New Jersey
ACCUTEST.
Laboratories

09/08/04

Technical Report for

ENSR Consulting & Engineering

Former Camp Butner, NC

09090-068

Accutest Job Number: N74914

Sampling Dates: 08/11/04 - 08/12/04

Report to:

ENSR Consulting & Engineering
2 Technology Park Drive
Westford, MA 01886

ATTN: Debbie McGrath

Total number of pages in report: 2283

Volume: 3 of 4

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, MA, MD, NC, PA, RI, SC, VA

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METALS

ACCUTEST.

Metals Analysis Case Narrative/Conformance/Non-Conformance Summary

	NO	YES
1. Method blank levels below reporting limits?		✓
If not, list elements above reporting limits:		
2. Spike blank or lab control data within acceptable limits?		✓
If no, list elements outside of acceptable limits. Refer to QC summary for additional comments:		
3. Matrix Spike data within acceptable limits?		✓
If no, list elements outside of acceptable limits. Refer to QC summary for additional comments:		
4. Matrix duplicate data within acceptable limits?		✓
If no, list elements outside of acceptable limits. Refer to QC summary for additional comments:		
5. Serial dilution data within acceptable limits?	K, Ba ✓	all others ✓
If no, list elements outside of acceptable limits. Refer to QC summary for additional comments:		
Potassium, Barium		
6. Samples digested and analyzed within holding time?		✓
If holding times were not met, list elements where holding times were exceeded and explain:		
7. All analytical criteria met (High Standard, CRI, ICV, ICB, CCV, CCB, ICSA, ICSAB, SIC1, SIC2, SIC3, and Post-spike for GFAA)?		✓
If not met, list affected samples and elements:		

Additional Comments:

QC Review Signature: Mary Hem **Date:** 9/6/04

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14285 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	5000	5040	100.8	40000	40100	100.3	40000	40500	101.3
Antimony	1000	970	97.0	2000	1960	98.0	2000	2020	101.0
Arsenic	anr								
Barium	1000	981	98.1	2000	2000	100.0	2000	2020	101.0
Beryllium	anr								
Cadmium	1000	979	97.9	2000	1970	98.5	2000	2040	102.0
Calcium	5000	5050	101.0	40000	39400	98.5	40000	40600	101.5
Chromium	1000	959	95.9	2000	1980	99.0	2000	2040	102.0
Cobalt	1000	977	97.7	2000	1980	99.0	2000	2050	102.5
Copper	1000	965	96.5	2000	2000	100.0	2000	2020	101.0
Iron	5000	4850	97.0	40000	40100	100.3	40000	40800	102.0
Lead	1000	984	98.4	2000	1990	99.5	2000	2060	103.0
Magnesium	5000	4990	99.8	40000	40100	100.3	40000	40800	102.0
Manganese	1000	974	97.4	2000	1990	99.5	2000	2040	102.0
Molybdenum									
Nickel	1000	974	97.4	2000	1980	99.0	2000	2030	101.5
Palladium									
Potassium	5000	4900	98.0	40000	40400	101.0	40000	40800	102.0
Selenium	1000	981	98.1	2000	2000	100.0	2000	2050	102.5
Silicon									
Silver	500	504	100.8	250	249	99.6	250	253	101.2
Sodium	5000	4520	90.4*(a)	40000	40300	100.8	40000	40600	101.5
Thallium	anr								
Tin									
Vanadium	1000	956	95.6	2000	1980	99.0	2000	1990	99.5
Zinc	1000	985	98.5	2000	1970	98.5	2000	2050	102.5

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

1005

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14285 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40500	101.3	40000	40400	101.0	40000	41100	102.8
Antimony	2000	2020	101.0	2000	2000	100.0	2000	2050	102.5
Arsenic	anr								
Barium	2000	2020	101.0	2000	2010	100.5	2000	2040	102.0
Beryllium	anr								
Cadmium	2000	2050	102.5	2000	2000	100.0	2000	2050	102.5
Calcium	40000	41000	102.5	40000	39900	99.8	40000	40900	102.3
Chromium	2000	2040	102.0	2000	2010	100.5	2000	2050	102.5
Cobalt	2000	2050	102.5	2000	2010	100.5	2000	2060	103.0
Copper	2000	2020	101.0	2000	2010	100.5	2000	2050	102.5
Iron	40000	41000	102.5	40000	40500	101.3	40000	41200	103.0
Lead	2000	2050	102.5	2000	2010	100.5	2000	2050	102.5
Magnesium	40000	40900	102.3	40000	40600	101.5	40000	41300	103.3
Manganese	2000	2040	102.0	2000	2010	100.5	2000	2050	102.5
Molybdenum									
Nickel	2000	2030	101.5	2000	2000	100.0	2000	2050	102.5
Palladium									
Potassium	40000	40500	101.3	40000	40500	101.3	40000	41300	103.3
Selenium	2000	2050	102.5	2000	2030	101.5	2000	2040	102.0
Silicon									
Silver	250	252	100.8	250	251	100.4	250	255	102.0
Sodium	40000	40500	101.3	40000	40600	101.5	40000	41300	103.3
Thallium	anr								
Tin									
Vanadium	2000	2000	100.0	2000	1990	99.5	2000	2020	101.0
Zinc	2000	2060	103.0	2000	2010	100.5	2000	2060	103.0

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14285 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	41700	104.3	40000	41700	104.3	40000	41200	103.0
Antimony	2000	2100	105.0	2000	2080	104.0	2000	2070	103.5
Arsenic	anr								
Barium	2000	2060	103.0	2000	2060	103.0	2000	2030	101.5
Beryllium	anr								
Cadmium	2000	2090	104.5	2000	2060	103.0	2000	2040	102.0
Calcium	40000	41700	104.3	40000	41000	102.5	40000	40700	101.8
Chromium	2000	2090	104.5	2000	2060	103.0	2000	2040	102.0
Cobalt	2000	2100	105.0	2000	2070	103.5	2000	2050	102.5
Copper	2000	2080	104.0	2000	2090	104.5	2000	2060	103.0
Iron	40000	41800	104.5	40000	41500	103.8	40000	41000	102.5
Lead	2000	2100	105.0	2000	2090	104.5	2000	2060	103.0
Magnesium	40000	41800	104.5	40000	41600	104.0	40000	41000	102.5
Manganese	2000	2090	104.5	2000	2060	103.0	2000	2050	102.5
Molybdenum									
Nickel	2000	2080	104.0	2000	2060	103.0	2000	2030	101.5
Palladium									
Potassium	40000	41900	104.8	40000	42200	105.5	40000	42000	105.0
Selenium	2000	2090	104.5	2000	2090	104.5	2000	2050	102.5
Silicon									
Silver	250	259	103.6	250	259	103.6	250	256	102.4
Sodium	40000	42000	105.0	40000	42300	105.8	40000	41600	104.0
Thallium	anr								
Tin									
Vanadium	2000	2030	101.5	2000	2020	101.0	2000	1980	99.0
Zinc	2000	2100	105.0	2000	2050	102.5	2000	2030	101.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14285 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Aluminum	40000	42100	105.3
Antimony	2000	2120	106.0
Arsenic	anr		
Barium	2000	2080	104.0
Beryllium	anr		
Cadmium	2000	2090	104.5
Calcium	40000	41600	104.0
Chromium	2000	2080	104.0
Cobalt	2000	2100	105.0
Copper	2000	2110	105.5
Iron	40000	41800	104.5
Lead	2000	2100	105.0
Magnesium	40000	41900	104.8
Manganese	2000	2090	104.5
Molybdenum			
Nickel	2000	2080	104.0
Palladium			
Potassium	40000	43100	107.8
Selenium	2000	2090	104.5
Silicon			
Silver	250	261	104.4
Sodium	40000	42600	106.5
Thallium	anr		
Tin			
Vanadium	2000	2020	101.0
Zinc	2000	2070	103.5

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: 90 to 110 % Recovery Run ID: MA14290 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	125	125	100.0	130	130	104.0	125	132	105.6
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lithium									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	125	124	99.2	125	127	101.6	125	128	102.4
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: 90 to 110 % Recovery Run ID: MA14290 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	125	129	103.2	125	133	106.4	125	133	106.4
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lithium									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	125	122	97.6	125	121	96.8	125	121	96.8
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

1010

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: 90 to 110 % Recovery Run ID: MA14290 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	125	133	106.4	125	134	107.2	125	134	107.2
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lithium									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	125	123	98.4	125	123	98.4	125	124	99.2
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
QC Limits: 90 to 110 % Recovery Run ID: MA14300 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	125	125	100.0	125	126	100.8	125	121	96.8
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lithium									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	125	121	96.8	125	122	97.6	125	122	97.6
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
QC Limits: 90 to 110 % Recovery Run ID: MA14300 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	125	127	101.6	125	128	102.4	130	130	104.0
Boron									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lithium									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Palladium									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	125	124	99.2	125	124	99.2	125	122	97.6
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14302 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	5000	5090	101.8	40000	39800	99.5	40000	40200	100.5
Antimony	1000	1010	101.0	2000	1970	98.5	2000	1980	99.0
Arsenic	1000	999	99.9	2000	1990	99.5	2000	1990	99.5
Barium	1000	1010	101.0	2000	2000	100.0	2000	2030	101.5
Beryllium	anr								
Cadmium	1000	994	99.4	2000	1960	98.0	2000	1950	97.5
Calcium	5000	5060	101.2	40000	39500	98.8	40000	39300	98.3
Chromium	1000	980	98.0	2000	1980	99.0	2000	1980	99.0
Cobalt	1000	993	99.3	2000	1970	98.5	2000	1960	98.0
Copper	1000	997	99.7	2000	1990	99.5	2000	2010	100.5
Iron	5000	4950	99.0	40000	40200	100.5	40000	40300	100.8
Lead	1000	985	98.5	2000	1960	98.0	2000	1950	97.5
Magnesium	5000	5080	101.6	40000	40100	100.3	40000	40300	100.8
Manganese	1000	997	99.7	2000	1980	99.0	2000	1980	99.0
Molybdenum	anr								
Nickel	1000	994	99.4	2000	1980	99.0	2000	1970	98.5
Palladium									
Potassium	5000	4920	98.4	40000	40000	100.0	40000	40400	101.0
Selenium	1000	988	98.8	2000	1970	98.5	2000	1970	98.5
Silicon	anr								
Silver	500	499	99.8	250	252	100.8	250	253	101.2
Sodium	5000	4840	96.8	40000	40100	100.3	40000	40600	101.5
Thallium	anr								
Tin									
Vanadium	1000	996	99.6	2000	2000	100.0	2000	2010	100.5
Zinc	1000	996	99.6	2000	1960	98.0	2000	1940	97.0

(*) Outside of QC limits
(anr) Analyte not requested

1014

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14302 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40700	101.8	40000	39700	99.3	40000	40300	100.8
Antimony	2000	1990	99.5	2000	1950	97.5	2000	1980	99.0
Arsenic	2000	2020	101.0	2000	1970	98.5	2000	2000	100.0
Barium	2000	2050	102.5	2000	2000	100.0	2000	2040	102.0
Beryllium	anr								
Cadmium	2000	1970	98.5	2000	1910	95.5	2000	1950	97.5
Calcium	40000	39800	99.5	40000	38800	97.0	40000	39400	98.5
Chromium	2000	2000	100.0	2000	1950	97.5	2000	1980	99.0
Cobalt	2000	1970	98.5	2000	1920	96.0	2000	1960	98.0
Copper	2000	2030	101.5	2000	1970	98.5	2000	2010	100.5
Iron	40000	41000	102.5	40000	39900	99.8	40000	40500	101.3
Lead	2000	1990	99.5	2000	1910	95.5	2000	1940	97.0
Magnesium	40000	40800	102.0	40000	39900	99.8	40000	40500	101.3
Manganese	2000	2000	100.0	2000	1950	97.5	2000	1990	99.5
Molybdenum	anr								
Nickel	2000	2000	100.0	2000	1940	97.0	2000	1970	98.5
Palladium									
Potassium	40000	40700	101.8	40000	39700	99.3	40000	40400	101.0
Selenium	2000	2010	100.5	2000	1930	96.5	2000	1970	98.5
Silicon	anr								
Silver	250	256	102.4	250	249	99.6	250	253	101.2
Sodium	40000	41000	102.5	40000	39900	99.8	40000	40600	101.5
Thallium	anr								
Tin									
Vanadium	2000	2040	102.0	2000	2000	100.0	2000	2030	101.5
Zinc	2000	1970	98.5	2000	1920	96.0	2000	1960	98.0

(*) Outside of QC limits
(anr) Analyte not requested

1015

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14302 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40300	100.8	40000	40700	101.8	40000	40500	101.3
Antimony	2000	1990	99.5	2000	2010	100.5	2000	2000	100.0
Arsenic	2000	2010	100.5	2000	2020	101.0	2000	2010	100.5
Barium	2000	2050	102.5	2000	2070	103.5	2000	2050	102.5
Beryllium	anr								
Cadmium	2000	1960	98.0	2000	1970	98.5	2000	1960	98.0
Calcium	40000	39700	99.3	40000	40100	100.3	40000	39900	99.8
Chromium	2000	1990	99.5	2000	2010	100.5	2000	2000	100.0
Cobalt	2000	1970	98.5	2000	1990	99.5	2000	1980	99.0
Copper	2000	2010	100.5	2000	2030	101.5	2000	2020	101.0
Iron	40000	40700	101.8	40000	41100	102.8	40000	40800	102.0
Lead	2000	1950	97.5	2000	1970	98.5	2000	1960	98.0
Magnesium	40000	40700	101.8	40000	41000	102.5	40000	40900	102.3
Manganese	2000	2000	100.0	2000	2020	101.0	2000	2010	100.5
Molybdenum									
Nickel	2000	1990	99.5	2000	2010	100.5	2000	1990	99.5
Palladium									
Potassium	40000	40300	100.8	40000	40800	102.0	40000	40400	101.0
Selenium	2000	1980	99.0	2000	2000	100.0	2000	1990	99.5
Silicon	anr								
Silver	250	254	101.6	250	256	102.4	250	255	102.0
Sodium	40000	40600	101.5	40000	41100	102.8	40000	40800	102.0
Thallium	anr								
Tin									
Vanadium	2000	2030	101.5	2000	2060	103.0	2000	2040	102.0
Zinc	2000	1980	99.0	2000	2000	100.0	2000	1990	99.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14302 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	41400	103.5	40000	41100	102.8	40000	41500	103.8
Antimony	2000	2090	104.5	2000	2070	103.5	2000	2080	104.0
Arsenic	2000	2050	102.5	2000	2030	101.5	2000	2030	101.5
Barium	2000	2070	103.5	2000	2060	103.0	2000	2090	104.5
Beryllium	anr								
Cadmium	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Calcium	40000	41400	103.5	40000	40800	102.0	40000	40700	101.8
Chromium	2000	2060	103.0	2000	2040	102.0	2000	2050	102.5
Cobalt	2000	2080	104.0	2000	2060	103.0	2000	2060	103.0
Copper	2000	2080	104.0	2000	2070	103.5	2000	2090	104.5
Iron	40000	41500	103.8	40000	41000	102.5	40000	41300	103.3
Lead	2000	2050	102.5	2000	2020	101.0	2000	2020	101.0
Magnesium	40000	41500	103.8	40000	41100	102.8	40000	41400	103.5
Manganese	2000	2080	104.0	2000	2060	103.0	2000	2070	103.5
Molybdenum									
Nickel	2000	2050	102.5	2000	2030	101.5	2000	2030	101.5
Palladium									
Potassium	40000	41700	104.3	40000	41800	104.5	40000	42500	106.3
Selenium	2000	2050	102.5	2000	2010	100.5	2000	2030	101.5
Silicon	anr								
Silver	250	262	104.8	250	261	104.4	250	263	105.2
Sodium	40000	41900	104.8	40000	41900	104.8	40000	42000	105.0
Thallium	anr								
Tin									
Vanadium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Zinc	2000	2070	103.5	2000	2030	101.5	2000	2020	101.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14302 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	42000	105.0	40000	41900	104.8	40000	42500	106.3
Antimony	2000	2090	104.5	2000	2090	104.5	2000	2120	106.0
Arsenic	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0
Barium	2000	2120	106.0	2000	2110	105.5	2000	2140	107.0
Beryllium	anr								
Cadmium	2000	2000	100.0	2000	2040	102.0	2000	2060	103.0
Calcium	40000	40700	101.8	40000	41300	103.3	40000	41900	104.8
Chromium	2000	2040	102.0	2000	2070	103.5	2000	2100	105.0
Cobalt	2000	2060	103.0	2000	2070	103.5	2000	2100	105.0
Copper	2000	2120	106.0	2000	2090	104.5	2000	2130	106.5
Iron	40000	41200	103.0	40000	42200	105.5	40000	42600	106.5
Lead	2000	2020	101.0	2000	2040	102.0	2000	2060	103.0
Magnesium	40000	41400	103.5	40000	42000	105.0	40000	42500	106.3
Manganese	2000	2070	103.5	2000	2090	104.5	2000	2120	106.0
Molybdenum									
Nickel	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0
Palladium									
Potassium	40000	43200	108.0	40000	42200	105.5	40000	43100	107.8
Selenium	2000	2020	101.0	2000	2050	102.5	2000	2060	103.0
Silicon	anr								
Silver	250	266	106.4	250	264	105.6	250	268	107.2
Sodium	40000	43000	107.5	40000	42500	106.3	40000	43200	108.0
Thallium	anr								
Tin									
Vanadium	2000	2030	101.5	2000	2080	104.0	2000	2090	104.5
Zinc	2000	2000	100.0	2000	2050	102.5	2000	2070	103.5

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14302 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	42100	105.3	40000	42000	105.0
Antimony	2000	2080	104.0	2000	2090	104.5
Arsenic	2000	2040	102.0	2000	2050	102.5
Barium	2000	2120	106.0	2000	2130	106.5
Beryllium	anr					
Cadmium	2000	2010	100.5	2000	2020	101.0
Calcium	40000	40900	102.3	40000	40900	102.3
Chromium	2000	2050	102.5	2000	2060	103.0
Cobalt	2000	2040	102.0	2000	2050	102.5
Copper	2000	2100	105.0	2000	2110	105.5
Iron	40000	41900	104.8	40000	41900	104.8
Lead	2000	2020	101.0	2000	2030	101.5
Magnesium	40000	41800	104.5	40000	41900	104.8
Manganese	2000	2070	103.5	2000	2080	104.0
Molybdenum						
Nickel	2000	2040	102.0	2000	2050	102.5
Palladium						
Potassium	40000	42600	106.5	40000	42600	106.5
Selenium	2000	2030	101.5	2000	2050	102.5
Silicon	anr					
Silver	250	264	105.6	250	265	106.0
Sodium	40000	42600	106.5	40000	42700	106.8
Thallium	anr					
Tin						
Vanadium	2000	2070	103.5	2000	2080	104.0
Zinc	2000	2010	100.5	2000	2020	101.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14306 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	5000	5090	101.8	40000	39000	97.5	40000	39100	97.8
Antimony	1000	1010	101.0	2000	2020	101.0	2000	2020	101.0
Arsenic	1000	1010	101.0	2000	2020	101.0	2000	2020	101.0
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14306 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	39500	98.8	40000	39500	98.8	40000	39600	99.0
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2040	102.0	2000	2040	102.0	2000	2040	102.0
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14306 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	39400	98.5	40000	39500	98.8	40000	39700	99.3
Antimony	2000	2040	102.0	2000	2030	101.5	2000	2040	102.0
Arsenic	2000	2050	102.5	2000	2050	102.5	2000	2050	102.5
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Magnesium	anr								
Manganese	anr								
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Vanadium	anr								
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14306 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	39700	99.3	40000	40100	100.3
Antimony	2000	2040	102.0	2000	2060	103.0
Arsenic	2000	2030	101.5	2000	2040	102.0
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Magnesium	anr					
Manganese	anr					
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Thallium	anr					
Vanadium	anr					
Zinc	anr					

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14307 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	5000	5090	101.8	40000	38500	96.3	40000	37500	93.8*(a)
Antimony	1000	988	98.8	2000	1960	98.0	2000	1900	95.0
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14307 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	38500	96.3	40000	39000	97.5	40000	38400	96.0
Antimony	2000	1970	98.5	2000	1990	99.5	2000	1970	98.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14307 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	39100	97.8	40000	39700	99.3	40000	40100	100.3
Antimony	2000	1990	99.5	2000	2010	100.5	2000	2000	100.0
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14307 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Aluminum	40000	40600	101.5	40000	38800	97.0	40000	39100	97.8
Antimony	2000	2060	103.0	2000	1960	98.0	2000	1970	98.5
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium									
Selenium	anr								
Silicon									
Silver	anr								
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14307 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Aluminum	40000	40500	101.3
Antimony	2000	2000	100.0
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron			
Lead	anr		
Magnesium			
Manganese			
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium			
Selenium	anr		
Silicon			
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10816W1.PRN Date Analyzed: 08/16/04 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA14287 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Mercury	3	3.1	103.3	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10816W1.PRN Date Analyzed: 08/16/04 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA14287 Units: ug/l

Metal	CCV True	CCV Results	% Rec
Mercury	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10819W1.PRN Date Analyzed: 08/19/04 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA14311 Units: ug/l

Metal	ICV True	ICV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Mercury	3.0	3.0	100.0	2.5	2.5	100.0	2.5	2.4	96.0

(*) Outside of QC limits
(anr) Analyte not requested

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CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10819W1.PRN Date Analyzed: 08/19/04 Methods: EPA 245.1, SW846 7470A
QC Limits: 90 to 110 % Recovery Run ID: MA14311 Units: ug/l

Metal	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec	CCV True	CCV Results	% Rec
Mercury	2.5	2.5	100.0	2.5	2.5	100.0	2.5	2.5	100.0

(*) Outside of QC limits
(anr) Analyte not requested

1032

INITIAL LOW CALIBRATION CHECK STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA14285 Units: ug/l

Metal	CRIB True	CRIB Results	% Rec	CRIB Results	% Rec	CRIB Results	% Rec
Aluminum	400	390	97.5	384	96.0	378	94.5
Antimony	10	8.3	83.0	8.0	80.0	5.6	56.0
Arsenic	10						
Barium	400	403	100.8	405	101.3	416	104.0
Beryllium	10						
Cadmium	8.0	9.4	117.5	8.6	107.5	8.7	108.8
Calcium	5000	5090	101.8	5100	102.0	5270	105.4
Chromium	20	20.9	104.5	21.3	106.5	21.2	106.0
Cobalt	100	105	105.0	105	105.0	108	108.0
Copper	50	51.9	103.8	52.4	104.8	55.3	110.6
Iron	200	209	104.5	179	89.5	190	95.0
Lead	6.0	8.2	136.7	6.4	106.7	6.4	106.7
Magnesium	5000	5060	101.2	5070	101.4	5180	103.6
Manganese	30	31.7	105.7	30.9	103.0	31.9	106.3
Molybdenum	20						
Nickel	80	82.8	103.5	83.8	104.8	84.9	106.1
Palladium	100						
Potassium	5000	4900	98.0	4900	98.0	5280	105.6
Selenium	10	9.1	91.0	10.3	103.0	11.7	117.0
Silicon	400						
Silver	20	19.6	98.0	19.8	99.0	20.5	102.5
Sodium	5000	4730	94.6	4730	94.6	5310	106.2
Thallium	20						
Tin	20						
Vanadium	100	102	102.0	102	102.0	102	102.0
Zinc	40	43.4	108.5	42.9	107.3	43.5	108.8

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: 50 to 150 % Recovery Run ID: MA14290 Units: ug/l

Metal	CRI True	CRIA True	CRI Results	% Rec
Aluminum	25	25		
Antimony	1.0	1.0		
Arsenic	1.0	1.0		
Barium	1.0	1.0		
Beryllium	0.50	0.50	0.53	106.0
Boron	5.0	5.0		
Cadmium	1.0	1.0		
Calcium	250	250		
Chromium	5.0	1.0		
Cobalt	1.0	1.0		
Copper	5.0	5.0		
Iron	25	25		
Lithium	1.0	1.0		
Lead	1.0	1.0		
Magnesium	250	250		
Manganese	1.0	1.0		
Mercury	1.0	1.0		
Molybdenum	1.0	1.0		
Nickel	5.0	5.0		
Palladium	1.0	1.0		
Potassium	250	250		
Selenium	1.0	1.0		
Silver	1.0	1.0		
Sodium	250	250		
Strontium	1.0	1.0		
Thallium	0.50	0.50	0.72	144.0
Tin	1.0	1.0		
Titanium	1.0	1.0		
Uranium	1.0	1.0		
Vanadium	5.0	1.0		
Zinc	5.0	5.0		

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
QC Limits: 50 to 150 % Recovery Run ID: MA14300 Units: ug/l

Metal	CRI True	CRIA True	CRI Results	% Rec
Aluminum	25	25		
Antimony	1.0	1.0		
Arsenic	1.0	1.0		
Barium	1.0	1.0		
Beryllium	0.50	1.0	0.49	98.0
Boron	5.0	5.0		
Cadmium	1.0	1.0		
Calcium	250	250		
Chromium	5.0	1.0		
Cobalt	1.0	1.0		
Copper	5.0	5.0		
Iron	25	25		
Lithium	1.0	1.0		
Lead	1.0	1.0		
Magnesium	250	250		
Manganese	1.0	1.0		
Mercury	1.0	1.0		
Molybdenum	1.0	1.0		
Nickel	5.0	5.0		
Palladium	1.0	1.0		
Potassium	250	250		
Selenium	1.0	1.0		
Silver	1.0	1.0		
Sodium	250	250		
Strontium	1.0	1.0		
Thallium	0.50	1.0	0.54	108.0
Tin	1.0	1.0		
Titanium	1.0	1.0		
Uranium	1.0	1.0		
Vanadium	5.0	1.0		
Zinc	5.0	5.0		

(*) Outside of QC limits
(anr) Analyte not requested

INITIAL LOW CALIBRATION CHECK STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA14302 Units: ug/l

Metal	CRIB True	CRIB Results	% Rec	CRIB Results	% Rec	CRIB Results	% Rec	CRIB Results	% Rec
Aluminum	400	406	101.5	408	102.0	386	96.5	400	100.0
Antimony	10	11.9	119.0	12.0	120.0	14.1	141.0	11.1	111.0
Arsenic	10	11.6	116.0	6.9	69.0	6.7	67.0	5.8	58.0
Barium	400	410	102.5	412	103.0	412	103.0	415	103.8
Beryllium	10								
Cadmium	8.0	9.5	118.8	7.6	95.0	8.8	110.0	8.1	101.3
Calcium	5000	5110	102.2	5010	100.2	5090	101.8	5060	101.2
Chromium	20	21.8	109.0	19.5	97.5	21.5	107.5	19.8	99.0
Cobalt	100	105	105.0	101	101.0	106	106.0	103	103.0
Copper	50	52.0	104.0	50.5	101.0	53.8	107.6	52.1	104.2
Iron	200	203	101.5	211	105.5	192	96.0	199	99.5
Lead	6.0	5.0	83.3	4.6	76.7	6.5	108.3	5.4	90.0
Magnesium	5000	5120	102.4	5070	101.4	5070	101.4	5110	102.2
Manganese	30	32.4	108.0	30.6	102.0	31.2	104.0	31.0	103.3
Molybdenum	20								
Nickel	80	82.9	103.6	81.0	101.3	81.8	102.3	81.9	102.4
Palladium	100								
Potassium	5000	4980	99.6	4970	99.4	5160	103.2	5110	102.2
Selenium	10	9.9	99.0	12.3	123.0	13.3	133.0	11.6	116.0
Silicon	400								
Silver	20	19.9	99.5	18.9	94.5	21.1	105.5	20.3	101.5
Sodium	5000	4990	99.8	4910	98.2	5330	106.6	5060	101.2
Thallium	20								
Tin	20								
Vanadium	100	104	104.0	102	102.0	99.6	99.6	102	102.0
Zinc	40	43.7	109.3	40.8	102.0	42.4	106.0	40.9	102.3

(*) Outside of QC limits
(anr) Analyte not requested

INITIAL LOW CALIBRATION CHECK STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA14306 Units: ug/l

Metal	CRIB True	CRIB Results	% Rec	CRIB Results	% Rec	CRIB Results	% Rec
Aluminum	400	413	103.3	396	99.0	345	86.3
Antimony	10	11.8	118.0	13.7	137.0	13.2	132.0
Arsenic	10	11.8	118.0	12.7	127.0	11.6	116.0
Barium	400						
Beryllium	10						
Cadmium	8.0						
Calcium	5000						
Chromium	20						
Cobalt	100						
Copper	50						
Iron	200						
Lead	6.0						
Magnesium	5000						
Manganese	30						
Nickel	80						
Potassium	5000						
Selenium	10						
Silver	20						
Sodium	5000						
Thallium	20						
Vanadium	100						
Zinc	40						

(*) Outside of QC limits
(anr) Analyte not requested

INITIAL LOW CALIBRATION CHECK STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 50 to 150 % Recovery Run ID: MA14307 Units: ug/l

Metal	CRIB True	CRIB Results	% Rec	CRIB Results	% Rec	CRIB Results	% Rec
Aluminum	400	408	102.0	402	100.5	400	100.0
Antimony	10	13.6	136.0	13.2	132.0	12.8	128.0
Arsenic	10						
Barium	400						
Beryllium	10						
Boron	200						
Cadmium	8.0						
Calcium	5000						
Chromium	20						
Cobalt	100						
Copper	50						
Iron	200						
Lead	6.0						
Magnesium	5000						
Manganese	30						
Molybdenum	20						
Nickel	80						
Palladium	100						
Potassium	5000						
Selenium	10						
Silicon	400						
Silver	20						
Sodium	5000						
Strontium	20						
Thallium	20						
Tin	20						
Titanium	20						
Vanadium	100						
Zinc	40						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10816W1.PRN Date Analyzed: 08/16/04 Methods: EPA 245.1, SW846 7470A
QC Limits: 50 to 150 % Recovery Run ID: MA14287 Units: ug/l

Metal	CRI True	CRIA True	CRI Results	% Rec
Mercury	0.20		0.21	105.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10819W1.PRN Date Analyzed: 08/19/04 Methods: EPA 245.1, SW846 7470A
QC Limits: 50 to 150 % Recovery Run ID: MA14311 Units: ug/l

Metal	CRI True	CRIA True	CRI Results	% Rec
Mercury	0.20		0.22	110.0

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14285 Units: ug/l

Metal	HSTD True	HSTD Results	% Rec
Aluminum	80000	82400	103.0
Antimony	4000	3990	99.8
Arsenic	anr		
Barium	4000	4060	101.5
Beryllium	anr		
Cadmium	4000	3980	99.5
Calcium	80000	80400	100.5
Chromium	4000	4000	100.0
Cobalt	4000	3990	99.8
Copper	4000	4070	101.8
Iron	80000	82300	102.9
Lead	4000	4030	100.8
Magnesium	80000	81800	102.3
Manganese	4000	4000	100.0
Molybdenum			
Nickel	4000	4000	100.0
Palladium			
Potassium	80000	80700	100.9
Selenium	4000	4040	101.0
Silicon			
Silver	500	506	101.2
Sodium	80000	83100	103.9
Thallium	anr		
Tin			
Vanadium	4000	4010	100.3
Zinc	4000	3970	99.3

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC
QC Limits: 95 to 105 % Recovery

Date Analyzed: 08/17/04
Run ID: MA14302

Methods: EPA 200.7, SW846 6010B
Units: ug/l

Metal	HSTD True	HSTD Results	% Rec
Aluminum	80000	81200	101.5
Antimony	4000	4000	100.0
Arsenic	4000	4000	100.0
Barium	4000	4030	100.8
Beryllium	anr		
Cadmium	4000	3920	98.0
Calcium	80000	79400	99.3
Chromium	4000	3950	98.8
Cobalt	4000	3940	98.5
Copper	4000	4030	100.8
Iron	80000	81400	101.8
Lead	4000	3920	98.0
Magnesium	80000	80600	100.8
Manganese	4000	3950	98.8
Molybdenum	anr		
Nickel	4000	3950	98.8
Palladium			
Potassium	80000	80000	100.0
Selenium	4000	3940	98.5
Silicon	anr		
Silver	500	510	102.0
Sodium	80000	82300	102.9
Thallium	anr		
Tin			
Vanadium	4000	3980	99.5
Zinc	4000	3900	97.5

(*) Outside of QC limits
(anr) Analyte not requested

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HIGH STANDARD CHECK SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14306 Units: ug/l

Metal	HSTD True	HSTD Results	% Rec	HSTD True	HSTD Results	% Rec
Aluminum				80000	79500	99.4
Antimony				4000	4060	101.5
Arsenic				4000	4060	101.5
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Vanadium						
Zinc						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 95 to 105 % Recovery Run ID: MA14307 Units: ug/l

Metal	HSTD True	HSTD Results	% Rec
Aluminum	80000	78600	98.3
Antimony	4000	3970	99.3
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron			
Lead	anr		
Magnesium			
Manganese			
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium			
Selenium	anr		
Silicon			
Silver	anr		
Sodium			
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14285 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	9.9	-23	<200	-14	<200	6.8	<200	-19	<200
Antimony	5.0	3.2	0.98	<5.0	-0.78	<5.0	1.0	<5.0	1.3	<5.0
Arsenic	5.0	2.6	anr							
Barium	200	.4	0.44	<200	0.94	<200	0.97	<200	0.86	<200
Beryllium	5.0	.1	anr							
Cadmium	4.0	.3	0.96	<4.0	0.95	<4.0	0.63	<4.0	0.53	<4.0
Calcium	5000	9.1	-27	<5000	-18	<5000	17.1	<5000	137	<5000
Chromium	10	.8	0.39	<10	0.57	<10	0.74	<10	0.44	<10
Cobalt	50	.9	0.76	<50	0.93	<50	0.85	<50	1.0	<50
Copper	25	.9	0.84	<25	1.1	<25	2.1	<25	1.1	<25
Iron	100	18	2.5	<100	12.6	<100	17.7	<100	1.9	<100
Lead	3.0	1.4	-0.28	<3.0	1.5	<3.0	0.39	<3.0	1.8	<3.0
Magnesium	5000	8.7	-9.7	<5000	1.0	<5000	39.5	<5000	0.76	<5000
Manganese	15	.2	0.11	<15	0.51	<15	0.30	<15	0.48	<15
Molybdenum	10									
Nickel	40	1.1	1.1	<40	1.7	<40	1.2	<40	2.4	<40
Palladium	50	2.7								
Potassium	5000	12	-290	<5000	-280	<5000	-250	<5000	-310	<5000
Selenium	5.0	1.8	-0.37	<5.0	-0.79	<5.0	0.34	<5.0	1.1	<5.0
Silicon	200	7.7								
Silver	10	.7	0.33	<10	-0.030	<10	0.28	<10	-0.30	<10
Sodium	5000	170	-250	<5000	-200	<5000	-150	<5000	-320	<5000
Thallium	10	4.5	anr							
Tin	10	2.3								
Vanadium	50	1	0.22	<50	0.89	<50	0.41	<50	0.16	<50
Zinc	20	.9	0.52	<20	0.41	<20	0.71	<20	0.41	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14285 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	9.9	44.2	<200*(a)	-15	<200	-18	<200	-22	<200
Antimony	5.0	3.2	0.39	<5.0	5.4	* (a)	1.4	<5.0	0.18	<5.0
Arsenic	5.0	2.6	anr							
Barium	200	.4	0.67	<200	1.1	<200	0.70	<200	1.3	<200
Beryllium	5.0	.1	anr							
Cadmium	4.0	.3	0.91	<4.0	1.3	<4.0*(a)	0.70	<4.0	0.66	<4.0
Calcium	5000	9.1	50.4	<5000	-8.8	<5000	-29	<5000	-12	<5000
Chromium	10	.8	0.20	<10	1.2	<10	-0.20	<10	0.18	<10
Cobalt	50	.9	0.77	<50	2.5	<50	0.99	<50	1.2	<50
Copper	25	.9	1.1	<25	2.3	<25	0.92	<25	2.5	<25
Iron	100	18	38.5	<100	21.7	<100	-0.23	<100	16.7	<100
Lead	3.0	1.4	0.89	<3.0	2.3	<3.0	1.4	<3.0	0.27	<3.0
Magnesium	5000	8.7	57.6	<5000	1.6	<5000	-15	<5000	-9.0	<5000
Manganese	15	.2	0.21	<15	0.64	<15	0.21	<15	0.50	<15
Molybdenum	10									
Nickel	40	1.1	0.88	<40	2.6	<40	0.59	<40	1.7	<40
Palladium	50	2.7								
Potassium	5000	12	-280	<5000	-260	<5000	-310	<5000	-240	<5000
Selenium	5.0	1.8	0.57	<5.0	0.63	<5.0	-1.0	<5.0	1.4	<5.0
Silicon	200	7.7								
Silver	10	.7	-0.010	<10	0.86	<10	-0.12	<10	0.0	<10
Sodium	5000	170	-400	<5000	-74	<5000	-280	<5000	-320	<5000
Thallium	10	4.5	anr							
Tin	10	2.3								
Vanadium	50	1	0.35	<50	0.79	<50	0.91	<50	0.90	<50
Zinc	20	.9	0.60	<20	1.4	<20	0.030	<20	1.5	<20

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14285 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final
Aluminum	200	9.9	-35	<200*(a)	38.7	<200*(b)
Antimony	5.0	3.2	-3.3	<5.0	1.3	<5.0
Arsenic	5.0	2.6	anr			
Barium	200	.4	1.1	<200	1.5	<200
Beryllium	5.0	.1	anr			
Cadmium	4.0	.3	0.79	<4.0	0.95	<4.0
Calcium	5000	9.1	-18	<5000	64.7	<5000
Chromium	10	.8	0.10	<10	0.60	<10
Cobalt	50	.9	0.63	<50	1.2	<50
Copper	25	.9	1.6	<25	2.6	<25
Iron	100	18	7.9	<100	38.8	<100
Lead	3.0	1.4	-0.78	<3.0	0.42	<3.0
Magnesium	5000	8.7	-13	<5000	66.9	<5000
Manganese	15	.2	0.21	<15	0.33	<15
Molybdenum	10					
Nickel	40	1.1	1.0	<40	2.6	<40
Palladium	50	2.7				
Potassium	5000	12	-270	<5000	-190	<5000
Selenium	5.0	1.8	1.4	<5.0	-0.20	<5.0
Silicon	200	7.7				
Silver	10	.7	0.20	<10	0.56	<10
Sodium	5000	170	-290	<5000	-290	<5000
Thallium	10	4.5	anr			
Tin	10	2.3				
Vanadium	50	1	0.18	<50	0.51	<50
Zinc	20	.9	0.62	<20	1.4	<20

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.
(b) All samples reported < RDL.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: result < RL Run ID: MA14290 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	50	2.9								
Antimony	2.0	.1								
Arsenic	2.0	.57								
Barium	1.0	.051								
Beryllium	1.0	.035	0.027	<1.0	0.056	<1.0	0.057	<1.0	0.030	<1.0
Boron	5.0	.7								
Cadmium	1.0	.088								
Calcium	250	25								
Chromium	5.0	.12								
Cobalt	1.0	.029								
Copper	5.0	1.2								
Iron	50	2.8								
Lithium	1.0									
Lead	0.50	.081								
Magnesium	250	3.8								
Manganese	1.0	.2								
Mercury	0.20									
Molybdenum	1.0	.15								
Nickel	5.0	.26								
Palladium	1.0									
Potassium	250	22								
Selenium	5.0	.94								
Silver	5.0	.18								
Sodium	250	28								
Strontium	1.0	.11								
Thallium	0.50	.054	0.17	<0.50	0.40	<0.50	0.47	<0.50	0.38	<0.50
Tin	5.0	.035								
Titanium	1.0	.13								
Uranium	1.0									
Vanadium	5.0	1.1								
Zinc	5.0	3.8								

(*) Outside of QC limits
(anr) Analyte not requested

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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: result < RL Run ID: MA14290 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	50	2.9								
Antimony	2.0	.1								
Arsenic	2.0	.57								
Barium	1.0	.051								
Beryllium	1.0	.035	0.033	<1.0	0.045	<1.0	0.069	<1.0	0.055	<1.0
Boron	5.0	.7								
Cadmium	1.0	.088								
Calcium	250	25								
Chromium	5.0	.12								
Cobalt	1.0	.029								
Copper	5.0	1.2								
Iron	50	2.8								
Lithium	1.0									
Lead	0.50	.081								
Magnesium	250	3.8								
Manganese	1.0	.2								
Mercury	0.20									
Molybdenum	1.0	.15								
Nickel	5.0	.26								
Palladium	1.0									
Potassium	250	22								
Selenium	5.0	.94								
Silver	5.0	.18								
Sodium	250	28								
Strontium	1.0	.11								
Thallium	0.50	.054	0.25	<0.50	0.33	<0.50	0.44	<0.50	0.36	<0.50
Tin	5.0	.035								
Titanium	1.0	.13								
Uranium	1.0									
Vanadium	5.0	1.1								
Zinc	5.0	3.8								

(*) Outside of QC limits
(anr) Analyte not requested

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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: result < RL Run ID: MA14290 Units: ug/l

Metal	RL	IDL	CCB raw	final
Aluminum	50	2.9		
Antimony	2.0	.1		
Arsenic	2.0	.57		
Barium	1.0	.051		
Beryllium	1.0	.035	0.051	<1.0
Boron	5.0	.7		
Cadmium	1.0	.088		
Calcium	250	25		
Chromium	5.0	.12		
Cobalt	1.0	.029		
Copper	5.0	1.2		
Iron	50	2.8		
Lithium	1.0			
Lead	0.50	.081		
Magnesium	250	3.8		
Manganese	1.0	.2		
Mercury	0.20			
Molybdenum	1.0	.15		
Nickel	5.0	.26		
Palladium	1.0			
Potassium	250	22		
Selenium	5.0	.94		
Silver	5.0	.18		
Sodium	250	28		
Strontium	1.0	.11		
Thallium	0.50	.054	0.33	<0.50
Tin	5.0	.035		
Titanium	1.0	.13		
Uranium	1.0			
Vanadium	5.0	1.1		
Zinc	5.0	3.8		

(*) Outside of QC limits
(anr) Analyte not requested

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BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
QC Limits: result < RL Run ID: MA14300 Units: ug/l

Metal	RL	IDL	ICB raw	ICB final	CCB raw	CCB final	CCB raw	CCB final	CCB raw	CCB final
Aluminum	50	2.9								
Antimony	2.0	.1								
Arsenic	2.0	.57								
Barium	1.0	.051								
Beryllium	1.0	.035	0.095	<1.0	0.0070	<1.0	0.019	<1.0	0.025	<1.0
Boron	5.0	.7								
Cadmium	1.0	.088								
Calcium	250	25								
Chromium	5.0	.12								
Cobalt	1.0	.029								
Copper	5.0	1.2								
Iron	50	2.8								
Lithium	1.0									
Lead	0.50	.081								
Magnesium	250	3.8								
Manganese	1.0	.2								
Mercury	0.20									
Molybdenum	1.0	.15								
Nickel	5.0	.26								
Palladium	1.0									
Potassium	250	22								
Selenium	5.0	.94								
Silver	5.0	.18								
Sodium	250	28								
Strontium	1.0	.11								
Thallium	0.50	.054	0.41	<0.50	0.22	<0.50	0.22	<0.50	0.38	<0.50
Tin	5.0	.035								
Titanium	1.0	.13								
Uranium	1.0									
Vanadium	5.0	1.1								
Zinc	5.0	3.8								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
QC Limits: result < RL Run ID: MA14300 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final
Aluminum	50	2.9				
Antimony	2.0	.1				
Arsenic	2.0	.57				
Barium	1.0	.051				
Beryllium	1.0	.035	0.012	<1.0	0.0050	<1.0
Boron	5.0	.7				
Cadmium	1.0	.088				
Calcium	250	25				
Chromium	5.0	.12				
Cobalt	1.0	.029				
Copper	5.0	1.2				
Iron	50	2.8				
Lithium	1.0					
Lead	0.50	.081				
Magnesium	250	3.8				
Manganese	1.0	.2				
Mercury	0.20					
Molybdenum	1.0	.15				
Nickel	5.0	.26				
Palladium	1.0					
Potassium	250	22				
Selenium	5.0	.94				
Silver	5.0	.18				
Sodium	250	28				
Strontium	1.0	.11				
Thallium	0.50	.054	0.29	<0.50	0.24	<0.50
Tin	5.0	.035				
Titanium	1.0	.13				
Uranium	1.0					
Vanadium	5.0	1.1				
Zinc	5.0	3.8				

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14302 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	9.9	-14	<200	-0.12	<200	21.5	<200	13.1	<200
Antimony	5.0	3.2	1.3	<5.0	5.1	* (a)	1.5	<5.0	0.090	<5.0
Arsenic	5.0	2.6	-1.5	<5.0	2.4	<5.0	2.6	<5.0	1.1	<5.0
Barium	200	.4	0.42	<200	0.90	<200	0.42	<200	0.43	<200
Beryllium	5.0	.1	anr							
Cadmium	4.0	.3	0.36	<4.0	0.75	<4.0	0.66	<4.0	0.59	<4.0
Calcium	5000	9.1	-45	<5000	14.1	<5000	-15	<5000	-31	<5000
Chromium	10	.8	0.0	<10	0.33	<10	1.1	<10	0.67	<10
Cobalt	50	.9	-0.18	<50	0.30	<50	0.80	<50	0.48	<50
Copper	25	.9	-0.87	<25	-0.010	<25	-0.36	<25	-0.80	<25
Iron	100	18	15.6	<100	21.9	<100	22.7	<100	20.2	<100
Lead	3.0	1.4	-1.5	<3.0	-0.010	<3.0	0.38	<3.0	-0.17	<3.0
Magnesium	5000	8.7	-7.3	<5000	3.3	<5000	31.5	<5000	15.1	<5000
Manganese	15	.2	0.15	<15	0.45	<15	0.30	<15	0.32	<15
Molybdenum	10		anr							
Nickel	40	1.1	-0.53	<40	2.4	<40	-0.37	<40	0.99	<40
Palladium	50	2.7								
Potassium	5000	12	-320	<5000	-310	<5000	-320	<5000	-310	<5000
Selenium	5.0	1.8	2.2	<5.0	1.7	<5.0	1.6	<5.0	4.2	<5.0
Silicon	200	7.7	anr							
Silver	10	.7	-0.23	<10	-0.050	<10	-0.030	<10	0.12	<10
Sodium	5000	170	-190	<5000	-100	<5000	-100	<5000	-280	<5000
Thallium	10	4.5	anr							
Tin	10	2.3								
Vanadium	50	1	-0.41	<50	-0.87	<50	-0.46	<50	-0.45	<50
Zinc	20	.9	0.44	<20	4.6	<20* (a)	0.71	<20	0.56	<20

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14302 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final.	CCB raw	final
Aluminum	200	9.9	-5.1	<200	34.0	<200*(a)	38.3	<200*(a)	8.4	<200
Antimony	5.0	3.2	-2.8	<5.0	0.14	<5.0	-0.42	<5.0	-4.6	<5.0
Arsenic	5.0	2.6	-1.9	<5.0	0.80	<5.0	-3.7	<5.0	-1.5	<5.0
Barium	200	.4	0.30	<200	0.81	<200	0.37	<200	0.34	<200
Beryllium	5.0	.1	anr							
Cadmium	4.0	.3	0.34	<4.0	0.50	<4.0	0.36	<4.0	0.0	<4.0
Calcium	5000	9.1	-50	<5000	-13	<5000	-9.5	<5000	-41	<5000
Chromium	10	.8	-0.25	<10	0.15	<10	0.16	<10	-0.50	<10
Cobalt	50	.9	-0.40	<50	0.39	<50	0.39	<50	-0.67	<50
Copper	25	.9	-0.71	<25	0.080	<25	-0.61	<25	-0.57	<25
Iron	100	18	11.7	<100	32.8	<100	27.7	<100	18.3	<100
Lead	3.0	1.4	1.6	<3.0	-0.32	<3.0	-0.64	<3.0	-0.15	<3.0
Magnesium	5000	8.7	-0.40	<5000	36.6	<5000	36.4	<5000	-4.8	<5000
Manganese	15	.2	-0.050	<15	0.29	<15	0.0	<15	-0.040	<15
Molybdenum	10		anr							
Nickel	40	1.1	0.090	<40	-0.60	<40	-0.14	<40	-0.97	<40
Palladium	50	2.7								
Potassium	5000	12	-300	<5000	-270	<5000	-280	<5000	-290	<5000
Selenium	5.0	1.8	0.32	<5.0	2.4	<5.0	1.3	<5.0	2.6	<5.0
Silicon	200	7.7	anr							
Silver	10	.7	-0.25	<10	0.060	<10	-0.10	<10	-0.98	<10
Sodium	5000	170	-270	<5000	-280	<5000	-240	<5000	-410	<5000
Thallium	10	4.5	anr							
Tin	10	2.3								
Vanadium	50	1	-0.78	<50	-0.33	<50	0.25	<50	-1.4	<50
Zinc	20	.9	0.15	<20	0.15	<20	-0.050	<20	-0.44	<20

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14302 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	9.9	13.4	<200	-33	<200*(a)	-19	<200	66.0	<200*(b)
Antimony	5.0	3.2	3.1	<5.0	-0.67	<5.0	1.5	<5.0	-0.54	<5.0
Arsenic	5.0	2.6	2.2	<5.0	-3.6	<5.0	-1.4	<5.0	-3.9	<5.0
Barium	200	.4	0.93	<200	0.53	<200	1.5	<200	1.5	<200
Beryllium	5.0	.1	anr							
Cadmium	4.0	.3	0.40	<4.0	0.16	<4.0	0.70	<4.0	0.51	<4.0
Calcium	5000	9.1	-32	<5000	-46	<5000	-33	<5000	59.9	<5000
Chromium	10	.8	0.39	<10	-0.57	<10	0.63	<10	-0.13	<10
Cobalt	50	.9	0.92	<50	-0.24	<50	1.0	<50	-0.17	<50
Copper	25	.9	0.20	<25	0.95	<25	1.1	<25	0.63	<25
Iron	100	18	36.5	<100	16.3	<100	23.8	<100	46.1	<100
Lead	3.0	1.4	0.24	<3.0	-2.3	<3.0	0.76	<3.0	0.41	<3.0
Magnesium	5000	8.7	11.6	<5000	-9.5	<5000	0.83	<5000	95.0	<5000
Manganese	15	.2	0.51	<15	-0.11	<15	0.61	<15	0.51	<15
Molybdenum	10									
Nickel	40	1.1	0.010	<40	-0.24	<40	0.74	<40	-2.0	<40
Palladium	50	2.7								
Potassium	5000	12	-240	<5000	-210	<5000	-200	<5000	-230	<5000
Selenium	5.0	1.8	3.7	<5.0	0.33	<5.0	2.3	<5.0	-0.090	<5.0
Silicon	200	7.7	anr							
Silver	10	.7	0.070	<10	0.040	<10	0.74	<10	-0.44	<10
Sodium	5000	170	-200	<5000	-190	<5000	-270	<5000	-510	<5000
Thallium	10	4.5	anr							
Tin	10	2.3								
Vanadium	50	1	0.20	<50	-0.53	<50	-0.080	<50	-0.020	<50
Zinc	20	.9	0.63	<20	-0.10	<20	0.66	<20	0.41	<20

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.
(b) All samples reported < RDL.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14302 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	9.9	-16	<200	-0.20	<200	-12	<200	-5.6	<200
Antimony	5.0	3.2	2.3	<5.0	2.4	<5.0	0.42	<5.0	-0.030	<5.0
Arsenic	5.0	2.6	-1.1	<5.0	1.8	<5.0	0.30	<5.0	2.7	<5.0
Barium	200	.4	1.5	<200	1.1	<200	1.3	<200	1.1	<200
Beryllium	5.0	.1	anr							
Cadmium	4.0	.3	0.52	<4.0	0.39	<4.0	0.41	<4.0	0.53	<4.0
Calcium	5000	9.1	-28	<5000	-32	<5000	-39	<5000	-36	<5000
Chromium	10	.8	0.19	<10	0.28	<10	0.050	<10	0.46	<10
Cobalt	50	.9	0.87	<50	0.87	<50	0.46	<50	0.24	<50
Copper	25	.9	1.4	<25	0.33	<25	0.60	<25	0.14	<25
Iron	100	18	24.2	<100	41.0	<100	13.4	<100	25.6	<100
Lead	3.0	1.4	-0.37	<3.0	-1.2	<3.0	-1.3	<3.0	0.54	<3.0
Magnesium	5000	8.7	8.2	<5000	2.5	<5000	-3.1	<5000	1.7	<5000
Manganese	15	.2	0.38	<15	0.71	<15	0.40	<15	0.50	<15
Molybdenum	10									
Nickel	40	1.1	-0.32	<40	-0.16	<40	-0.48	<40	0.84	<40
Palladium	50	2.7								
Potassium	5000	12	-200	<5000	-220	<5000	-200	<5000	-270	<5000
Selenium	5.0	1.8	0.53	<5.0	1.1	<5.0	4.0	<5.0	1.3	<5.0
Silicon	200	7.7	anr							
Silver	10	.7	0.26	<10	0.0	<10	-0.010	<10	0.10	<10
Sodium	5000	170	-150	<5000	-220	<5000	-20	<5000	-290	<5000
Thallium	10	4.5	anr							
Tin	10	2.3								
Vanadium	50	1	0.21	<50	0.34	<50	-0.36	<50	-1.4	<50
Zinc	20	.9	0.41	<20	0.53	<20	0.37	<20	0.75	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14302 Units: ug/l

Metal	RL	IDL	CCB raw	final
Aluminum	200	9.9	23.5	<200
Antimony	5.0	3.2	2.2	<5.0
Arsenic	5.0	2.6	-1.0	<5.0
Barium	200	.4	0.70	<200
Beryllium	5.0	.1	anr	
Cadmium	4.0	.3	0.57	<4.0
Calcium	5000	9.1	-5.7	<5000
Chromium	10	.8	0.050	<10
Cobalt	50	.9	0.25	<50
Copper	25	.9	0.15	<25
Iron	100	18	34.9	<100
Lead	3.0	1.4	-0.75	<3.0
Magnesium	5000	8.7	30.8	<5000
Manganese	15	.2	0.31	<15
Molybdenum	10			
Nickel	40	1.1	-0.25	<40
Palladium	50	2.7		
Potassium	5000	12	-220	<5000
Selenium	5.0	1.8	2.5	<5.0
Silicon	200	7.7	anr	
Silver	10	.7	-0.18	<10
Sodium	5000	170	-210	<5000
Thallium	10	4.5	anr	
Tin	10	2.3		
Vanadium	50	1	-0.26	<50
Zinc	20	.9	0.50	<20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14306 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	46	9.1	<200	15.9	<200	59.9	<200	7.6	<200
Antimony	5.0	3.9	-1.5	<5.0	0.94	<5.0	0.41	<5.0	4.5	<5.0
Arsenic	5.0	4.5	-2.3	<5.0	-3.7	<5.0	-2.3	<5.0	-4.7	<5.0
Barium	200	1.4	anr							
Beryllium	5.0	.2	anr							
Cadmium	4.0	.4	anr							
Calcium	5000	34	anr							
Chromium	10	.9	anr							
Cobalt	50	.8	anr							
Copper	25	1	anr							
Iron	100	29	anr							
Lead	3.0	2	anr							
Magnesium	5000	29	anr							
Manganese	15	.3	anr							
Nickel	40	2.3	anr							
Potassium	5000	24	anr							
Selenium	5.0	4.5	anr							
Silver	10	.6	anr							
Sodium	5000	270	anr							
Thallium	10	5.1	anr							
Vanadium	50	1.4	anr							
Zinc	20	3.1	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14306 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	46	-0.62	<200	5.5	<200	0.27	<200	-51	<200
Antimony	5.0	3.9	3.0	<5.0	1.4	<5.0	1.5	<5.0	-1.7	<5.0
Arsenic	5.0	4.5	-0.83	<5.0	-1.1	<5.0	-1.4	<5.0	-4.0	<5.0
Barium	200	1.4	anr							
Beryllium	5.0	.2	anr							
Cadmium	4.0	.4	anr							
Calcium	5000	34	anr							
Chromium	10	.9	anr							
Cobalt	50	.8	anr							
Copper	25	1	anr							
Iron	100	29	anr							
Lead	3.0	2	anr							
Magnesium	5000	29	anr							
Manganese	15	.3	anr							
Nickel	40	2.3	anr							
Potassium	5000	24	anr							
Selenium	5.0	4.5	anr							
Silver	10	.6	anr							
Sodium	5000	270	anr							
Thallium	10	5.1	anr							
Vanadium	50	1.4	anr							
Zinc	20	3.1	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14306 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	46	-55	<200	-61	<200	-59	<200
Antimony	5.0	3.9	3.2	<5.0	-1.2	<10	-2.2	<10
Arsenic	5.0	4.5	-1.4	<5.0	0.29	<10	0.84	<10
Barium	200	1.4	anr					
Beryllium	5.0	.2	anr					
Cadmium	4.0	.4	anr					
Calcium	5000	34	anr					
Chromium	10	.9	anr					
Cobalt	50	.8	anr					
Copper	25	1	anr					
Iron	100	29	anr					
Lead	3.0	2	anr					
Magnesium	5000	29	anr					
Manganese	15	.3	anr					
Nickel	40	2.3	anr					
Potassium	5000	24	anr					
Selenium	5.0	4.5	anr					
Silver	10	.6	anr					
Sodium	5000	270	anr					
Thallium	10	5.1	anr					
Vanadium	50	1.4	anr					
Zinc	20	3.1	anr					

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14307 Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	36	1.7	<200	16.4	<200	6.1	<200	7.9	<200
Antimony	5.0	4.1	2.3	<5.0	3.9	<5.0	3.6	<5.0	3.2	<5.0
Arsenic	5.0	5.7	anr							
Barium	200	1.2	anr							
Beryllium	5.0	.2	anr							
Boron	100	1.3								
Cadmium	4.0	.5	anr							
Calcium	5000	150								
Chromium	10	.9	anr							
Cobalt	50	.7								
Copper	25	.9	anr							
Iron	100	22								
Lead	3.0	2.1	anr							
Magnesium	5000	33								
Manganese	15	.8								
Molybdenum	10	1.1	anr							
Nickel	40	3	anr							
Palladium	50	2.3								
Potassium	5000	11								
Selenium	5.0	5.6	anr							
Silicon	200	12								
Silver	10	.6	anr							
Sodium	5000	110								
Strontium	10	.4								
Thallium	10	5.6	anr							
Tin	10	1.6								
Titanium	10	.3								
Vanadium	50	.5								
Zinc	20	4.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14307 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	36	4.3	<200	9.2	<200	18.4	<200	40.2	<200
Antimony	5.0	4.1	0.28	<5.0	3.3	<5.0	3.9	<5.0	3.2	<5.0
Arsenic	5.0	5.7	anr							
Barium	200	1.2	anr							
Beryllium	5.0	.2	anr							
Boron	100	1.3								
Cadmium	4.0	.5	anr							
Calcium	5000	150								
Chromium	10	.9	anr							
Cobalt	50	.7								
Copper	25	.9	anr							
Iron	100	22								
Lead	3.0	2.1	anr							
Magnesium	5000	33								
Manganese	15	.8								
Molybdenum	10	1.1	anr							
Nickel	40	3	anr							
Palladium	50	2.3								
Potassium	5000	11								
Selenium	5.0	5.6	anr							
Silicon	200	12								
Silver	10	.6	anr							
Sodium	5000	110								
Strontium	10	.4								
Thallium	10	5.6	anr							
Tin	10	1.6								
Titanium	10	.3								
Vanadium	50	.5								
Zinc	20	4.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14307 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Aluminum	200	36	48.2	<200	11.5	<200	11.5	<200	11.9	<200
Antimony	5.0	4.1	4.3	<5.0	5.0	<5.0	3.2	<5.0	2.8	<5.0
Arsenic	5.0	5.7	anr							
Barium	200	1.2	anr							
Beryllium	5.0	.2	anr							
Boron	100	1.3								
Cadmium	4.0	.5	anr							
Calcium	5000	150								
Chromium	10	.9	anr							
Cobalt	50	.7								
Copper	25	.9	anr							
Iron	100	22								
Lead	3.0	2.1	anr							
Magnesium	5000	33								
Manganese	15	.8								
Molybdenum	10	1.1	anr							
Nickel	40	3	anr							
Palladium	50	2.3								
Potassium	5000	11								
Selenium	5.0	5.6	anr							
Silicon	200	12								
Silver	10	.6	anr							
Sodium	5000	110								
Strontium	10	.4								
Thallium	10	5.6	anr							
Tin	10	1.6								
Titanium	10	.3								
Vanadium	50	.5								
Zinc	20	4.6	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: result < RL Run ID: MA14307 Units: ug/l

Metal	RL	IDL	CCB raw	final
Aluminum	200	36	44.7	<200
Antimony	5.0	4.1	2.8	<5.0
Arsenic	5.0	5.7	anr	
Barium	200	1.2	anr	
Beryllium	5.0	.2	anr	
Boron	100	1.3		
Cadmium	4.0	.5	anr	
Calcium	5000	150		
Chromium	10	.9	anr	
Cobalt	50	.7		
Copper	25	.9	anr	
Iron	100	22		
Lead	3.0	2.1	anr	
Magnesium	5000	33		
Manganese	15	.8		
Molybdenum	10	1.1	anr	
Nickel	40	3	anr	
Palladium	50	2.3		
Potassium	5000	11		
Selenium	5.0	5.6	anr	
Silicon	200	12		
Silver	10	.6	anr	
Sodium	5000	110		
Strontium	10	.4		
Thallium	10	5.6	anr	
Tin	10	1.6		
Titanium	10	.3		
Vanadium	50	.5		
Zinc	20	4.6	anr	

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10816W1.PRN
QC Limits: result < RL

Date Analyzed: 08/16/04
Run ID: MA14287

Methods: EPA 245.1, SW846 7470A
Units: ug/l

Metal	RL	IDL	ICB raw	final	CCB raw	final	CCB raw	final	CCB raw	final
Mercury	0.20	.045	0.045	<0.20	0.021	<0.20	-0.035	<0.20	0.0010	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10819W1.PRN Date Analyzed: 08/19/04 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA14311 Units: ug/l

Metal	RL	IDL	ICB raw	ICB final	CCB raw	CCB final	CCB raw	CCB final	CCB raw	CCB final
Mercury	0.20	.045	0.014	<0.20	-0.0010	<0.20	-0.065	<0.20	-0.0030	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: H10819W1.PRN Date Analyzed: 08/19/04 Methods: EPA 245.1, SW846 7470A
QC Limits: result < RL Run ID: MA14311 Units: ug/l

Metal	RL	IDL	CCB raw	final	CCB raw	final
Mercury	0.20	.045	-0.13	<0.20	0.0020	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/13/04

Metal	RL	IDL	MB raw	final
Aluminum	100	5.7	-19	<200
Antimony	4.0	.21	0.90	<5.0
Arsenic	4.0	1.1	-0.13	<5.0
Barium	2.0	.1	0.57	<200
Beryllium	2.0	.07	0.045	<2.0
Boron	10	1.4		
Cadmium	2.0	.18	0.28	<4.0
Calcium	500	9.1	-16	<5000
Chromium	10	.23	0.020	<10
Cobalt	2.0	.058	0.29	<50
Copper	10	.9	0.87	<25
Iron	100	5.6	20.7	<100
Lithium	2.0			
Lead	1.0	.16	2.4	<3.0
Magnesium	500	7.6	-19	<5000
Manganese	2.0	.2	0.40	<15
Mercury	0.40			
Molybdenum	2.0	.29		
Nickel	10	.53	0.040	<40
Palladium	2.0	2.7		
Potassium	500	12	-280	<5000
Selenium	5.0	1.8	-0.62	<5.0
Silicon	200	7.7		
Silver	10	.35	-0.040	<10
Sodium	500	57	63.2	<5000
Strontium	2.0	.22		
Thallium	1.0	.11	0.52	<1.0
Tin	10	.069		
Titanium	2.0	.26		
Uranium	2.0			
Vanadium	10	1	-0.50	<50
Zinc	10	.9	0.33	<20

Associated samples MP26783: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

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BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	RL	IDL	MB raw	final
Aluminum	100	5.7	4.5	<200
Antimony	4.0	.21	0.43	<5.0
Arsenic	4.0	1.1	-1.0	<5.0
Barium	2.0	.1	1.9	<200
Beryllium	2.0	.07	-0.043	<2.0
Boron	10	1.4		
Cadmium	2.0	.18	-0.11	<4.0
Calcium	500	9.1	-14	<5000
Chromium	10	.23	-0.89	<10
Cobalt	2.0	.058	-0.77	<50
Copper	10	.9	-1.5	<25
Iron	100	5.6	2.5	<100
Lithium	2.0			
Lead	1.0	.16	0.75	<3.0
Magnesium	500	7.6	-12	<5000
Manganese	2.0	.2	0.49	<15
Mercury	0.40			
Molybdenum	2.0	.29		
Nickel	10	.53	-1.1	<40
Palladium	2.0	2.7		
Potassium	500	12	-320	<5000
Selenium	5.0	1.8	1.9	<5.0
Silicon	200	7.7		
Silver	10	.35	-1.5	<10
Sodium	500	57	150	<5000
Strontium	2.0	.22		
Thallium	1.0	.11	0.13	<1.0
Tin	10	.069		
Titanium	2.0	.26		
Uranium	2.0			
Vanadium	10	1	-1.4	<50
Zinc	10	.9	0.54	<20

Associated samples MP26788: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	RL	IDL	MB raw	final
Aluminum	100	5.7	4.9	<200
Antimony	4.0	.21	3.5	<5.0
Arsenic	4.0	1.1	-1.4	<5.0
Barium	2.0	.1	1.8	<200
Beryllium	2.0	.07	-0.057	<2.0
Boron	10	1.3		
Cadmium	2.0	.18	-0.10	<4.0
Calcium	500	9.1	-31	<5000
Chromium	10	.23	-0.40	<10
Cobalt	2.0	.058	-0.43	<50
Copper	10	.9	1.1	<25
Iron	100	5.6	14.9	<100
Lithium	2.0			
Lead	1.0	.16	0.49	<3.0
Magnesium	500	7.6	-15	<5000
Manganese	2.0	.2	-0.12	<15
Mercury	0.40			
Molybdenum	2.0	.29		
Nickel	10	.53	-0.55	<40
Palladium	2.0	2.3		
Potassium	500	11	-240	<5000
Selenium	5.0	1.8	0.94	<5.0
Silicon	200	7.7		
Silver	10	.35	-0.050	<10
Sodium	500	57	34.4	<5000
Strontium	2.0	.22		
Thallium	1.0	.11	-0.010	<1.0
Tin	10	.069		
Titanium	2.0	.26		
Uranium	2.0			
Vanadium	10	.5	-0.52	<50
Zinc	10	.9	0.19	<20

Associated samples MP26789: N74914-9F, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26795
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/16/04

Metal	RL	IDL	MB raw	final
Mercury	0.20	.045	-0.013	<0.20

Associated samples MP26795: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26845
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	RL	IDL	MB raw	final
Mercury	0.20	.045	0.073	<0.20

Associated samples MP26845: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	RL	IDL	MB raw	final
Mercury	0.20	.045	-0.065	<0.20

Associated samples MP26846: N74914-9F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14285 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	526000	105.2	534000	106.8	521000	104.2	533000	106.6
Antimony		1000	0.73		1030	103.0	-3.1		1010	101.0
Arsenic		1000	-3.3		1050	105.0	-0.74		1040	104.0
Barium		500	4.3		508	101.6	3.9		509	101.8
Beryllium		500	0.49		480	96.0	0.30		473	94.6
Cadmium		1000	1.3		984	98.4	1.0		965	96.5
Calcium	500000	500000	526000	105.2	552000	110.4	521000	104.2	542000	108.4
Chromium		500	-0.80		484	96.8	-0.52		478	95.6
Cobalt		500	3.0		504	100.8	2.9		496	99.2
Copper		500	2.2		509	101.8	1.7		508	101.6
Iron	200000	200000	193000	96.5	204000	102.0	191000	95.5	203000	101.5
Lead		1000	-0.51		1020	102.0	-1.3		1000	100.0
Magnesium	500000	500000	517000	103.4	521000	104.2	513000	102.6	518000	103.6
Manganese		500	-1.1		490	98.0	-1.1		484	96.8
Molybdenum		500	3.0		496	99.2	0.99		493	98.6
Nickel		1000	1.5		995	99.5	0.80		985	98.5
Palladium		500	-0.37		539	107.8	-0.51		534	106.8
Potassium			-140		-140		-150		-170	
Selenium		1000	-1.2		1030	103.0	-1.2		1020	102.0
Silicon			63.1		105		54.9		124	
Silver		1000	0.26		1010	101.0	-0.020		1000	100.0
Sodium			-710		-400		-580		-540	
Thallium		1000	7.7		961	96.1	5.6		966	96.6
Tin			7.8		5.4		5.4		4.8	
Vanadium		500	4.0		490	98.0	2.6		491	98.2
Zinc		1000	0.23		972	97.2	0.15		953	95.3

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14285 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	542000	108.4	555000	111.0
Antimony		1000	0.040		1060	106.0
Arsenic		1000	-5.0*(a)		1060	106.0
Barium		500	4.6		523	104.6
Beryllium		500	0.33		489	97.8
Cadmium		1000	2.2		1000	100.0
Calcium	500000	500000	540000	108.0	564000	112.8
Chromium		500	-0.43		492	98.4
Cobalt		500	2.6		517	103.4
Copper		500	3.4		533	106.6
Iron	200000	200000	195000	97.5	208000	104.0
Lead		1000	0.040		1040	104.0
Magnesium	500000	500000	525000	105.0	533000	106.6
Manganese		500	-1.0		502	100.4
Molybdenum		500	-0.22		507	101.4
Nickel		1000	0.99		1010	101.0
Palladium		500	0.65		560	112.0
Potassium			-100		-89	
Selenium		1000	-1.1		1050	105.0
Silicon			59.8		135	
Silver		1000	0.53		1040	104.0
Sodium			-440		-450	
Thallium		1000	-13**(b)		963	96.3
Tin			6.3		5.3	
Vanadium		500	3.1		497	99.4
Zinc		1000	0.020		976	97.6

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within RDL limits for TCLP leachates and soils.Only TCLP and soil samples reported for this element in the area bracketed by this QC.
(b) No samples reported for this element in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
QC Limits: 80 to 120 % Recovery Run ID: MA14290 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	100000	100000	101000H	101.0	103000H	103.0
Antimony			2.5		2.7	
Arsenic		20	0.39		20.1	100.5
Barium			1.2		1.2	
Beryllium			0.037		0.048	
Boron			0.63		0.81	
Cadmium		20	0.66		20.9	104.5
Calcium	100000	100000	103000H	103.0	105000H	105.0
Chromium		20	4.4		24.0	120.0
Cobalt		20	0.12		20.8	104.0
Copper		20	2.9		20.9	104.5
Iron	100000	100000	101000H	101.0	104000H	104.0
Lithium			0.0		0.0	
Lead			1.1		1.1	
Magnesium	100000	100000	102000H	102.0	104000H	104.0
Manganese		20	0.49		22.7	113.5
Mercury			0.0		0.0	
Molybdenum	2000	2000	2240H	112.0	2300H	115.0
Nickel		20	2.3		22.7	113.5
Palladium			0.0		0.0	
Potassium	100000	100000	100000H	100.0	102000H	102.0
Selenium			0.91		1.1	
Silver		20	2.5		21.6	108.0
Sodium	100000	100000	106000H	106.0	108000H	108.0
Strontium			0.0		0.0	
Thallium			0.20		0.18	
Tin			0.19		0.20	
Titanium	2000	2000	2160H	108.0	2200H	110.0
Uranium			0.0		0.0	
Vanadium			1.7		2.0	
Zinc		20	3.1		22.5	112.5

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
QC Limits: 80 to 120 % Recovery Run ID: MA14300 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	100000	100000	102000H	102.0	104000H	104.0
Antimony			1.5		1.7	
Arsenic		20	0.12		19.8	99.0
Barium			0.22		0.21	
Beryllium			0.0020		-0.013	
Boron			0.87		0.84	
Cadmium		20	0.49		20.5	102.5
Calcium	100000	100000	102000H	102.0	105000H	105.0
Chromium		20	3.2		23.7	118.5
Cobalt		20	0.086		20.4	102.0
Copper		20	-0.0020		20.1	100.5
Iron	100000	100000	101000H	101.0	105000H	105.0
Lithium			0.0		0.0	
Lead			0.98		1.0	
Magnesium	100000	100000	100000H	100.0	103000H	103.0
Manganese		20	0.033		20.7	103.5
Mercury			0.0		0.0	
Molybdenum	2000	2000	2310H	115.5	2390H	119.5
Nickel		20	1.2		21.8	109.0
Palladium			0.0		0.0	
Potassium	100000	100000	102000H	102.0	104000H	104.0
Selenium			0.12		-0.29	
Silver		20	0.29		22.5	112.5
Sodium	100000	100000	103000H	103.0	105000H	105.0
Strontium			0.0		0.0	
Thallium			0.11		0.21	
Tin			0.17		0.16	
Titanium	2000	2000	2150H	107.5	2210H	110.5
Uranium			0.0		0.0	
Vanadium			0.21		-0.061	
Zinc		20				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14302 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	523000	104.6	530000	106.0	530000	106.0	530000	106.0
Antimony		1000	2.8		1000	100.0	-2.6		985	98.5
Arsenic		1000	0.10		1050	105.0	-1.1		1060	106.0
Barium		500	4.2		509	101.8	4.1		510	102.0
Beryllium		500	0.41		457	91.4	0.27		460	92.0
Cadmium		1000	0.60		935	93.5	0.030		937	93.7
Calcium	500000	500000	527000	105.4	526000	105.2	532000	106.4	531000	106.2
Chromium		500	-0.62		467	93.4	-0.52		470	94.0
Cobalt		500	2.3		482	96.4	1.7		482	96.4
Copper		500	0.49		505	101.0	0.46		501	100.2
Iron	200000	200000	199000	99.5	201000	100.5	201000	100.5	203000	101.5
Lead		1000	-1.3		966	96.6	-0.88		970	97.0
Magnesium	500000	500000	511000	102.2	514000	102.8	518000	103.6	520000	104.0
Manganese		500	-0.44		475	95.0	-0.73		478	95.6
Molybdenum		500	2.3		494	98.8	3.0		497	99.4
Nickel		1000	0.66		963	96.3	0.30		965	96.5
Palladium		500	-1.4		526	105.2	-1.9		522	104.4
Potassium			-180		-200		-140		-170	
Selenium		1000	1.8		1000	100.0	6.0* (a)		1010	101.0
Silicon			17.8		33.8		1.8		22.6	
Silver		1000	0.13		1020	102.0	-0.23		1020	102.0
Sodium			-140		-37		-190		-110	
Thallium		1000	8.4		941	94.1	7.0		953	95.3
Tin			7.4		1.1		3.0		3.6	
Vanadium		500	3.4		492	98.4	3.9		501	100.2
Zinc		1000	1.0		915	91.5	-0.34		930	93.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within RDL limits for TCLP leachates and soils.Only TCLP and soil samples reported for this element in the area bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14302 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	534000	106.8	532000	106.4	540000	108.0	535000	107.0
Antimony		1000	-1.4		994	99.4	-1.1		1020	102.0
Arsenic		1000	-0.22		1050	105.0	3.4		1050	105.0
Barium		500	4.3		513	102.6	5.0		512	102.4
Beryllium		500	0.40		459	91.8	0.29		468	93.6
Cadmium		1000	-0.030		929	92.9	1.2		945	94.5
Calcium	500000	500000	532000	106.4	529000	105.8	537000	107.4	538000	107.6
Chromium		500	-0.32		468	93.6	-0.68		473	94.6
Cobalt		500	2.1		481	96.2	2.0		497	99.4
Copper		500	0.84		504	100.8	2.2		513	102.6
Iron	200000	200000	202000	101.0	202000	101.0	201000	100.5	201000	100.5
Lead		1000	-0.70		956	95.6	-0.060		980	98.0
Magnesium	500000	500000	519000	103.8	518000	103.6	518000	103.6	518000	103.6
Manganese		500	-0.62		477	95.4	-0.78		486	97.2
Molybdenum		500	2.1		496	99.2	1.9		492	98.4
Nickel		1000	-0.26		961	96.1	0.53		971	97.1
Palladium		500	-1.3		524	104.8	-2.1		532	106.4
Potassium			-140		-160		-100		-120	
Selenium		1000	-2.8		997	99.7	-1.2		1000	100.0
Silicon			8.6		26.6		17.3		30.5	
Silver		1000	0.040		1020	102.0	0.35		1030	103.0
Sodium			-120		-93		-59		-16	
Thallium		1000	4.0		949	94.9	-6.6		928	92.8
Tin			5.0		6.1		4.4		-0.78	
Vanadium		500	4.4		499	99.8	3.1		487	97.4
Zinc		1000	-0.12		923	92.3	0.040		939	93.9

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14302 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	540000	108.0	544000	108.8
Antimony		1000	-2.1		1020	102.0
Arsenic		1000	-0.030		1060	106.0
Barium		500	4.5		519	103.8
Beryllium		500	0.27		473	94.6
Cadmium		1000	0.71		960	96.0
Calcium	500000	500000	536000	107.2	550000	110.0
Chromium		500	-0.65		482	96.4
Cobalt		500	2.3		498	99.6
Copper		500	1.5		516	103.2
Iron	200000	200000	202000	101.0	207000	103.5
Lead		1000	-1.4		991	99.1
Magnesium	500000	500000	520000	104.0	531000	106.2
Manganese		500	-0.76		493	98.6
Molybdenum		500	1.4		508	101.6
Nickel		1000	0.37		990	99.0
Palladium		500	-1.9		534	106.8
Potassium			-110		-77	
Selenium		1000	-0.82		1010	101.0
Silicon			15.1		27.3	
Silver		1000	0.16		1040	104.0
Sodium			-120		-96	
Thallium		1000	-2.3		944	94.4
Tin			6.7		5.4	
Vanadium		500	3.7		508	101.6
Zinc		1000	-0.060		950	95.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14306 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	475000	95.0	487000	97.4	482000	96.4	491000	98.2
Antimony		1000	1.7		1020	102.0	1.2		1020	102.0
Arsenic		1000	-1.9		1060	106.0	-0.24		1060	106.0
Barium		500	0.44		494	98.8	-0.14		486	97.2
Beryllium		500	-0.30		441	88.2	-0.39		442	88.4
Cadmium		1000	-2.2		895	89.5	-0.46		890	89.0
Calcium	500000	500000	515000	103.0	532000	106.4	521000	104.2	534000	106.8
Chromium		500	1.4		452	90.4	1.2		441	88.2
Cobalt		500	1.3		475	95.0	0.81		462	92.4
Copper		500	-2.4		525	105.0	-1.3		527	105.4
Iron	200000	200000	178000	89.0	189000	94.5	180000	90.0	189000	94.5
Lead		1000	-1.5		963	96.3	0.34		965	96.5
Magnesium	500000	500000	540000	108.0	547000	109.4	549000	109.8	551000	110.2
Manganese		500	-1.7		459	91.8	-4.3		455	91.0
Nickel		1000	0.22		921	92.1	2.7		914	91.4
Potassium			4.8		7.7		6.1		5.8	
Selenium		1000	-2.6		1000	100.0	-4.5		1010	101.0
Silver		1000	-1.4		1020	102.0	-1.3		995	99.5
Sodium			964		1250		944		1220	
Thallium		1000	-3.2		964	96.4	-5.0		952	95.2
Vanadium		500	2.2		473	94.6	1.4		472	94.4
Zinc		1000	4.4		1030	103.0	4.1		1030	103.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IR0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14306 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	484000	96.8	487000	97.4	488000	97.6	495000	99.0
Antimony		1000	2.2		1020	102.0	2.4		1010	101.0
Arsenic		1000	-2.5		1060	106.0	-4.6		1040	104.0
Barium		500	-0.57		480	96.0	-0.78		486	97.2
Beryllium		500	-0.31		445	89.0	-0.44		422	84.4
Cadmium		1000	0.92		896	89.6	2.2		856	85.6
Calcium	500000	500000	536000	107.2	541000	108.2	530000	106.0	507000	101.4
Chromium		500	0.84		458	91.6	0.70		434	86.8
Cobalt		500	1.1		474	94.8	0.27		462	92.4
Copper		500	-1.1		520	104.0	-0.030		534	106.8
Iron	200000	200000	187000	93.5	191000	95.5	186000	93.0	183000	91.5
Lead		1000	0.94		961	96.1	0.25		950	95.0
Magnesium	500000	500000	549000	109.8	551000	110.2	550000	110.0	546000	109.2
Manganese		500	-5.3		458	91.6	-8.8		435	87.0
Nickel		1000	2.7		927	92.7	-1.1		893	89.3
Potassium			5.0		5.7		4.9		8.1	
Selenium		1000	-0.72		995	99.5	0.97		1000	100.0
Silver		1000	-1.2		1000	100.0	-0.64		978	97.8
Sodium			1040		1200		979		1140	
Thallium		1000	4.3		946	94.6	6.3		952	95.2
Vanadium		500	1.6		475	95.0	0.65		461	92.2
Zinc		1000	4.3		1030	103.0	5.1		998	99.8

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14307 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	489000	97.8	506000	101.2	519000	103.8	494000	98.8
Antimony		1000	7.0* (a)		989	98.9	3.2		954	95.4
Arsenic		1000	1.1		1050	105.0	-0.98		1030	103.0
Barium		500	-1.5		490	98.0	-0.80		477	95.4
Beryllium		500	0.050		461	92.2	-0.30		456	91.2
Boron			-6.4		-5.5		-8.2		-4.1	
Cadmium		1000	0.0		930	93.0	1.1		909	90.9
Calcium	500000	500000	498000	99.6	513000	102.6	535000	107.0	508000	101.6
Chromium		500	-0.99		470	94.0	-1.2		455	91.0
Cobalt		500	1.8		479	95.8	1.3		464	92.8
Copper		500	-0.46		492	98.4	0.52		471	94.2
Iron	200000	200000	187000	93.5	192000	96.0	199000	99.5	191000	95.5
Lead		1000	-2.0		941	94.1	1.6		936	93.6
Magnesium	500000	500000	509000	101.8	525000	105.0	540000	108.0	519000	103.8
Manganese		500	-0.61		477	95.4	-0.71		466	93.2
Molybdenum		500	-3.1		477	95.4	-3.1		474	94.8
Nickel		1000	0.23		920	92.0	0.23		905	90.5
Palladium		500	1.1		511	102.2	1.5		502	100.4
Potassium			3.2		12.3		0.96		4.8	
Selenium		1000	-1.7		979	97.9	-0.62		976	97.6
Silicon			-62		-44		-61		-45	
Silver		1000	1.4		1000	100.0	1.6		995	99.5
Sodium			-230		-180		-340		-230	
Strontium			-1.1		-1.0		-1.1		-0.91	
Thallium		1000	9.2		920	92.0	-3.9		883	88.3
Tin			3.6		2.7		1.3		6.6	
Titanium			-0.88		-1.0		-1.0		-0.85	
Vanadium		500	-2.1		496	99.2	-1.6		483	96.6
Zinc		1000	0.98		902	90.2	1.6		883	88.3

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within RDL limits for soils. No aqueous samples reported for this element bracketed by this QC.

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IP0818M1.ASC Date Analyzed: 08/18/04 Methods: EPA 200.7, SW846 6010B
QC Limits: 80 to 120 % Recovery Run ID: MA14307 Units: ug/l

Metal	ICSA True	ICSAB True	ICSA Results	% Rec	ICSAB Results	% Rec
Aluminum	500000	500000	502000	100.4	527000	105.4
Antimony		1000	-0.72		1000	100.0
Arsenic		1000	3.6		1080	108.0
Barium		500	0.85		517	103.4
Beryllium		500	-0.38		472	94.4
Boron			-7.2		-5.0	
Cadmium		1000	3.7		917	91.7
Calcium	500000	500000	500000	100.0	525000	105.0
Chromium		500	-1.3		474	94.8
Cobalt		500	2.0		490	98.0
Copper		500	0.30		500	100.0
Iron	200000	200000	189000	94.5	200000	100.0
Lead		1000	-2.4		978	97.8
Magnesium	500000	500000	516000	103.2	545000	109.0
Manganese		500	-0.81		490	98.0
Molybdenum		500	-3.4		506	101.2
Nickel		1000	1.1		935	93.5
Palladium		500	-0.46		538	107.6
Potassium			10		19.3	
Selenium		1000	9.5* (a)		1020	102.0
Silicon			-52		-40	
Silver		1000	1.7		1050	105.0
Sodium			-320		-240	
Strontium			-0.28		-0.16	
Thallium		1000	-8.5		906	90.6
Tin			-0.080		2.5	
Titanium			-1.1		-0.95	
Vanadium		500	-2.5		509	101.8
Zinc		1000	0.99		913	91.3

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within RDL limits for soils. No aqueous samples reported for this element bracketed by this QC.

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MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/13/04

Metal	N74914-1 Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum	0.0	1980	2000	99.0	75-125
Antimony	4.0	494	500	98.0	75-125
Arsenic	0.0	1810	2000	90.5	75-125
Barium	142	2100	2000	97.9	75-125
Beryllium	0.0	52.5	50	105.0	75-125
Boron					
Cadmium	0.0	50.0	50	100.0	75-125
Calcium	45000	70300	25000	101.2	75-125
Chromium	0.0	197	200	98.5	75-125
Cobalt	0.0	496	500	99.2	75-125
Copper	4.8	258	250	101.3	75-125
Iron	34.6	971	1000	93.6	75-125
Lithium					
Lead	1.8	498	500	99.2	75-125
Magnesium	4400	29500	25000	100.4	75-125
Manganese	195	694	500	99.8	75-125
Mercury					
Molybdenum					
Nickel	1.8	495	500	98.6	75-125
Palladium					
Potassium	2030	27500	25000	101.9	75-125
Selenium	0.0	1900	2000	95.0	75-125
Silicon					
Silver	0.0	48.4	50	96.8	75-125
Sodium	8310	33700	25000	101.6	75-125
Strontium					
Thallium	4.0	1950	2000	97.5	75-125
Tin					
Titanium					
Uranium					
Vanadium	0.0	489	500	97.8	75-125
Zinc	108	603	500	99.0	75-125

Associated samples MP26783: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/13/04

Metal	N74914-1 Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum	0.0	1970	2000	98.5	0.5	20
Antimony	4.0	492	500	97.6	0.4	20
Arsenic	0.0	1840	2000	92.0	1.6	20
Barium	142	2080	2000	96.9	1.0	20
Beryllium	0.0	51.3	50	102.6	2.3	20
Boron						
Cadmium	0.0	49.7	50	99.4	0.6	20
Calcium	45000	69200	25000	96.8	1.6	20
Chromium	0.0	195	200	97.5	1.0	20
Cobalt	0.0	490	500	98.0	1.2	20
Copper	4.8	256	250	100.5	0.8	20
Iron	34.6	958	1000	92.3	1.3	20
Lithium						
Lead	1.8	491	500	97.8	1.4	20
Magnesium	4400	29200	25000	99.2	1.0	20
Manganese	195	685	500	98.0	1.3	20
Mercury						
Molybdenum						
Nickel	1.8	490	500	97.6	1.0	20
Palladium						
Potassium	2030	27500	25000	101.9	0.0	20
Selenium	0.0	1890	2000	94.5	0.5	20
Silicon						
Silver	0.0	48.1	50	96.2	0.6	20
Sodium	8310	33700	25000	101.6	0.0	20
Strontium						
Thallium	4.0	1940	2000	97.0	0.5	20
Tin						
Titanium						
Uranium						
Vanadium	0.0	481	500	96.2	1.6	20
Zinc	108	593	500	97.0	1.7	20

Associated samples MP26783: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

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MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-9 Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum	0.0	2050	2000	102.5	75-125
Antimony	3.9	501	500	99.4	75-125
Arsenic	0.0	1990	2000	99.5	75-125
Barium	37.6	2080	2000	102.1	75-125
Beryllium	0.0	49.6	50	99.2	75-125
Boron					
Cadmium	0.0	49.5	50	99.0	75-125
Calcium	43100	69400	25000	105.2	75-125
Chromium	0.0	199	200	99.5	75-125
Cobalt	0.0	492	500	98.4	75-125
Copper	1.3	259	250	103.1	75-125
Iron	1000	1990	1000	99.0	75-125
Lithium					
Lead	0.0	488	500	97.6	75-125
Magnesium	9190	34800	25000	102.4	75-125
Manganese	634	1150	500	103.2	75-125
Mercury					
Molybdenum					
Nickel	0.0	497	500	99.4	75-125
Palladium					
Potassium	1610	27500	25000	103.6	75-125
Selenium	0.0	1900	2000	95.0	75-125
Silicon					
Silver	0.0	50.0	50	100.0	75-125
Sodium	11800	37900	25000	104.4	75-125
Strontium					
Thallium	0.67	2060	2000	103.0	75-125
Tin					
Titanium					
Uranium					
Vanadium	0.0	510	500	102.0	75-125
Zinc	155	654	500	99.8	75-125

Associated samples MP26788: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-9 Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum	0.0	2040	2000	102.0	5.0	20
Antimony	3.9	497	500	98.6	0.8	20
Arsenic	0.0	1960	2000	98.0	1.5	20
Barium	37.6	2060	2000	101.1	1.0	20
Beryllium	0.0	49.5	50	99.0	0.2	20
Boron						
Cadmium	0.0	48.8	50	97.6	1.4	20
Calcium	43100	69200	25000	104.4	0.3	20
Chromium	0.0	197	200	98.5	1.0	20
Cobalt	0.0	488	500	97.6	0.8	20
Copper	1.3	256	250	101.9	1.2	20
Iron	1000	1980	1000	98.0	0.5	20
Lithium						
Lead	0.0	484	500	96.8	0.8	20
Magnesium	9190	34700	25000	102.0	0.3	20
Manganese	634	1140	500	101.2	0.9	20
Mercury						
Molybdenum						
Nickel	0.0	492	500	98.4	1.0	20
Palladium						
Potassium	1610	27500	25000	103.6	0.0	20
Selenium	0.0	1890	2000	94.5	0.5	20
Silicon						
Silver	0.0	49.8	50	99.6	0.4	20
Sodium	11800	37900	25000	104.4	0.0	20
Strontium						
Thallium	0.67	1890	2000	94.5	8.6	20
Tin						
Titanium						
Uranium						
Vanadium	0.0	506	500	101.2	0.8	20
Zinc	155	648	500	98.6	0.9	20

Associated samples MP26788: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-9F Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum	0.0	2000	2000	100.0	75-125
Antimony	4.4	521	500	103.3	75-125
Arsenic	0.0	2010	2000	100.5	75-125
Barium	41.2	2110	2000	103.4	75-125
Beryllium	0.0	49.5	50	99.0	75-125
Boron					
Cadmium	0.0	51.2	50	102.4	75-125
Calcium	45200	71900	25000	106.8	75-125
Chromium	0.0	204	200	102.0	75-125
Cobalt	0.0	515	500	103.0	75-125
Copper	1.6	269	250	107.0	75-125
Iron	995	1980	1000	98.5	75-125
Lithium					
Lead	0.0	508	500	101.6	75-125
Magnesium	9550	35500	25000	103.8	75-125
Manganese	668	1190	500	104.4	75-125
Mercury					
Molybdenum					
Nickel	0.0	507	500	101.4	75-125
Palladium					
Potassium	1840	28900	25000	108.2	75-125
Selenium	2.1	1950	2000	97.4	75-125
Silicon					
Silver	0.0	51.7	50	103.4	75-125
Sodium	12600	39800	25000	108.8	75-125
Strontium					
Thallium	0.64	1770	2000	88.5	75-125
Tin					
Titanium					
Uranium					
Vanadium	0.0	504	500	100.8	75-125
Zinc	155	665	500	102.0	75-125

Associated samples MP26789: N74914-9F, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-9F Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum	0.0	2030	2000	101.5	1.5	20
Antimony	4.4	534	500	105.9	2.5	20
Arsenic	0.0	2070	2000	103.5	2.9	20
Barium	41.2	2150	2000	105.4	1.9	20
Beryllium	0.0	48.7	50	97.4	1.6	20
Boron						
Cadmium	0.0	52.5	50	105.0	2.5	20
Calcium	45200	76200	25000	124.0	5.8	20
Chromium	0.0	210	200	105.0	2.9	20
Cobalt	0.0	531	500	106.2	3.1	20
Copper	1.6	273	250	108.6	1.5	20
Iron	995	2050	1000	105.5	3.5	20
Lithium						
Lead	0.0	521	500	104.2	2.5	20
Magnesium	9550	38200	25000	114.6	7.3	20
Manganese	668	1230	500	112.4	3.3	20
Mercury						
Molybdenum						
Nickel	0.0	525	500	105.0	3.5	20
Palladium						
Potassium	1840	31000	25000	116.6	7.0	20
Selenium	2.1	2000	2000	99.9	2.5	20
Silicon						
Silver	0.0	53.1	50	106.2	2.7	20
Sodium	12600	42000	25000	117.6	5.4	20
Strontium						
Thallium	0.64	1800	2000	90.0	1.7	20
Tin						
Titanium						
Uranium						
Vanadium	0.0	518	500	103.6	2.7	20
Zinc	155	687	500	106.4	3.3	20

Associated samples MP26789: N74914-9F, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26795
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-1 Original	MS	Spikelot HGPW2	% Rec	QC Limits
Mercury	0.073	1.9	2	91.4	63-127

Associated samples MP26795: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

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MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26795
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-1 Original	MSD	Spikelot HGPW2	% Rec	MSD RPD	QC Limit
Mercury	0.073	2.0	2	96.4	5.1	20

Associated samples MP26795: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26845
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	N74914-9 Original	MS	Spikelot HGPW2	% Rec	QC Limits
Mercury	0.0	1.8	2	90.0	63-127

Associated samples MP26845: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26845
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	N74914-9 Original	MSD	Spikelot HGPW2	% Rec	MSD RPD	QC Limit
Mercury	0.0	1.8	2	90.0	0.0	20

Associated samples MP26845: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	N74914-9F Original	MS	Spikelot HGPW2	% Rec	QC Limits
Mercury	0.0	1.8	2	90.0	63-127

Associated samples MP26846: N74914-9F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	N74914-9F Original	MSD	Spikelot HGPW2	% Rec	MSD RPD	QC Limit
Mercury	0.0	1.7	2	85.0	5.7	20

Associated samples MP26846: N74914-9F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/13/04

Metal	LCS Result	Spikelot MPLCW2	% Rec	QC Limits
Aluminum	5100	5000	102.0	80-120
Antimony	509	500	101.8	80-120
Arsenic	473	500	94.6	80-120
Barium	504	500	100.8	80-120
Beryllium	483	500	96.6	80-120
Boron				
Cadmium	513	500	102.6	80-120
Calcium	5720	5500	104.0	80-120
Chromium	506	500	101.2	80-120
Cobalt	514	500	102.8	80-120
Copper	517	500	103.4	80-120
Iron	5610	5500	102.0	80-120
Lithium				
Lead	513	500	102.6	80-120
Magnesium	5770	5500	104.9	80-120
Manganese	514	500	102.8	80-120
Mercury				
Molybdenum				
Nickel	512	500	102.4	80-120
Palladium				
Potassium	5020	5000	100.4	80-120
Selenium	483	500	96.6	80-120
Silicon				
Silver	196	200	98.0	80-120
Sodium	5380	5000	107.6	80-120
Strontium				
Thallium	479	500	95.8	80-120
Tin				
Titanium				
Uranium				
Vanadium	502	500	100.4	80-120
Zinc	518	500	103.6	80-120

Associated samples MP26783: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	LCS Result	Spikelot MPLCW2	% Rec	QC Limits
Aluminum	5180	5000	103.6	80-120
Antimony	509	500	101.8	80-120
Arsenic	510	500	102.0	80-120
Barium	522	500	104.4	80-120
Beryllium	437	500	87.4	80-120
Boron				
Cadmium	502	500	100.4	80-120
Calcium	5680	5500	103.3	80-120
Chromium	504	500	100.8	80-120
Cobalt	507	500	101.4	80-120
Copper	521	500	104.2	80-120
Iron	5680	5500	103.3	80-120
Lithium				
Lead	501	500	100.2	80-120
Magnesium	5830	5500	106.0	80-120
Manganese	514	500	102.8	80-120
Mercury				
Molybdenum				
Nickel	506	500	101.2	80-120
Palladium				
Potassium	5130	5000	102.6	80-120
Selenium	482	500	96.4	80-120
Silicon				
Silver	202	200	101.0	80-120
Sodium	5480	5000	109.6	80-120
Strontium				
Thallium	481	500	96.2	80-120
Tin				
Titanium				
Uranium				
Vanadium	518	500	103.6	80-120
Zinc	512	500	102.4	80-120

Associated samples MP26788: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	LCS Result	Spikelot MPLCW2	% Rec	QC Limits
Aluminum	5170	5000	103.4	80-120
Antimony	525	500	105.0	80-120
Arsenic	512	500	102.4	80-120
Barium	528	500	105.6	80-120
Beryllium	447	500	89.4	80-120
Boron				
Cadmium	514	500	102.8	80-120
Calcium	5830	5500	106.0	80-120
Chromium	514	500	102.8	80-120
Cobalt	527	500	105.4	80-120
Copper	535	500	107.0	80-120
Iron	5650	5500	102.7	80-120
Lithium				
Lead	512	500	102.4	80-120
Magnesium	5870	5500	106.7	80-120
Manganese	527	500	105.4	80-120
Mercury				
Molybdenum				
Nickel	517	500	103.4	80-120
Palladium				
Potassium	5350	5000	107.0	80-120
Selenium	486	500	97.2	80-120
Silicon				
Silver	206	200	103.0	80-120
Sodium	5720	5000	114.4	80-120
Strontium				
Thallium	479	500	95.8	80-120
Tin				
Titanium				
Uranium				
Vanadium	511	500	102.2	80-120
Zinc	521	500	104.2	80-120

Associated samples MP26789: N74914-9F, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

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SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26795
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/16/04

Metal	LCS Result	Spikelot HGPW2	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP26795: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26845
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	LCS Result	Spikelot HGPW2	% Rec	QC Limits
Mercury	2.1	2	105.0	80-120

Associated samples MP26845: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26846
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 08/18/04

Metal	LCS Result	Spikelot HGPW2	% Rec	QC Limits
Mercury	2.0	2	100.0	80-120

Associated samples MP26846: N74914-9F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/13/04

Metal	N74914-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	4.02	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	142	143	1.2	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.00	3.59	NC	0-10
Calcium	45000	44200	1.6	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	4.83	12.2	152.2(a)	0-10
Iron	34.6	0.00	100.0(a)	0-10
Lithium				
Lead	1.82	0.00	100.0(a)	0-10
Magnesium	4400	4400	0.2	0-10
Manganese	195	192	1.3	0-10
Mercury				
Molybdenum				
Nickel	1.80	0.00	100.0(a)	0-10
Palladium				
Potassium	2030	1100	45.7*(b)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	8310	7220	13.2 (a)	0-10
Strontium				
Thallium	4.04	6.99	3986.5(a	0-10
Tin				
Titanium				
Uranium				
Vanadium	0.00	0.00	NC	0-10
Zinc	108	108	0.5	0-10

Associated samples MP26783: N74914-1, N74914-2, N74914-3, N74914-4, N74914-5, N74914-6, N74914-7, N74914-1F, N74914-2F, N74914-3F, N74914-4F, N74914-5F, N74914-6F, N74914-7F

SERIAL DILUTION RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26783
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

SERIAL DILUTION RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-9 Original	SDL 1:5	RPD	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	3.88	16.2	316.5(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	37.6	47.6	26.4*(b)	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	43100	43600	1.0	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	1.28	0.00	100.0(a)	0-10
Iron	1000	1010	0.6	0-10
Lithium				
Lead	0.00	0.00	NC	0-10
Magnesium	9190	9460	2.9	0-10
Manganese	634	645	1.7	0-10
Mercury				
Molybdenum				
Nickel	0.00	0.00	NC	0-10
Palladium				
Potassium	1610	742	53.8*(b)	0-10
Selenium	0.00	0.00	NC	0-10
Silicon				
Silver	0.00	0.00	NC	0-10
Sodium	11800	10900	7.5	0-10
Strontium				
Thallium	0.674	4.47	554.1(a)	0-10
Tin				
Titanium				
Uranium				
Vanadium	0.00	0.00	NC	0-10
Zinc	155	165	6.4	0-10

Associated samples MP26788: N74914-9, N74914-10, N74914-11, N74914-12, N74914-13, N74914-14, N74914-15

SERIAL DILUTION RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26788
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

SERIAL DILUTION RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date: 08/16/04

Metal	N74914-9F Original	SDL 1:5	RPD	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	4.35	0.00	100.0(a)	0-10
Arsenic	0.00	0.00	NC	0-10
Barium	41.2	51.8	25.6*(b)	0-10
Beryllium	0.00	0.00	NC	0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	45200	44600	1.4	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	1.63	8.71	434.4(a)	0-10
Iron	995	934	6.2	0-10
Lithium				
Lead	0.00	0.00	NC	0-10
Magnesium	9550	9620	0.8	0-10
Manganese	668	664	0.7	0-10
Mercury				
Molybdenum				
Nickel	0.00	0.00	NC	0-10
Palladium				
Potassium	1840	1060	42.3*(b)	0-10
Selenium	2.09	0.00	100.0(a)	0-10
Silicon				
Silver	0.00	3.66	NC	0-10
Sodium	12600	12100	3.8	0-10
Strontium				
Thallium	0.642	4.38	570.0(a)	0-10
Tin				
Titanium				
Uranium				
Vanadium	0.00	0.00	NC	0-10
Zinc	155	158	2.4	0-10

Associated samples MP26789: N74914-9F, N74914-10F, N74914-11F, N74914-12F, N74914-13F, N74914-14F, N74914-15F

SERIAL DILUTION RESULTS SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

QC Batch ID: MP26789
Matrix Type: AQUEOUS

Methods: SW846 6010B, SW846 6020
Units: ug/l

Prep Date:

Metal

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

Instrument Detection Limits

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: ICPMS1 **Effective Date:** 07/01/04

Analyte	IDL ug/l
Aluminum	2.86
Antimony	.103
Arsenic	.565
Barium	.051
Beryllium	.035
Boron	.696
Cadmium	.088
Calcium	25.1
Chromium	.115
Cobalt	.029
Copper	1.18
Iron	2.81
Lead	.081
Magnesium	3.78
Manganese	.202
Molybdenum	.146
Nickel	.264
Potassium	22.2
Selenium	.939
Silver	.177
Sodium	28.35
Strontium	.11
Thallium	.0535
Tin	.0346
Titanium	.129
Vanadium	1.08
Zinc	3.79

The above applies to the following instrument runs:
MA14290,MA14300

Instrument Detection Limits

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: LEEMANHG1 **Effective Date:** 06/17/04

Analyte	IDL ug/l
Mercury	.0454

The above applies to the following instrument runs:
MA14287,MA14311

Instrument Detection Limits

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: TJATRACE1 **Effective Date:** 05/21/04

Analyte	IDL ug/l
Aluminum	45.5
Antimony	3.9
Arsenic	4.5
Barium	1.4
Beryllium	.2
Cadmium	.4
Calcium	34.2
Chromium	.9
Cobalt	.8
Copper	1
Iron	29.1
Lead	2
Magnesium	29.1
Manganese	.3
Nickel	2.3
Potassium	23.8
Selenium	4.5
Silver	.6
Sodium	271.5
Thallium	5.1
Vanadium	1.4
Zinc	3.1

The above applies to the following instrument runs:
MA14306

Instrument Detection Limits

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: TJATRACE2 **Effective Date:** 08/03/04

Analyte	IDL ug/l
Aluminum	35.8
Antimony	4.1
Arsenic	5.7
Barium	1.2
Beryllium	.2
Boron	1.3
Cadmium	.5
Calcium	146
Chromium	.9
Cobalt	.7
Copper	.9
Iron	21.5
Lead	2.1
Magnesium	32.9
Manganese	.8
Molybdenum	1.1
Nickel	3
Palladium	2.3
Potassium	11
Selenium	5.6
Silicon	11.6
Silver	.6
Sodium	106
Strontium	.4
Thallium	5.6
Tin	1.6
Titanium	.3
Vanadium	.5
Zinc	4.6

The above applies to the following instrument runs:
MA14307

Instrument Detection Limits

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: TJATRACE3 **Effective Date:** 06/11/04

Analyte	IDL ug/l
Aluminum	9.9
Antimony	3.2
Arsenic	2.6
Barium	.4
Beryllium	.1
Cadmium	.3
Calcium	9.1
Chromium	.8
Cobalt	.9
Copper	.9
Iron	18.4
Lead	1.4
Magnesium	8.7
Manganese	.2
Nickel	1.1
Palladium	2.7
Potassium	11.6
Selenium	1.8
Silicon	7.7
Silver	.7
Sodium	169.8
Thallium	4.5
Tin	2.3
Vanadium	1
Zinc	.9

The above applies to the following instrument runs:
MA14285,MA14302

Instrument Linear Ranges

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: ICPMS1 **Effective Date:** 07/21/04

Analyte	Linear Range ug/l
Aluminum	100000
Antimony	500
Arsenic	500
Barium	500
Beryllium	500
Boron	500
Cadmium	500
Calcium	100000
Chromium	500
Cobalt	500
Copper	500
Iron	100000
Lead	500
Magnesium	100000
Manganese	500
Molybdenum	500
Nickel	500
Potassium	100000
Selenium	500
Silver	500
Sodium	100000
Strontium	500
Thallium	500
Tin	500
Titanium	500
Vanadium	500
Zinc	500

The above applies to the following instrument runs:
MA14290,MA14300

Instrument Linear Ranges

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: TJATRACE1 **Effective Date:** 05/21/04

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	50000
Barium	25000
Beryllium	10000
Cadmium	25000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	1000000
Lead	50000
Magnesium	1000000
Manganese	50000
Nickel	50000
Potassium	500000
Selenium	50000
Silver	1000
Sodium	400000
Thallium	50000
Vanadium	50000
Zinc	10000

The above applies to the following instrument runs:
MA14306

Instrument Linear Ranges

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: TJATRACE2 **Effective Date:** 08/03/04

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	50000
Barium	50000
Beryllium	25000
Boron	50000
Cadmium	50000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	1000000
Lead	50000
Magnesium	1000000
Manganese	50000
Molybdenum	60000
Nickel	50000
Palladium	50000
Potassium	1000000
Selenium	50000
Silicon	50000
Silver	1000
Sodium	500000
Strontium	20000
Thallium	50000
Tin	50000
Titanium	50000
Vanadium	50000
Zinc	50000

The above applies to the following instrument runs:
MA14307

Instrument Linear Ranges

Job Number: N74914
Account: ENSRMAA ENSR Consulting & Engineering
Project: Former Camp Butner, NC

Instrument ID: TJATRACE3 **Effective Date:** 06/11/04

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	50000
Arsenic	25000
Barium	25000
Beryllium	25000
Cadmium	25000
Calcium	1000000
Chromium	50000
Cobalt	50000
Copper	50000
Iron	1000000
Lead	50000
Magnesium	1000000
Manganese	25000
Nickel	50000
Palladium	50000
Potassium	500000
Selenium	50000
Silicon	50000
Silver	1000
Sodium	750000
Thallium	50000
Tin	50000
Vanadium	50000
Zinc	50000

The above applies to the following instrument runs:
MA14285,MA14302

ICP-MS Correction Factors

for run MA14290, 14300

ACCUTEST

	Mass and Element	Correction Equation	Additional masses to monitor	Correction Equation	Additional masses to monitor	Correction Equation	Run ID	Date	Analyst
							19215	7/29/04	[illegible]
ANALYTICAL MASSES	7Li								
	9Be								
	11B		10B						
	23Na								
	25Mg		26Mg						
	27Al								
	39K								
	43Ca		44Ca						
	47Ti								
	51V	-3.0[illegible] x 53ClO							
	52Cr	-0.0050 x 13C	53Cr	-1.000 x 53ClO					
	55Mn	-0.001 x 57Fe							
	56Fe	-0.015 x 43Ca	57Fe						
	59Co	-0.004 x 43Ca							
	60Ni	-0.002 x 43Ca	62Ni						
	65Cu	-0.003 x 47Ti	63Cu						
	66Zn	-0.006 x 47Ti	67Zn		68Zn				
	75As	-3.0 x ArCl							
	82Se	-1.001 x 83Kr	77Se		78Se				
	88Sr								
	95Mo		97Mo		98Mo				
	105Pd								
	107Ag		109Ag						
	111Cd	-0.982 x 108MoO	106Cd		108Cd				
					114Cd	-0.027 x 118Sn -1.197 MoO			
	118Sn								
	121Sb		123Sb						
	137Ba								
	202Hg								
	205Tl		203Tl						
	208Pb	206 +207+208							
	238U								
POLY-ATOMICS	51ClO	-0.114 x 52Cr							
	77ArCl	-0.84 x 78Se							
	108MoO	-0.712 x 106Cd							
INTERNAL STDS	6Li	-0.081 x 7Li							
	45Sc								
	83Kr								
	89Y								
	103Rh								
	115In	-0.014 x 118Sn							
	159Tb								
	165Ho								
	209Bi								

Reviewed by:_____ Date:_____

FN: AA049
Rev. Date: 3/17/03

1130

AEL 8/5/04

Element:	Ba	Be	Cd	Co	Cr
Wavelength:	493.409	313.042	226.502/2	228.616	267.714
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	1	1	5	1	4
Affecting Element:	Fe2714	V 2924	Fe2714	Mo2020	Mo2020
k1 factor:	.000013	.000147	.000107	.001326	-.00031
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	--n/a--	--n/a--	Co2286	--n/a--	Al3082
k1 factor:	--n/a--	--n/a--	-.00008	--n/a--	.000003
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	YES	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	Mo2020	--n/a--	Mg2790
k1 factor:	--n/a--	--n/a--	-.00008	--n/a--	0
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	YES	--n/a--	NO
Affecting Element:	--n/a--	--n/a--	Ni2316	--n/a--	Fe2714
k1 factor:	--n/a--	--n/a--	-.00006	--n/a--	.000005
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	YES	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	Al3082	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.000006	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	Cu	Mn	Ni	Ag	V
Wavelength:	324.754	257.610	231.604/2	328.068	292.402
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	3	0	3	4	3
Affecting Element:	Fe2714	--n/a--	Co2286	V 2924	Cr2677
k1 factor:	.000005	--n/a--	-.00074	.000058	.000038
k2 factor:	0	--n/a--	0	0	0
use?:	YES	--n/a--	YES	YES	YES
Affecting Element:	Mo2020	--n/a--	Mo2020	Mn2576	Mo2020
k1 factor:	.000346	--n/a--	-.00002	.000082	-.00033
k2 factor:	0	--n/a--	0	0	0
use?:	YES	--n/a--	YES	YES	YES

IEC for rnn MA14307

Affecting Element:	Ti3349	--n/a--	Al3082	Ca3179	Fe2714
k1 factor:	-.0001	--n/a--	.000001	-------	.000016
k2 factor:	0	--n/a--	0	0	0
use?:	YES	--n/a--	YES	YES	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	Fe2714	--n/a--
k1 factor:	--n/a--	--n/a--	--n/a--	-------	--n/a--
k2 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	--n/a--	YES	--n/a--

Element:	Zn	As	Tl	Sm	Sm
Wavelength:	206.200	189.042/2	190.864/2	220.353	196.026
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	6	7	8	2	2
Affecting Element:	Ni2316	V 2924	Ti3349	2203/1	1960/1
k1 factor:	.00025	.00006	-.00116	-.333	-.333
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	Fe2714	Cr2677	Co2286	2203/2	1960/2
k1 factor:	-.00003	.00006	-.00174	-.667	-.667
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	Cr2677	Mo2020	Mn2576	--n/a--	--n/a--
k1 factor:	.000004	.000224	.000096	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	Mo2020	Fe2714	V 2924	--n/a--	--n/a--
k1 factor:	.000462	-------	-.00237	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	Mg2790	Pd3404	Fe2714	--n/a--	--n/a--
k1 factor:	.000003	.021195	-.00074	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	Mn2576	Al3082	Cr2677	--n/a--	--n/a--
k1 factor:	-.00029	-------	.00022	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--

Affecting Element:	--n/a--	Ca3179	Mo2020	--n/a--	--n/a--
k1 factor:	--n/a--	.000008	-.00006	--n/a--	--n/a--
k2 factor:	--n/a--	0	0	--n/a--	--n/a--
e?:	--n/a--	YES	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	--n/a--	Al3082	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.000006	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	Sb	Al	Ca	Fe	Mg
Wavelength:	206.838/2	308.215	317.933	271.441	279.079
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	7	2	0	7	0
Affecting Element:	Cr2677	Mo2020	--n/a--	V 2924	--n/a--
k1 factor:	.007759	.007476	--n/a--	.00389	--n/a--
k2 factor:	0	0	--n/a--	0	--n/a--
use?:	YES	YES	--n/a--	YES	--n/a--
Affecting Element:	Fe2714	V 2924	--n/a--	Cu3247	--n/a--
k1 factor:	.000018	.01066	--n/a--	-.0004	--n/a--
k2 factor:	0	0	--n/a--	0	--n/a--
use?:	YES	YES	--n/a--	YES	--n/a--
Affecting Element:	Mo2020	--n/a--	--n/a--	Mo2020	--n/a--
k1 factor:	-.00599	--n/a--	--n/a--	.00075	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	YES	--n/a--	--n/a--	YES	--n/a--
Affecting Element:	V 2924	--n/a--	--n/a--	Cr2677	--n/a--
k1 factor:	.00003	--n/a--	--n/a--	-.00023	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	YES	--n/a--	--n/a--	YES	--n/a--
Affecting Element:	Mg2790	--n/a--	--n/a--	Co2286	--n/a--
k1 factor:	.000015	--n/a--	--n/a--	.06665	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	YES	--n/a--	--n/a--	YES	--n/a--
Affecting Element:	Al3082	--n/a--	--n/a--	Mn2576	--n/a--
k1 factor:	-.00006	--n/a--	--n/a--	.016198	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
use?:	NO	--n/a--	--n/a--	YES	--n/a--

Affecting Element:	Mn2576	--n/a--	--n/a--	Mg2790	--n/a--
k1 factor:	.000034	--n/a--	--n/a--	-.00021	--n/a--
k2 factor:	0	--n/a--	--n/a--	0	--n/a--
e?:	YES	--n/a--	--n/a--	YES	--n/a--

Element:	K	Na	B	Mo	Pd
Wavelength:	766.491	330.232	249.678/2	202.030/2	340.458
Use IECs:	YES	NO	YES	YES	YES
Number of IECs:	0	4	6	2	4
Affecting Element:	--n/a--	Fe2714	Fe2714	Cu3247	Al3082
k1 factor:	--n/a--	-.00757	.00003	.000062	-------
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	YES
Affecting Element:	--n/a--	Ca3179	Mn2576	Al3082	Ca3179
k1 factor:	--n/a--	.000493	.000176	.000001	.000003
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	YES
Affecting Element:	--n/a--	Mg2790	Ca3179	--n/a--	Fe2714
k1 factor:	--n/a--	.000894	.000004	--n/a--	-.00002
k2 factor:	--n/a--	0	0	--n/a--	0
use?:	--n/a--	YES	YES	--n/a--	YES
Affecting Element:	--n/a--	Zn2062	V 2924	--n/a--	Mg2790
k1 factor:	--n/a--	-.2288	.000625	--n/a--	-------
k2 factor:	--n/a--	0	0	--n/a--	0
use?:	--n/a--	YES	YES	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	Mo2020	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.000034	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	--n/a--	Mg2790	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.000008	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	Si	Sn	Sr	Ti	Pb
Wavelength:	288.158	189.989	421.552	334.941	220.351
e IECs:	YES	YES	YES	YES	YES
mber of IECs:	6	2	1	0	9
Affecting Element:	Ca3179	Fe2714	Ca3179	--n/a--	Al3082
k1 factor:	-.00004	.000011	.00002	--n/a--	.000381
k2 factor:	0	0	0	--n/a--	0
use?:	YES	YES	YES	--n/a--	YES
Affecting Element:	Mg2790	Mo2020	--n/a--	--n/a--	Mn2576
k1 factor:	-.00002	.00038	--n/a--	--n/a--	.000204
k2 factor:	0	0	--n/a--	--n/a--	0
use?:	YES	YES	--n/a--	--n/a--	YES
Affecting Element:	Fe2714	--n/a--	--n/a--	--n/a--	Mo2020
k1 factor:	.000376	--n/a--	--n/a--	--n/a--	-.00042
k2 factor:	0	--n/a--	--n/a--	--n/a--	0
use?:	YES	--n/a--	--n/a--	--n/a--	YES
Affecting Element:	Al3082	--n/a--	--n/a--	--n/a--	Fe2714
k1 factor:	.0001	--n/a--	--n/a--	--n/a--	.000084
k2 factor:	0	--n/a--	--n/a--	--n/a--	0
use?:	YES	--n/a--	--n/a--	--n/a--	YES
fecting Element:	Ba4934	--n/a--	--n/a--	--n/a--	V 2924
k1 factor:	.007162	--n/a--	--n/a--	--n/a--	-.00011
k2 factor:	0	--n/a--	--n/a--	--n/a--	0
use?:	YES	--n/a--	--n/a--	--n/a--	YES
Affecting Element:	Mo2020	--n/a--	--n/a--	--n/a--	Co2286
k1 factor:	.004	--n/a--	--n/a--	--n/a--	.0002
k2 factor:	0	--n/a--	--n/a--	--n/a--	0
use?:	YES	--n/a--	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Ni2316
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	.000557
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Ca3179
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	-------
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES

Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Ti3349
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	.00006
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES

Element:	Pb	Se	Se
Wavelength:	220.352/2	196.021	196.022/2
Use IECs:	YES	YES	YES
Number of IECs:	7	7	7
Affecting Element:	Al3082	Mo2020	Mo2020
k1 factor:	-.0002	.000112	.000163
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Ca3179	V 2924	Mn2576
k1 factor:	.000002	.0001	.000558
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Mo2020	Al3082	V 2924
k1 factor:	-.00121	.000006	-.00021
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Fe2714	Fe2714	Fe2714
k1 factor:	.000048	-.00007	-.00058
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Mn2576	Mn2576	Co2286
k1 factor:	.000082	.000687	-.00115
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Ti3349	Ca3179	Ca3179
k1 factor:	-.00095	.000007	-.00001
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Pd3404	Co2286	Al3082
k1 factor:	.0005	.00014	.000005
k2 factor:	0	0	0
use?:	YES	YES	YES

Element:	Ba	Be	Cd	Co	Cr
Wavelength:	493.409	313.042	226.502	228.616	267.716
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	0	4	3	3	4
Affecting Element:	--n/a--	Cu3247	Al3082	Ni2316	Fe2714
k1 factor:	--n/a--	-.00002	.000015	.000218	-.00002
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	YES
Affecting Element:	--n/a--	Cr2677	Fe2714	Cr2677	V_2924
k1 factor:	--n/a--	-.00001	.000134	-.00001	.000111
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	NO
Affecting Element:	--n/a--	Mn2576	Co2286	Ba4934	Mn2576
k1 factor:	--n/a--	.000093	-.0001	.000032	.000124
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	YES
Affecting Element:	--n/a--	V 2924	--n/a--	--n/a--	Ba4934
k1 factor:	--n/a--	-.00005	--n/a--	--n/a--	.00006
k2 factor:	--n/a--	0	--n/a--	--n/a--	0
use?:	--n/a--	YES	--n/a--	--n/a--	YES

Element:	Cu	Mn	Ni	Ag	V
Wavelength:	324.753	257.610	231.604/2	328.068	292.402
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	8	6	5	5	4
Affecting Element:	Fe2714	Co2286	V_2924	Cu3247	Fe2714
k1 factor:	.000007	.000039	-.00001	-.00003	.000028
k2 factor:	0	0	0	0	0
use?:	YES	YES	NO	YES	YES
Affecting Element:	Cr2677	Al3082	Co2286	Mn2576	Mn2576
k1 factor:	-.00007	.000006	-.00036	.000096	-.0001
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	Al3082	Cr2677	Fe2714	Fe2714	Zn2138
k1 factor:	.000007	.000016	.000001	-.00001	.0007
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES

IEC for run MA 14306

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Affecting Element:	Ca3179	V 2924	Al3082	V 2924	Mg2790
k1 factor:	-------	.000036	-------	.000051	-------
k2 factor:	0	0	0	0	0
use?:	YES	YES	NO	YES	YES
Affecting Element:	Ni2316	Fe2714	Ba4934	Ba4934	--n/a--
k1 factor:	.000055	-.00005	.00044	-.00004	--n/a--
k2 factor:	0	0	0	0	--n/a--
use?:	YES	YES	YES	YES	--n/a--
Affecting Element:	Mn2576	Ni2316	--n/a--	--n/a--	--n/a--
k1 factor:	-.00002	.00016	--n/a--	--n/a--	--n/a--
k2 factor:	0	0	--n/a--	--n/a--	--n/a--
use?:	YES	YES	--n/a--	--n/a--	--n/a--
Affecting Element:	V 2924	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	-.00001	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--
Affecting Element:	Mg2790	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	.000001	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--

Element:	Zn	As	Tl	S	S
Wavelength:	213.856/2	189.042/2	190.861	220.353	196.026
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	5	7	8	2	2
Affecting Element:	Fe2714	Al3082	Fe2714	2203/1	1960/1
k1 factor:	.000109	.001438	-.00005	-.333	-.333
k2 factor:	0	0	0	0	0
use?:	YES	NO	YES	YES	YES
Affecting Element:	Co2286	Cr2677	Al3082	2203/2	1960/2
k1 factor:	-.00008	-.0063	-.00002	-.667	-.667
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	Al3082	Ba4934	V 2924	--n/a--	--n/a--
k1 factor:	.000008	.0002	.001823	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--

Affecting Element:	Ni2316	Mn2576	Mn2576	--n/a--	--n/a--
k1 factor:	.00515	.000071	.000199	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	V 2924	Ca3179	Ca3179	--n/a--	--n/a--
k1 factor:	.000001	.000004	-.00001	--n/a--	--n/a--
k2 factor:	0	0	0	--n/a--	--n/a--
use?:	YES	YES	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	Fe2714	Mg2790	--n/a--	--n/a--
k1 factor:	--n/a--	.000003	.000002	--n/a--	--n/a--
k2 factor:	--n/a--	0	0	--n/a--	--n/a--
use?:	--n/a--	YES	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	V 2924	Cr2677	--n/a--	--n/a--
k1 factor:	--n/a--	-.00001	.00025	--n/a--	--n/a--
k2 factor:	--n/a--	0	0	--n/a--	--n/a--
use?:	--n/a--	YES	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	--n/a--	Co2286	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.002866	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	S	Al	Ca	Fe	Mg
Wavelength:	206.838	308.215	317.933	271.441	279.078
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	2	9	3	7	1
Affecting Element:	2068/1	Fe2714	Fe2714	Al3082	Fe2714
k1 factor:	-.333	-------	.000028	.000287	-.00013
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	2068/2	Mg2790	Mg2790	Mn2576	--n/a--
k1 factor:	-.667	.000036	.000452	.000114	--n/a--
k2 factor:	0	0	0	0	--n/a--
use?:	YES	YES	YES	YES	--n/a--
Affecting Element:	--n/a--	Ca3179	Al3082	Cr2677	--n/a--
k1 factor:	--n/a--	-.00008	.000073	.00063	--n/a--
k2 factor:	--n/a--	0	0	0	--n/a--
use?:	--n/a--	YES	YES	YES	--n/a--

Affecting Element:	--n/a--	Cu3247	--n/a--	Co2286	--n/a--
k1 factor:	--n/a--	.010612	--n/a--	.095	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	NO	--n/a--	YES	--n/a--
Affecting Element:	--n/a--	Cr2677	--n/a--	Ca3179	--n/a--
k1 factor:	--n/a--	.012067	--n/a--	.000074	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	NO	--n/a--	YES	--n/a--
Affecting Element:	--n/a--	Mn2576	--n/a--	Mg2790	--n/a--
k1 factor:	--n/a--	.443	--n/a--	-.00061	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	NO	--n/a--	YES	--n/a--
Affecting Element:	--n/a--	V 2924	--n/a--	V 2924	--n/a--
k1 factor:	--n/a--	.028139	--n/a--	.007518	--n/a--
k2 factor:	--n/a--	0	--n/a--	0	--n/a--
use?:	--n/a--	YES	--n/a--	YES	--n/a--
Affecting Element:	--n/a--	Co2286	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	.005	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	NO	--n/a--	--n/a--	--n/a--
Affecting Element:	--n/a--	Be3130	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	.0324	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	YES	--n/a--	--n/a--	--n/a--

Element:	K	Na	Pb	Pb	Se
Wavelength:	766.491	330.232	220.351	220.352/2	196.021
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	0	3	11	11	9
Affecting Element:	--n/a--	Zn2138	Al3082	Al3082	Co2286
k1 factor:	--n/a--	-.15	.0004	-.00017	-.0007
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	NO
Affecting Element:	--n/a--	Fe2714	V 2924	Ni2316	Fe2714
k1 factor:	--n/a--	-.00408	-.0001	.000176	-------
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	YES

Affecting Element:	--n/a--	Ca3179	Fe2714	Fe2714	Cr2677
k1 factor:	--n/a--	-.00067	.000052	.000042	.000272
k2 factor:	--n/a--	0	0	0	0
use?:	--n/a--	YES	YES	YES	NO
Affecting Element:	--n/a--	--n/a--	Ni2316	Mn2576	Mn2576
k1 factor:	--n/a--	--n/a--	.000297	.00011	.000024
k2 factor:	--n/a--	--n/a--	0	0	0
use?:	--n/a--	--n/a--	YES	YES	YES
Affecting Element:	--n/a--	--n/a--	Mn2576	V 2924	V 2924
k1 factor:	--n/a--	--n/a--	.000033	-.0006	.000428
k2 factor:	--n/a--	--n/a--	0	0	0
use?:	--n/a--	--n/a--	YES	YES	YES
Affecting Element:	--n/a--	--n/a--	Cu3247	Cu3247	Al3082
k1 factor:	--n/a--	--n/a--	.0008	-.0002	.000004
k2 factor:	--n/a--	--n/a--	0	0	0
use?:	--n/a--	--n/a--	YES	YES	YES
Affecting Element:	--n/a--	--n/a--	Cr2677	Cr2677	Ni2316
k1 factor:	--n/a--	--n/a--	-.00003	.000011	.00034
k2 factor:	--n/a--	--n/a--	0	0	0
use?:	--n/a--	--n/a--	YES	YES	NO
Affecting Element:	--n/a--	--n/a--	Ca3179	Ca3179	Mg2790
k1 factor:	--n/a--	--n/a--	-------	-.00001	.000006
k2 factor:	--n/a--	--n/a--	0	0	0
use?:	--n/a--	--n/a--	YES	YES	YES
Affecting Element:	--n/a--	--n/a--	Mg2790	Mg2790	Ca3179
k1 factor:	--n/a--	--n/a--	.000003	-------	-.00001
k2 factor:	--n/a--	--n/a--	0	0	0
use?:	--n/a--	--n/a--	YES	YES	YES
Affecting Element:	--n/a--	--n/a--	Ba4934	Ba4934	--n/a--
k1 factor:	--n/a--	--n/a--	-.00032	.00028	--n/a--
k2 factor:	--n/a--	--n/a--	0	0	--n/a--
use?:	--n/a--	--n/a--	YES	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	Co2286	Co2286	--n/a--
k1 factor:	--n/a--	--n/a--	.00012	.00002	--n/a--
k2 factor:	--n/a--	--n/a--	0	0	--n/a--
use?:	--n/a--	--n/a--	YES	YES	--n/a--

Element:	Se	Sb	Sb
Wavelength:	196.022/2	206.831	206.832/2
Use IECs:	YES	YES	YES
Number of IECs:	9	8	8
Affecting Element:	Fe2714	Fe2714	Fe2714
k1 factor:	-.00033	.000041	.000037
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	V 2924	Cr2677	Cr2677
k1 factor:	-.00014	.01304	.00822
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Mn2576	Ni2316	V 2924
k1 factor:	.000281	-.00162	.00011
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Al3082	V 2924	Mn2576
k1 factor:	-------	-.00314	.000034
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Co2286	Mn2576	Mg2790
k1 factor:	-.00062	.000087	-------
k2 factor:	0	0	0
use?:	YES	YES	YES
Affecting Element:	Cr2677	Mg2790	Al3082
k1 factor:	-.00051	.000003	-------
k2 factor:	0	0	0
use?:	NO	YES	YES
Affecting Element:	Ni2316	Al3082	Ca3179
k1 factor:	-.00027	.000016	-------
k2 factor:	0	0	0
use?:	NO	YES	YES
Affecting Element:	Ca3179	Ca3179	Ni2316
k1 factor:	-------	.000014	.00004
k2 factor:	0	0	0
use?:	YES	YES	YES

Affecting Element:	Mg2790	--n/a--	--n/a--
k1 factor:	-------	--n/a--	--n/a--
a1 factor:	0	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--

TRACE 3 7/14/04 (RR)
Ca+Fe

ement:	Ba	Be	Cd	Co	Cr
velength:	493.409	313.042	226.502/2	228.616	267.716
) IECs:	YES	YES	YES	YES	YES
ıber of IECs:	0	2	3	2	2
fecting Element:	--n/a--	V 2924	Fe2714	Mo2020	Al3082
factor:	--n/a--	.000323	.000098	-.00083	.000006
factor:	--n/a--	0	0	0	0
e?:	--n/a--	YES	YES	YES	YES
fecting Element:	--n/a--	Mo2020	Al3082	Fe2714	V 2924
factor:	--n/a--	-.00044	.000021	-.00002	-.00038
factor:	--n/a--	0	0	0	0
e?:	--n/a--	YES	YES	YES	YES
fecting Element:	--n/a--	--n/a--	Ni2316	--n/a--	--n/a--
factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
e?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

ement:	Cu	Mn	Ni	Ag	V
velength:	324.753	257.610	231.604/2	328.068	292.402
) IECs:	YES	YES	YES	YES	YES
ber of IECs:	2	0	1	2	3
fecting Element:	Fe2714	--n/a--	V 2924	Mo2020	Fe2714
factor:	.000006	--n/a--	-.00066	-.00013	-.00041
factor:	0	--n/a--	0	0	0
e?:	YES	--n/a--	YES	YES	YES
fecting Element:	Mo2020	--n/a--	--n/a--	V 2924	Mo2020
factor:	.000318	--n/a--	--n/a--	-.00052	.000266
factor:	0	--n/a--	--n/a--	0	0
e?:	YES	--n/a--	--n/a--	YES	YES
fecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Cr2677
factor:	--n/a--	--n/a--	--n/a--	--n/a--	-.0014
factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
e?:	--n/a--	--n/a--	--n/a--	--n/a--	YES

IEC for run MA14285, MA14302

ement:	Zn	As	Tl	Sm	Sm
velength:	206.200	189.042/2	190.864/2	220.353	196.026
IECs:	YES	YES	YES	YES	YES
nber of IECs:	5	7	6	2	2
fecting Element:	Fe2714	Pd3404	Fe2714	2203/1	1960/1
factor:	.000021	.022	.001337	-.33333	-.33333
factor:	0	0	0	0	0
e?:	YES	YES	YES	YES	YES
fecting Element:	Ca3179	Mo2020	Mg2790	2203/2	1960/2
factor:	.000002	-.00007	.000006	-.66667	-.66667
factor:	0	0	0	0	0
e?:	YES	YES	YES	YES	YES
fecting Element:	Al3082	V 2924	V 2924	--n/a--	--n/a--
factor:	-------	.000011	-.00102	--n/a--	--n/a--
factor:	0	0	0	--n/a--	--n/a--
e?:	YES	YES	YES	--n/a--	--n/a--
fecting Element:	Mo2020	Fe2714	Al3082	--n/a--	--n/a--
factor:	.000305	-------	-.00001	--n/a--	--n/a--
factor:	0	0	0	--n/a--	--n/a--
e?:	YES	YES	YES	--n/a--	--n/a--
fecting Element:	V 2924	Cr2677	Ca3179	--n/a--	--n/a--
factor:	-.0009	-.00377	.000009	--n/a--	--n/a--
factor:	0	0	0	--n/a--	--n/a--
e?:	YES	YES	YES	--n/a--	--n/a--
fecting Element:	--n/a--	Se1960	Mn2576	--n/a--	--n/a--
factor:	--n/a--	0	-.0006	--n/a--	--n/a--
factor:	--n/a--	0	0	--n/a--	--n/a--
e?:	--n/a--	YES	YES	--n/a--	--n/a--
fecting Element:	--n/a--	Al3082	--n/a--	--n/a--	--n/a--
factor:	--n/a--	.000001	--n/a--	--n/a--	--n/a--
factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
e?:	--n/a--	YES	--n/a--	--n/a--	--n/a--

ement:	Sb	Al	Ca	Fe	Mg
velength:	206.838/2	308.215	317.933	271.441	279.078
e IECs:	YES	NO	YES	YES	YES
nber of IECs:	6	3	0	2	0
fecting Element:	Fe2714	Mo2020	--n/a--	Mo2020	--n/a--
factor:	.000043	.010689	--n/a--	.000685	--n/a--
factor:	0	0	--n/a--	0	--n/a--
e?:	YES	YES	--n/a--	YES	--n/a--
fecting Element:	V 2924	V 2924	--n/a--	V 2924	--n/a--
factor:	-.00196	-.02184	--n/a--	.101477	--n/a--
factor:	0	0	--n/a--	0	--n/a--
e?:	YES	YES	--n/a--	YES	--n/a--
fecting Element:	Cr2677	Mg2790	--n/a--	--n/a--	--n/a--
factor:	.00255	-.00023	--n/a--	--n/a--	--n/a--
factor:	0	0	--n/a--	--n/a--	--n/a--
e?:	YES	YES	--n/a--	--n/a--	--n/a--
fecting Element:	Al3082	--n/a--	--n/a--	--n/a--	--n/a--
factor:	-.00002	--n/a--	--n/a--	--n/a--	--n/a--
factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
e?:	YES	--n/a--	--n/a--	--n/a--	--n/a--
fecting Element:	Ca3179	--n/a--	--n/a--	--n/a--	--n/a--
factor:	.000005	--n/a--	--n/a--	--n/a--	--n/a--
factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
e?:	YES	--n/a--	--n/a--	--n/a--	--n/a--
fecting Element:	Mg2790	--n/a--	--n/a--	--n/a--	--n/a--
factor:	.000002	--n/a--	--n/a--	--n/a--	--n/a--
factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
e?:	YES	--n/a--	--n/a--	--n/a--	--n/a--

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ement:	K	Na	Mo	Pd	Si
velength:	766.491	330.232	202.030	340.458	288.158
e IECs:	YES	YES	YES	YES	YES
nber of IECs:	1	7	2	0	2
fecting Element:	Al3082	Ca3179	V 2924	--n/a--	V 2924
factor:	-.00023	-.00076	-.00055	--n/a--	-.008
factor:	0	0	0	--n/a--	0
e?:	YES	YES	YES	--n/a--	YES

fecting Element:	--n/a--	Fe2714	Fe2714	--n/a--	Mo2020
factor:	--n/a--	-.00276	-.00001	--n/a--	.008
factor:	--n/a--	0	0	--n/a--	0
e?:	--n/a--	YES	YES	--n/a--	YES
fecting Element:	--n/a--	V 2924	--n/a--	--n/a--	--n/a--
factor:	--n/a--	-.01376	--n/a--	--n/a--	--n/a--
factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
e?:	--n/a--	YES	--n/a--	--n/a--	--n/a--
fecting Element:	--n/a--	Mo2020	--n/a--	--n/a--	--n/a--
factor:	--n/a--	-.028	--n/a--	--n/a--	--n/a--
factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
e?:	--n/a--	YES	--n/a--	--n/a--	--n/a--
fecting Element:	--n/a--	Mg2790	--n/a--	--n/a--	--n/a--
factor:	--n/a--	.000698	--n/a--	--n/a--	--n/a--
factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
e?:	--n/a--	YES	--n/a--	--n/a--	--n/a--
fecting Element:	--n/a--	Zn2062	--n/a--	--n/a--	--n/a--
factor:	--n/a--	-.0928	--n/a--	--n/a--	--n/a--
factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
e?:	--n/a--	YES	--n/a--	--n/a--	--n/a--
fecting Element:	--n/a--	Al3082	--n/a--	--n/a--	--n/a--
factor:	--n/a--	-.0003	--n/a--	--n/a--	--n/a--
factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
e?:	--n/a--	YES	--n/a--	--n/a--	--n/a--

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ement:	Sn	Pb	Pb	Se	Se
velength:	189.989	220.351	220.352/2	196.021	196.022/2
e IECs:	YES	YES	YES	YES	YES
nber of IECs:	2	8	8	6	6
fecting Element:	Cr2677	Fe2714	Fe2714	Mn2576	Fe2714
factor:	-.00012	.000072	.00006	.000291	-.00037
factor:	0	0	0	0	0
e?:	YES	YES	YES	YES	YES
fecting Element:	Mo2020	Al3082	Al3082	Pd3404	Mn2576
factor:	.0012	.000367	-.00018	.000839	.0005
factor:	0	0	0	0	0
e?:	YES	YES	YES	YES	YES

fecting Element:	--n/a--	Mn2576	Mn2576	V 2924	Pd3404
factor:	--n/a--	.000018	.000146	.000535	-.00053
factor:	--n/a--	0	0	0	0
e?:	--n/a--	YES	YES	YES	YES
fecting Element:	--n/a--	Pd3404	Pd3404	Mo2020	V 2924
factor:	--n/a--	.000874	.00053	.000164	-.00026
factor:	--n/a--	0	0	0	0
e?:	--n/a--	YES	YES	YES	YES
fecting Element:	--n/a--	V 2924	V 2924	Fe2714	Al3082
factor:	--n/a--	.000233	-.00009	-.00002	.000004
factor:	--n/a--	0	0	0	0
e?:	--n/a--	YES	YES	YES	YES
fecting Element:	--n/a--	Mo2020	Mo2020	Al3082	Mg2790
factor:	--n/a--	-.00039	-.00104	.00001	-------
factor:	--n/a--	0	0	0	0
e?:	--n/a--	YES	YES	YES	YES
fecting Element:	--n/a--	Ca3179	Ca3179	--n/a--	--n/a--
factor:	--n/a--	.000004	-------	--n/a--	--n/a--
factor:	--n/a--	0	0	--n/a--	--n/a--
e?:	--n/a--	YES	YES	--n/a--	--n/a--
fecting Element:	--n/a--	Mg2790	Mg2790	--n/a--	--n/a--
factor:	--n/a--	.000002	-------	--n/a--	--n/a--
factor:	--n/a--	0	0	--n/a--	--n/a--
e?:	--n/a--	YES	YES	--n/a--	--n/a--

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	45000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	195	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	8310	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	108	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4553-UZZLERD		
Lab Sample ID:	N74914-1F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	44200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	190	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	8590	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	107	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	36700	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	1280	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	3.4	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	7000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	540	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	11000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	28.4	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-HESTERFARM		
Lab Sample ID:	N74914-2F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	37000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	266	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	7090	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	543	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	11200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	34.1	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10000	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	16200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	51.8	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	5490	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	39.9	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	406	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	6.3	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	11800	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	60.3	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4535-UZZLERD		
Lab Sample ID:	N74914-3F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	16600	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	208	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	391	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	9830	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID: RW0804-4578-UZZLERD
Lab Sample ID: N74914-4
Matrix: AQ - Ground Water
Project: Former Camp Butner, NC

Date Sampled: 08/11/04
Date Received: 08/12/04
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	8270	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4578-UZZLERD		
Lab Sample ID:	N74914-4F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	8120	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	14400	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	984	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	351	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	7640	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-627B-ENONRD		
Lab Sample ID:	N74914-5F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	15200	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	354	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	7790	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	11600	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	27.5	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	1140	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	3.6	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	46.6	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	5760	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	26.4	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4573-UZZLERD		
Lab Sample ID:	N74914-6F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	11600	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	534	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	43.9	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	5710	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	27.8	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7	**Date Sampled:**	08/11/04
Matrix:	AQ - Ground Water	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium	8120	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP2		
Lab Sample ID:	N74914-7F	**Date Sampled:**	08/11/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/12/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	JDM	SW846 6010B [4]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Calcium [a]	8120	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/16/04	08/16/04	WG	SW846 7470A [2]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Sodium [a]	<5000	5000	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/13/04	08/16/04	ND	SW846 6020 [3]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/13/04	ND	SW846 6010B [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA14285
(2) Instrument QC Batch: MA14287
(3) Instrument QC Batch: MA14290
(4) Instrument QC Batch: MA14306
(5) Prep QC Batch: MP26783
(6) Prep QC Batch: MP26795

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID: RW0804-6305-ISHAMCHAMBERS
Lab Sample ID: N74914-9
Matrix: AQ - Ground Water
Project: Former Camp Butner, NC

Date Sampled: 08/12/04
Date Received: 08/13/04
Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	43100	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	1000	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	9190	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	634	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	11800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	155	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-6305-ISHAMCHAMBERS		
Lab Sample ID:	N74914-9F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	45200	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	995	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	9550	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	668	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	12600	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	155	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26846

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	695	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	65200	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	50.4	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	3290	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	5.9	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	8510	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	310	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	17700	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	102	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4710-MORIAHRD		
Lab Sample ID:	N74914-10F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	59900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	7750	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	17900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	61.9	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	162	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	87100	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-4709-MORIAHRD		
Lab Sample ID:	N74914-11F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	90200	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	<20	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	354	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	15600	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	25.6	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	3210	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	222	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	16800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	156	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-5057-CLAYTONRD		
Lab Sample ID:	N74914-12F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	15400	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	403	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	216	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	16900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	147	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	6900	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	62.4	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	199	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	4.4	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	8800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	30.5	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-2202-TILLEYFARMRD		
Lab Sample ID:	N74914-13F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	7040	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	48.4	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	9310	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	37.3	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	260	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	40800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	<25	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	<100	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	<3.0	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	5610	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	108	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	17800	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	<20	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Report of Analysis

Client Sample ID:	RW0804-564-BETHANYCHURCH		
Lab Sample ID:	N74914-14F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium [a]	262	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium [a]	40700	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper [a]	<25	25	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron [a]	<100	100	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead [a]	<3.0	3.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium [a]	5610	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium [a]	18200	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc [a]	20.6	20	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26789
(6) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15	**Date Sampled:**	08/12/04
Matrix:	AQ - Ground Water	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	<200	200	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Antimony	<5.0	5.0	ug/l	1	08/13/04	08/18/04	LH	SW846 6010B [3]	SW846 3010A [5]
Arsenic	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Barium	<200	200	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Beryllium	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Cadmium	<4.0	4.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Calcium	6710	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Chromium	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Cobalt	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Copper	75.9	25	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Iron	185	100	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Lead	3.8	3.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Magnesium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Manganese	<15	15	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Mercury	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [4]	SW846 7470A [6]
Nickel	<40	40	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Potassium	<5000	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Selenium	<5.0	5.0	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Silver	<10	10	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Sodium	9010	5000	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Thallium	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [5]
Vanadium	<50	50	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]
Zinc	56.2	20	ug/l	1	08/13/04	08/17/04	ND	SW846 6010B [2]	SW846 3010A [5]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14307
(4) Instrument QC Batch: MA14311
(5) Prep QC Batch: MP26788
(6) Prep QC Batch: MP26845

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	RW0804-FIELDDUP3		
Lab Sample ID:	N74914-15F	**Date Sampled:**	08/12/04
Matrix:	AQ - Groundwater Filtered	**Date Received:**	08/13/04
		Percent Solids:	n/a
Project:	Former Camp Butner, NC		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum [a]	<200	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Antimony [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Arsenic [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Barium [a]	<200	200	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Beryllium [a]	<2.0	2.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [4]
Cadmium [a]	<4.0	4.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Calcium [a]	6770	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Chromium [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Cobalt [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Copper [a]	63.5	25	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Iron [a]	<100	100	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Lead [a]	3.4	3.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Magnesium [a]	<5000	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Manganese [a]	<15	15	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Mercury [a]	<0.20	0.20	ug/l	1	08/18/04	08/19/04	MKW	SW846 7470A [3]	SW846 7470A [5]
Nickel [a]	<40	40	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Potassium [a]	<5000	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Selenium [a]	<5.0	5.0	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Silver [a]	<10	10	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Sodium [a]	8910	5000	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Thallium [a]	<1.0	1.0	ug/l	2	08/16/04	08/17/04	ND	SW846 6020 [1]	SW846 3010A [4]
Vanadium [a]	<50	50	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]
Zinc [a]	79.5	20	ug/l	1	08/13/04	08/18/04	ND	SW846 6010B [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA14300
(2) Instrument QC Batch: MA14302
(3) Instrument QC Batch: MA14311
(4) Prep QC Batch: MP26789
(5) Prep QC Batch: MP26845

(a) Reported results are dissolved metals.

RL = Reporting Limit

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:08	MA14285-STD1	1		STDA
11:16	MA14285-STD2	1		STDB
11:23	MA14285-STD3	1		STDC
11:28	MA14285-STD4	1		STDD
11:33	MA14285-STD5	1		STDE
11:45	MA14285-STD6	1		STDA
11:49	MA14285-STD7	1		STDA
11:53	MA14285-STD8	1		STDA
12:00	MA14285-STD9	1		STDC
12:09	MA14285-STD10	1		STDE
12:13	MA14285-STD11	1		STDC
12:23	MA14285-HSTD1	1		
12:35	MA14285-CRIB1	1		
12:42	MA14285-ICV1	1		
12:50	MA14285-ICB1	1		
12:57	MA14285-CCV1	1		
13:05	MA14285-CCB1	1		
13:28	MA14285-ICSA1	1		
13:36	MA14285-ICSAB1	1		
13:45	MA14285-CCV2	1		
13:52	MA14285-CCB2	1		
14:00	ZZZZZZ	1		
14:08	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:23	ZZZZZZ	1		
14:31	MP26726-MB1	1		
14:38	MP26726-B1	1		
14:46	MP26726-S1	1		See rerun for Pb, Ca saturation/
14:54	MP26726-S2	1		See rerun for Pb, Ca saturation/
15:02	N73864-1	1		(sample used for QC only; not part of login N74914)
15:10	MA14285-CCV3	1		
15:17	MA14285-CCB3	1		
15:25	MP26726-SD1	5		See rerun for Pb, Ca saturation/

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:36	ZZZZZZ	1		
15:44	ZZZZZZ	1		
16:11	MA14285-CRIB2	1		
16:19	MA14285-ICSA2	1		
16:27	MA14285-ICSAB2	1		
16:34	MA14285-CCV4	1		
16:42	MA14285-CCB4	1		
16:54	MP26785-MB1	1		To reanalysis for As, ICSA out.
17:02	MP26785-LC1	1		To reanalysis for As, ICSA out.
17:10	MP26785-S1	1		To reanalysis for As, ICSA out.
17:17	MP26785-S2	1		To reanalysis for As, ICSA out.
17:25	N74479-7	1		(sample used for QC only; not part of login N74914)
17:33	MP26785-SD1	5		To reanalysis for As, ICSA out.
17:40	ZZZZZZ	1		
17:48	ZZZZZZ	1		
17:56	ZZZZZZ	1		
18:04	ZZZZZZ	1		
18:11	MA14285-CCV5	1		
18:19	MA14285-CCB5	1		
18:27	ZZZZZZ	1		
18:34	ZZZZZZ	1		
18:42	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:57	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:20	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:36	ZZZZZZ	1		
19:43	MA14285-CCV6	1		
19:51	MA14285-CCB6	1		
19:59	ZZZZZZ	1		
20:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:14	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:30	ZZZZZZ	1		
20:37	MP26783-MB1	1		Batch to reanalysis for As, ICSA out.
20:45	MP26783-LC1	1		
20:53	MP26783-S1	1		
21:00	MP26783-S2	1		
21:08	N74914-1	1		
21:16	MA14285-CCV7	1		
21:23	MA14285-CCB7	1		
21:31	MP26783-SD1	5		
21:39	N74914-2	1		
21:47	N74914-3	1		
21:54	N74914-4	1		
22:02	N74914-5	1		
22:10	N74914-6	1		
22:17	N74914-7	1		
22:25	N74914-1F	1		Sb bad replicate.
22:33	N74914-2F	1		
22:40	N74914-3F	1		
22:48	MA14285-CCV8	1		
22:56	MA14285-CCB8	1		
23:04	N74914-4F	1		Sb bad replicate.
23:11	N74914-5F	1		
23:19	N74914-6F	1		
23:27	N74914-7F	1		
---------->	Last reportable sample/prep for job N74914			
23:34	MP26772-MB1	1		
23:42	MA14285-CRIB3	1		
23:50	MA14285-ICSA3	1		
23:57	MA14285-ICSAB3	1		
00:05	MA14285-CCV9	1		
00:13	MA14285-CCB9	1		
---------->	Last reportable CCB for job N74914			
00:20	MP26772-B1	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:28	MP26772-S1	1		
00:36	MP26772-S2	1		
00:44	N74476-1	1		(sample used for QC only; not part of login N74914)
00:51	MP26772-SD1	5		
00:59	ZZZZZZ	1		
01:07	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:22	ZZZZZZ	1		
01:30	MP26773-MB1	1		
01:37	MA14285-CCV10	1		
01:45	MA14285-CCB10	1		
01:53	MP26773-B1	1		
02:01	MP26773-S1	1		
02:08	MP26773-S2	1		
02:16	N74480-1	1		(sample used for QC only; not part of login N74914)
02:24	MP26773-SD1	5		
02:31	ZZZZZZ	1		
02:39	MP26779-MB1	1		Batch to reanalysis for As and tl, ICSA out.
02:47	MP26779-LC1	1		
02:54	MP26779-S1	1		To redigestion with another sample as QC. FB used.
03:02	MP26779-S2	1		To redigestion with another sample as QC. FB used.
03:10	MA14285-CCV11	1		
03:18	MA14285-CCB11	1		
03:25	N73998-3	1		(sample used for QC only; not part of login N74914)
03:33	MP26779-SD1	5		To redigestion with another sample as QC. FB used.
03:41	N73998-3	1		(sample used for QC only; not part of login N74914)
03:41	ZZZZZZ	1		
03:48	ZZZZZZ	1		
03:48	N74438-1F	1		(sample used for QC only; not part of login N74914)
03:56	ZZZZZZ	1		
04:04	ZZZZZZ	1		
04:12	ZZZZZZ	1		
04:19	ZZZZZZ	1		

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
11:08	MA14285-STD1	34683 R
11:16	MA14285-STD2	34309
11:23	MA14285-STD3	34738
11:28	MA14285-STD4	33608
11:33	MA14285-STD5	34380
11:45	MA14285-STD6	34701
11:49	MA14285-STD7	34308
11:53	MA14285-STD8	34581
12:00	MA14285-STD9	33688
12:09	MA14285-STD10	34013
12:13	MA14285-STD11	33923
12:23	MA14285-HSTD1	33915
12:35	MA14285-CRIB1	34759
12:42	MA14285-ICV1	35128
12:50	MA14285-ICB1	34325
12:57	MA14285-CCV1	33933
13:05	MA14285-CCB1	34553
13:28	MA14285-ICSA1	32667
13:36	MA14285-ICSAB1	32875
13:45	MA14285-CCV2	33801
13:52	MA14285-CCB2	33672
14:00	ZZZZZZ	35215
14:08	ZZZZZZ	34951
14:15	ZZZZZZ	34545
14:23	ZZZZZZ	34515
14:31	MP26726-MB1	33795
14:38	MP26726-B1	35075
14:46	MP26726-S1	34209
14:54	MP26726-S2	34402
15:02	N73864-1	35365
15:10	MA14285-CCV3	34109
15:17	MA14285-CCB3	34440
15:25	MP26726-SD1	34045
15:36	ZZZZZZ	35479

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INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
15:44	ZZZZZZ	35543
16:11	MA14285-CRIB2	34603
16:19	MA14285-ICSA2	32960
16:27	MA14285-ICSAB2	32781
16:34	MA14285-CCV4	33983
16:42	MA14285-CCB4	34037
16:54	MP26785-MB1	34632
17:02	MP26785-LC1	32990
17:10	MP26785-S1	33738
17:17	MP26785-S2	34126
17:25	N74479-7	34175
17:33	MP26785-SD1	34402
17:40	ZZZZZZ	33709
17:48	ZZZZZZ	33943
17:56	ZZZZZZ	33559
18:04	ZZZZZZ	33299
18:11	MA14285-CCV5	33673
18:19	MA14285-CCB5	34222
18:27	ZZZZZZ	33180
18:34	ZZZZZZ	33510
18:42	ZZZZZZ	34002
18:50	ZZZZZZ	33197
18:57	ZZZZZZ	33323
19:05	ZZZZZZ	33739
19:13	ZZZZZZ	33292
19:20	ZZZZZZ	33241
19:28	ZZZZZZ	33192
19:36	ZZZZZZ	33258
19:43	MA14285-CCV6	33340
19:51	MA14285-CCB6	33931
19:59	ZZZZZZ	33798
20:07	ZZZZZZ	33603
20:14	ZZZZZZ	33595
20:22	ZZZZZZ	33397

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
20:30	ZZZZZZ	35117
20:37	MP26783-MB1	33494
20:45	MP26783-LC1	33950
20:53	MP26783-S1	33165
21:00	MP26783-S2	33285
21:08	N74914-1	33475
21:16	MA14285-CCV7	32960
21:23	MA14285-CCB7	32944
21:31	MP26783-SD1	33259
21:39	N74914-2	32869
21:47	N74914-3	33498
21:54	N74914-4	32933
22:02	N74914-5	33241
22:10	N74914-6	32824
22:17	N74914-7	33349
22:25	N74914-1F	32374
22:33	N74914-2F	32131
22:40	N74914-3F	33290
22:48	MA14285-CCV8	33266
22:56	MA14285-CCB8	33573
23:04	N74914-4F	32495
23:11	N74914-5F	32453
23:19	N74914-6F	32243
23:27	N74914-7F	32769
23:34	MP26772-MB1	33595
23:42	MA14285-CRIB3	32975
23:50	MA14285-ICSA3	31653
23:57	MA14285-ICSAB3	31278
00:05	MA14285-CCV9	32409
00:13	MA14285-CCB9	32517
00:20	MP26772-B1	33703
00:28	MP26772-S1	33466
00:36	MP26772-S2	33238
00:44	N74476-1	33609

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
00:51	MP26772-SD1	33048
00:59	ZZZZZZ	33404
01:07	ZZZZZZ	33771
01:14	ZZZZZZ	32947
01:22	ZZZZZZ	33814
01:30	MP26773-MB1	32680
01:37	MA14285-CCV10	33010
01:45	MA14285-CCB10	32716
01:53	MP26773-B1	32869
02:01	MP26773-S1	32189
02:08	MP26773-S2	32591
02:16	N74480-1	32620
02:24	MP26773-SD1	31536
02:31	ZZZZZZ	32429
02:39	MP26779-MB1	32765
02:47	MP26779-LC1	32934
02:54	MP26779-S1	33111
03:02	MP26779-S2	33394
03:10	MA14285-CCV11	32982
03:18	MA14285-CCB11	33031
03:25	N73998-3	33544
03:33	MP26779-SD1	33165
03:41	N73998-3	32846
03:41	ZZZZZZ	32846
03:48	ZZZZZZ	32806
03:48	N74438-1F	32806
03:56	ZZZZZZ	32778
04:04	ZZZZZZ	32672
04:12	ZZZZZZ	32769
04:19	ZZZZZZ	32421
04:27	ZZZZZZ	32838
04:35	ZZZZZZ	33567
04:42	MA14285-CCV12	32990
04:50	MA14285-CCB12	32772

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0813M2.ASC Date Analyzed: 08/13/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14285
Parameters: Al,Sb,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
04:58	ZZZZZZ	32877
05:06	ZZZZZZ	33689
05:13	ZZZZZZ	32108
05:21	ZZZZZZ	32343
05:29	ZZZZZZ	32606
05:36	ZZZZZZ	33195
05:44	ZZZZZZ	32013
05:52	ZZZZZZ	33446
05:59	ZZZZZZ	34114
06:07	ZZZZZZ	32837
06:15	MA14285-CCV13	32954
06:23	MA14285-CCB13	33099
06:30	ZZZZZZ	33235
06:38	ZZZZZZ	32957
06:46	MP26726-S1	33168
06:53	MP26726-S2	32445
07:01	N73864-1	32460
07:09	MP26726-SD1	32411
07:17	MA14285-CCV14	32378
07:24	MA14285-CCB14	32239
07:32	MA14285-CRIB4	32735
07:40	MA14285-ICSA4	30835
07:47	MA14285-ICSAB4	31003
07:55	MA14285-CCV15	32063
08:03	MA14285-CCB15	32493

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

1186

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: IT0813M2.ASC
Analyst: ND

Date Analyzed: 08/13/04
Run ID: MA14285

Methods: EPA 200.7, SW846 6010B

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: _____ Date 8/16/04

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date 8/16/04

NC 8/19/04

Method: EPA3 Standard: STDA
Run Time: 08/13/04 11:08:38

Nancy Ryan 8/13/04

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Avge	.06659	.00114	-.00031	-.00002	.00099	.00938	.00037
SDev	.00012	.00002	.00029	.00017	.00013	.00004	.00003
%RSD	.17554	1.7517	94.468	924.42	13.163	.43705	9.6584
#1	.06668	.00113	-.00064	-.00009	.00090	.00934	.00041
#2	.06664	.00117	-.00020	-.00014	.00114	.00939	.00034
#3	.06646	.00113	-.00009	.00017	.00093	.00942	.00035

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Sb2068
Avge	.00213	-.00502	.00008	.00037	.00071	-.00329	.00194
SDev	.00040	.00009	.00020	.00012	.00280	.00289	.00064
%RSD	18.973	1.8795	250.11	33.670	395.93	87.818	32.644
#1	.00183	-.00504	.00023	.00046	-.00241	-.00174	.00267
#2	.00259	-.00509	-.00014	.00023	.00302	-.00151	.00148
#3	.00198	-.00491	.00015	.00041	.00151	-.00663	.00169

Elem	Al3082	Ca3179	Fe2714	Mg2790	K 7664	Na3302	Mo2020
Avge	.00725	.00742	-.00009	.00114	.14579	.01406	.00002
SDev	.00021	.00061	.00020	.00047	.00203	.00009	.00051
%RSD	2.9566	8.2263	214.15	40.789	1.3919	.63512	2473.2
#1	.00702	.00673	-.00006	.00070	.14655	.01397	-.00041
#2	.00728	.00788	-.00031	.00111	.14350	.01406	-.00011
#3	.00744	.00764	.00009	.00163	.14734	.01415	.00058

Elem	Pd3404	Si2881	Sn1899	2203/1	2203/2	1960/1	1960/2
Avge	-.00074	.06274	-.00024	-.00086	-.00054	-.00601	.00641
SDev	.00029	.00072	.00174	.00274	.00480	.00650	.00033
%RSD	38.914	1.1554	713.34	316.91	894.54	108.13	5.1422
#1	-.00090	.06300	-.00148	.00000	-.00473	-.01351	.00661
#2	-.00091	.06192	-.00100	-.00393	-.00159	-.00208	.00603
#3	-.00041	.06329	.00174	.00134	.00471	-.00244	.00660

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34683	--	--	--	--	--	--
SDev	401.6043	--	--	--	--	--	--
%RSD	1.157940	--	--	--	--	--	--
#1	34493	--	--	--	--	--	--
#2	35144	--	--	--	--	--	--
#3	34411	--	--	--	--	--	--

Method: EPA3 Standard: STDB
Run Time: 08/13/04 11:16:15

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Avge	5.2522	10.423	17.557	1.0626	2.9312	1.6720	2.4931
SDev	.1040	.195	.330	.0195	.0530	.0346	.0449
%RSD	1.9807	1.8675	1.8786	1.8314	1.8097	2.0692	1.7990
#1	5.1642	10.203	17.178	1.0406	2.8717	1.6418	2.4433
#2	5.3670	10.572	17.777	1.0775	2.9736	1.7097	2.5303
#3	5.2255	10.494	17.717	1.0697	2.9481	1.6644	2.5056

Elem	Ni2316	Zn2062	As1890	Tl1908	Mo2020	Pd3404	Sn1899
Avge	1.6087	2.1739	2.3741	1.9821	3.3771	1.0365	1.3009
SDev	.0308	.0391	.0436	.0317	.0649	.0194	.0245
%RSD	1.9174	1.7966	1.8377	1.6007	1.9203	1.8750	1.8807
#1	1.5750	2.1288	2.3245	1.9469	3.3042	1.0186	1.2727
#2	1.6354	2.1957	2.4066	2.0084	3.4284	1.0571	1.3169
#3	1.6158	2.1971	2.3911	1.9910	3.3986	1.0339	1.3130

Elem	2203/1	2203/2	1960/1	1960/2
Avge	4.0753	6.6569	4.8388	2.4361
SDev	.0726	.0887	.0838	.0519
%RSD	1.7825	1.3321	1.7312	2.1300
#1	3.9944	6.6320	4.7434	2.4268
#2	4.0965	6.7554	4.8724	2.4920
#3	4.1349	6.5834	4.9005	2.3895

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34309	--	--	--	--	--	--
SDev	591.6934	--	--	--	--	--	--
%RSD	1.724584	--	--	--	--	--	--
#1	34867	--	--	--	--	--	--
#2	33689	--	--	--	--	--	--
#3	34372	--	--	--	--	--	--

Method: EPA3 Standard: STDC
Run Time: 08/13/04 11:23:05

Elem	Ag3280	Sb2068	Si2881
Avge	.73075	1.4436	3.1675
SDev	.00245	.0037	.0084
%RSD	.33575	.25355	.26512
#1	.72815	1.4404	3.1579
#2	.73303	1.4476	3.1732
#3	.73106	1.4429	3.1715

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34738	--	--	--	--	--	--
SDev	162.3767	--	--	--	--	--	--
%RSD	.4674270	--	--	--	--	--	--
#1	34920	--	--	--	--	--	--
#2	34607	--	--	--	--	--	--
#3	34688	--	--	--	--	--	--

Method: EPA3 Standard: STDD
Run Time: 08/13/04 11:28:21

Elem	V 2924
Avge	.68743
SDev	.00905
%RSD	1.3171
#1	.69773
#2	.68072
#3	.68383

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33608	--	--	--	--	--	--
SDev	696.3891	--	--	--	--	--	--
%RSD	2.072093	--	--	--	--	--	--
#1	32808	--	--	--	--	--	--
#2	33938	--	--	--	--	--	--
#3	34078	--	--	--	--	--	--

Method: EPA3 Standard: STDE
Run Time: 08/13/04 11:33:39

Elem	Al3082	Ca3179	Fe2714	Mg2790	K 7664	Na3302
Avge	3.6939	6.2535	1.4678	3.4477	5.5653	.59401
SDev	.0395	.0661	.0142	.0359	.0573	.00617
%RSD	1.0689	1.0573	.96805	1.0422	1.0301	1.0386
#1	3.7060	6.2568	1.4696	3.4517	5.5918	.59652
#2	3.7260	6.3180	1.4810	3.4815	5.6045	.59853
#3	3.6498	6.1859	1.4528	3.4099	5.4995	.58698

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34380	--	--	--	--	--	--
SDev	272.0764	--	--	--	--	--	--
%RSD	.7913738	--	--	--	--	--	--
#1	34462	--	--	--	--	--	--
#2	34077	--	--	--	--	--	--
#3	34602	--	--	--	--	--	--

Method: EPA3 Standard: STDA
Run Time: 08/13/04 11:45:17

Elem	Tl1908	2203/2
Avge	-.00454	.00418
SDev	.00194	.00248
%RSD	42.748	59.459
#1	-.00611	.00626
#2	-.00514	.00143
#3	-.00237	.00485

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34701	--	--	--	--	--	--
SDev	573.1549	--	--	--	--	--	--
%RSD	1.651705	--	--	--	--	--	--
#1	34039	--	--	--	--	--	--
#2	35046	--	--	--	--	--	--
#3	35017	--	--	--	--	--	--

Method: EPA3 Standard: STDA
Run Time: 08/13/04 11:49:50

Elem	2203/2
Avge	-.00039
SDev	.00263
%RSD	672.62
#1	-.00290
#2	.00234
#3	-.00061

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34308	--	--	--	--	--	--
SDev	211.9244	--	--	--	--	--	--
%RSD	.6177160	--	--	--	--	--	--
#1	34142	--	--	--	--	--	--
#2	34235	--	--	--	--	--	--
#3	34546	--	--	--	--	--	--

Method: EPA3 Standard: STDA
Run Time: 08/13/04 11:53:49

Elem	2203/2
Avge	.00172
SDev	.00156
%RSD	90.479
#1	.00238
#2	-.00006
#3	.00284

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34581	--	--	--	--	--	--
SDev	183.6585	--	--	--	--	--	--
%RSD	.5311039	--	--	--	--	--	--
#1	34436	--	--	--	--	--	--
#2	34787	--	--	--	--	--	--
#3	34518	--	--	--	--	--	--

Method: EPA3 Standard: STDC
Run Time: 08/13/04 12:00:51

Elem	Sb2068
Avge	1.5195
SDev	.0141
%RSD	.92935
#1	1.5356
#2	1.5093
#3	1.5135

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33688	--	--	--	--	--	--
SDev	272.0627	--	--	--	--	--	--
%RSD	.8075952	--	--	--	--	--	--
#1	33377	--	--	--	--	--	--
#2	33806	--	--	--	--	--	--
#3	33881	--	--	--	--	--	--

Method: EPA3 Standard: STDE
Run Time: 08/13/04 12:09:29

Elem	Na3302						
Avge	.60069						
SDev	.00588						
%RSD	.97822						
#1	.59935						
#2	.60712						
#3	.59560						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34013	--	--	--	--	--	--
SDev	243.4131	--	--	--	--	--	--
%RSD	.7156571	--	--	--	--	--	--
#1	34054	--	--	--	--	--	--
#2	33751	--	--	--	--	--	--
#3	34233	--	--	--	--	--	--

Method: EPA3 Standard: STDC
Run Time: 08/13/04 12:13:15

Elem	Ag3280
Avge	.74217
SDev	.01198
%RSD	1.6145
#1	.75595
#2	.73421
#3	.73634

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33923	--	--	--	--	--	--
SDev	505.8994	--	--	--	--	--	--
%RSD	1.491331	--	--	--	--	--	--
#1	33341	--	--	--	--	--	--
#2	34258	--	--	--	--	--	--
#3	34169	--	--	--	--	--	--

Method: EPA3 Sample Name: HSTD Operator:
Run Time: 08/13/04 12:23:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0587	4.0344	3.9775	3.9930	4.0040	4.0658	4.0006
SDev	.0585	.0567	.0506	.0544	.0546	.0602	.0552
%RSD	1.4408	1.4042	1.2711	1.3622	1.3626	1.4797	1.3792
#1	4.0557	4.0187	3.9638	3.9785	3.9864	4.0554	3.9860
#2	4.1186	4.0972	4.0335	4.0531	4.0652	4.1305	4.0616
#3	4.0018	3.9872	3.9353	3.9473	3.9605	4.0115	3.9542
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0037	.50620	4.0094	3.9737	4.0221	3.9392	4.0335
SDev	.0537	.00682	.0688	.0527	.0563	.0759	.0218
%RSD	1.3414	1.3481	1.7151	1.3267	1.3996	1.9265	.54072
#1	3.9927	.50435	3.9890	3.9582	4.0109	3.8987	4.0106
#2	4.0620	.51375	4.0860	4.0324	4.0832	4.0267	4.0541
#3	3.9563	.50049	3.9531	3.9305	3.9723	3.8921	4.0359
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	.50000	4.0000	4.0000	4.0000	4.0000	4.0000
Range	5.0000	5.0000	5.0000	5.0000	125.00	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0430	3.9877	82.438	80.412	82.324	81.802	80.721
SDev	.0249	.0641	1.160	1.094	1.184	1.186	.922
%RSD	.61636	1.6068	1.4070	1.3607	1.4380	1.4500	1.1424
#1	4.0146	3.9805	82.244	80.113	82.077	81.478	80.607
#2	4.0613	4.0551	83.682	81.624	83.611	83.116	81.696
#3	4.0530	3.9275	81.386	79.498	81.282	80.812	79.862
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	80.000	80.000	80.000	80.000	80.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	83.061	4.0029	4.0604	10.152	3.9903	4.0413	4.0292
SDev	.811	.0574	.0593	.146	.0568	.0652	.0262
%RSD	.97660	1.4342	1.4603	1.4358	1.4225	1.6144	.65095
#1	82.941	3.9892	4.0484	10.110	3.9695	3.9718	4.0296
#2	83.926	4.0659	4.1248	10.314	4.0546	4.0507	4.0553
#3	82.317	3.9536	4.0081	10.032	3.9469	4.1012	4.0029
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

1200

Value	80.000	4.0000	4.0000	10.000	4.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	4.0543	4.0370
SDev	.0843	.0344
%RSD	2.0780	.85142
#1	3.9812	4.0310
#2	4.0354	4.0740
#3	4.1464	4.0060
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33915	--	--	--	--	--	--
SDev	266.7369	--	--	--	--	--	--
%RSD	.7864882	--	--	--	--	--	--
#1	33930	--	--	--	--	--	--
#2	33641	--	--	--	--	--	--
#3	34174	--	--	--	--	--	--

Method: EPA3 Sample Name: CRIB Operator:
Run Time: 08/13/04 12:35:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40290	.01140	.00935	.10473	.02090	.05186	.03165
SDev	.01012	.00057	.00059	.00250	.00088	.00219	.00109
%RSD	2.5122	5.0311	6.3082	2.3868	4.1962	4.2157	3.4545
#1	.39140	.01101	.00901	.10199	.02043	.04963	.03060
#2	.41046	.01206	.01003	.10688	.02191	.05400	.03278
#3	.40685	.01114	.00901	.10533	.02036	.05194	.03158
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.01000	.00800	.10000	.02000	.05000	.03000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08279	.01956	.10199	.04340	.00809	.02052	Q.00818
SDev	.00283	.00063	.00323	.00147	.00153	.00308	.00105
%RSD	3.4224	3.2313	3.1711	3.3834	18.946	14.991	12.831
#1	.07987	.01893	.09838	.04199	.00795	.02286	Q.00929
#2	.08553	.02020	.10463	.04492	Q.00663	.01703	.00721
#3	.08296	.01956	.10296	.04328	.00969	.02166	Q.00802
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.08000	.02000	.10000	.04000	.01000	.02000	.00600
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00914	.00834	.39001	5.0858	.20930	5.0606	4.9015
SDev	.00234	.00201	.01734	.1346	.02182	.1257	.1396
%RSD	25.584	24.093	4.4458	2.6464	10.423	2.4847	2.8488
#1	.00871	.00984	.37638	4.9343	.20803	4.9208	4.7458
#2	.00705	.00913	.40953	5.1917	.23172	5.1644	5.0155
#3	.01167	Q.00606	.38413	5.1313	.18815	5.0968	4.9433
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.01000	.40000	5.0000	.20000	5.0000	5.0000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7349	.02340	.11010	.41913	.02551	.00676	.00848
SDev	.3091	.00130	.00339	.01648	.00153	.00346	.00023
%RSD	6.5273	5.5618	3.0818	3.9329	6.0157	51.178	2.7178
#1	4.4211	.02478	.10743	.40101	.02377	.01062	.00826
#2	5.0390	.02321	.11392	.43323	Q.02609	.00391	.00847
#3	4.7445	.02220	.10896	.42316	Q.02667	.00576	.00872
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

1202

Value	5.0000	.02000	.10000	.40000	.02000
Range	30.000	30.000	30.000	30.000	30.000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01287	.00693
SDev	.00227	.00397
%RSD	17.597	57.228
#1	.01547	.00499
#2	.01183	.00431
#3	.01132	.01150
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34759	--	--	--	--	--	--
SDev	807.4726	--	--	--	--	--	--
%RSD	2.323065	--	--	--	--	--	--
#1	35658	--	--	--	--	--	--
#2	34094	--	--	--	--	--	--
#3	34525	--	--	--	--	--	--

Method: EPA3 Sample Name: ICV Operator:
Run Time: 08/13/04 12:42:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98145	.98005	.97908	.97689	.95870	.96484	.97392
SDev	.02241	.02248	.02360	.02230	.02260	.02206	.02272
%RSD	2.2828	2.2939	2.4100	2.2828	2.3574	2.2865	2.3330
#1	.99238	.99059	.98831	.98777	.96992	.97600	.98474
#2	.95568	.95424	.95226	.95124	Q.93269	Q.93943	Q.94781
#3	.99629	.99533	.99666	.99166	.97350	.97910	.98921
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Range	.05000	.05000	.05000	.05000	.05000	.05000	.05000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97389	.50382	.95580	.98538	.97312	.96131	.98416
SDev	.02040	.01094	.02431	.02260	.02286	.02149	.02575
%RSD	2.0946	2.1704	2.5432	2.2934	2.3492	2.2352	2.6167
#1	.98250	.50964	.96887	.99583	.98537	.96446	.99819
#2	.95060	.49120	Q.92775	.95945	Q.94675	Q.93842	.95443
#3	.98857	.51061	.97077	1.0009	.98724	.98105	.99984
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000	1.0000	1.0000	1.0000
Range	.05000	.02500	.05000	.05000	.05000	.05000	.05000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98080	.97047	5.0365	5.0480	4.8536	4.9859	4.9003
SDev	.02678	.02407	.1151	.1183	.1152	.1138	.1263
%RSD	2.7300	2.4807	2.2850	2.3430	2.3744	2.2833	2.5772
#1	.99364	.97902	5.0965	5.1097	4.9159	5.0363	4.9543
#2	.95002	Q.94328	4.9038	4.9116	Q4.7206	4.8555	4.7560
#3	.99874	.98910	5.1091	5.1226	4.9243	5.0658	4.9907
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.05000	.05000	.25000	.25000	.25000	.25000	.25000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q4.5168	.97092	1.0052	1.0372	.96792	.97905	.98626
SDev	.1931	.02037	.0229	.0296	.02104	.02432	.02658
%RSD	4.2754	2.0979	2.2784	2.8537	2.1741	2.4839	2.6954
#1	Q4.6507	.97894	1.0158	Q1.0515	.97899	.98994	1.0018
#2	Q4.2954	Q.94777	.97891	1.0031	Q.94365	.95119	.95556
#3	Q4.6043	.98607	1.0208	Q1.0569	.98113	.99602	1.0014
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	1.0000	1.0000	1.0000	1.0000
Range	.25000	.05000	.05000	.05000	.05000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.97247	.98463
SDev	.02432	.02800
%RSD	2.5007	2.8434
#1	.98430	.99797
#2	.94450	.95246
#3	.98860	1.0035
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35128	--	--	--	--	--	--
SDev	807.6990	--	--	--	--	--	--
%RSD	2.299320	--	--	--	--	--	--
#1	34638	--	--	--	--	--	--
#2	36060	--	--	--	--	--	--
#3	34685	--	--	--	--	--	--

Method: EPA3 Sample Name: ICB Operator:
Run Time: 08/13/04 12:50:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00045	.00039	Q.00096	.00077	.00040	.00085	.00011
SDev	.00018	.00010	.00039	.00034	.00027	.00047	.00014
%RSD	39.691	26.724	40.052	44.428	67.394	55.990	121.01
#1	.00034	.00028	.00081	.00106	.00017	.00133	-.00002
#2	.00035	.00039	.00067	.00040	.00070	.00038	.00011
#3	.00065	.00049	Q.00140	.00084	.00032	.00082	.00026
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00115	.00034	.00023	.00052	.00039	.00426	-.00029
SDev	.00097	.00005	.00062	.00044	.00418	.00509	.00144
%RSD	84.629	13.508	271.26	84.951	1084.0	119.35	502.76
#1	.00011	.00039	.00091	.00035	.00360	-.00071	-.00191
#2	.00130	.00031	-.00028	.00102	.00190	.00946	.00020
#3	.00204	.00031	.00005	.00019	-.00434	.00404	.00085
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00038	.00098	-.02254	-.02745	.00246	-.00973	-.28781
SDev	.00340	.00167	.00296	.00269	.00605	.00279	.01476
%RSD	906.23	169.76	13.128	9.7986	245.50	28.663	5.1268
#1	.00285	-.00063	-.02128	-.02929	-.00036	-.01240	-.27423
#2	-.00004	.00270	-.02592	-.02871	.00941	-.00995	-.30351
#3	-.00393	.00088	-.02042	-.02437	-.00166	-.00684	-.28568
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.24681	.00092	.00091	-.00383	.00494	.00006	-.00081
SDev	.10621	.00103	.00067	.00028	.00068	.00119	.00274
%RSD	43.030	112.79	73.447	7.2491	13.805	1970.3	337.73
#1	-.34448	.00137	.00149	-.00414	.00572	.00143	-.00393
#2	-.13375	.00165	.00018	-.00360	.00456	-.00076	.00033
#3	-.26222	-.00027	.00105	-.00376	.00452	-.00049	.00417
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.00810	.02310	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00058	-.00117
SDev	.00163	.00521
%RSD	279.89	443.67
#1	-.00057	.00425
#2	.00244	-.00163
#3	-.00013	-.00614

Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34325	--	--	--	--	--	--
SDev	339.5605	--	--	--	--	--	--
%RSD	.9892493	--	--	--	--	--	--
#1	34026	--	--	--	--	--	--
#2	34694	--	--	--	--	--	--
#3	34254	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/13/04 12:57:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0005	2.0135	1.9706	1.9774	1.9832	1.9978	1.9853
SDev	.0125	.0098	.0112	.0107	.0110	.0098	.0102
%RSD	.62484	.48634	.56644	.53993	.55583	.49050	.51243
#1	2.0072	2.0212	1.9810	1.9841	1.9927	1.9998	1.9936
#2	1.9861	2.0025	1.9588	1.9651	1.9712	1.9872	1.9740
#3	2.0083	2.0168	1.9719	1.9831	1.9858	2.0065	1.9885
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9761	.24912	1.9802	1.9705	1.9852	1.9703	1.9896
SDev	.0117	.00128	.0159	.0109	.0171	.0137	.0023
%RSD	.59269	.51190	.80240	.55228	.86228	.69469	.11505
#1	1.9815	.24975	1.9947	1.9802	1.9967	1.9797	1.9920
#2	1.9627	.24765	1.9632	1.9587	1.9655	1.9546	1.9894
#3	1.9842	.24996	1.9827	1.9725	1.9934	1.9767	1.9874
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0004	1.9600	40.133	39.410	40.093	40.062	40.389
SDev	.0060	.0072	.238	.218	.231	.173	.239
%RSD	.29827	.36735	.59365	.55260	.57587	.43213	.59207
#1	1.9959	1.9531	40.273	39.611	40.276	40.174	40.524
#2	2.0072	1.9594	39.858	39.179	39.834	39.862	40.113
#3	1.9981	1.9675	40.269	39.439	40.170	40.148	40.529
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.300	1.9788	1.9846	5.0384	1.9707	1.9860	1.9910
SDev	.209	.0128	.0093	.0335	.0123	.0046	.0019
%RSD	.51749	.64689	.46755	.66404	.62389	.23132	.09759
#1	40.485	1.9862	1.9903	5.0596	1.9781	1.9889	1.9932
#2	40.074	1.9641	1.9738	4.9998	1.9565	1.9884	1.9894
#3	40.342	1.9863	1.9896	5.0557	1.9776	1.9807	1.9985
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9935	2.0035
SDev	.0079	.0051
%RSD	.39719	.25583
#1	1.9890	1.9990
#2	2.0027	2.0091
#3	1.9889	2.0024
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33933	--	--	--	--	--	--
SDev	65.35681	--	--	--	--	--	--
%RSD	.1926051	--	--	--	--	--	--
#1	33858	--	--	--	--	--	--
#2	33971	--	--	--	--	--	--
#3	33970	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/13/04 13:05:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00094	Q.00086	Q.00095	.00094	.00057	.00111	.00051
SDev	.00032	.00034	.00042	.00056	.00057	.00026	.00027
%RSD	33.553	40.106	44.625	60.105	100.58	23.334	52.683
#1	.00074	Q.00051	.00072	.00072	-.00008	.00092	.00025
#2	.00131	Q.00119	Q.00144	.00157	.00099	.00100	.00079
#3	.00078	Q.00088	.00069	.00051	.00081	.00140	.00050
Errors	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00171	-.00004	.00090	.00041	-.00130	.00127	.00146
SDev	.00078	.00019	.00031	.00015	.00032	.00164	.00066
%RSD	45.537	478.09	34.561	36.037	24.340	128.65	45.469
#1	.00097	-.00007	.00072	.00039	-.00155	-.00060	.00118
#2	.00252	.00017	.00072	.00027	-.00095	.00201	.00098
#3	.00163	-.00021	.00126	.00057	-.00141	.00242	.00222
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00079	-.00078	-.01446	-.01841	.01256	.00103	-.28185
SDev	.00307	.00484	.00553	.00725	.01228	.00375	.02198
%RSD	386.08	616.26	38.254	39.392	97.817	362.63	7.7992
#1	-.00240	-.00428	-.01973	-.02540	-.00160	-.00279	-.28901
#2	-.00273	.00474	-.00870	-.01092	.01889	.00471	-.29935
#3	.00274	-.00281	-.01496	-.01891	.02039	.00118	-.25717
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.19548	.00050	.00113	.00035	.00326	.00441	-.00036
SDev	.17026	.00054	.00089	.00174	.00237	.00251	.00072
%RSD	87.100	107.78	78.447	497.52	72.775	56.948	198.09
#1	-.32867	.00001	.00184	.00190	.00084	.00199	.00042
#2	-.25414	.00042	.00142	-.00153	.00558	.00424	-.00099
#3	-.00364	.00109	.00014	.00067	.00336	.00701	-.00053
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00284	-.00295
SDev	.00675	.00367
%RSD	237.33	124.48
#1	-.00480	-.00150
#2	.00537	-.00712
#3	.00797	-.00023
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34553	--	--	--	--	--	--
SDev	444.9226	--	--	--	--	--	--
%RSD	1.287650	--	--	--	--	--	--
#1	34520	--	--	--	--	--	--
#2	35014	--	--	--	--	--	--
#3	34126	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSA Operator:
Run Time: 08/13/04 13:28:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00430	.00049	.00127	.00305	-.00081	.00223	-.00108
SDev	.00031	.00002	.00014	.00046	.00051	.00044	.00004
%RSD	7.2278	4.3574	11.052	15.205	62.753	19.639	4.1376
#1	.00429	.00051	.00112	.00270	-.00051	.00202	-.00103
#2	.00400	.00047	.00140	.00287	-.00140	.00194	-.00112
#3	.00462	.00050	.00129	.00357	-.00052	.00274	-.00108
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00148	.00027	.00395	.00023	-.00329	.00768	-.00051
SDev	.00024	.00032	.00070	.00018	.00480	.00713	.00258
%RSD	16.429	119.91	17.679	77.296	145.97	92.826	505.83
#1	.00123	.00014	.00471	.00004	-.00219	Q.01523	-.00221
#2	.00149	.00003	.00334	.00026	Q-.00854	.00672	-.00178
#3	.00172	.00063	.00380	.00039	.00086	.00108	.00246
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00119	.00074	526.05	526.23	192.99	517.45	-.14376
SDev	.00161	.00202	5.46	6.73	2.12	5.26	.01961
%RSD	135.23	273.38	1.0386	1.2795	1.0964	1.0164	13.638
#1	.00066	-.00055	531.27	530.51	195.30	522.92	-.13538
#2	-.00194	.00307	520.37	518.47	191.16	512.43	-.16617
#3	-.00229	-.00030	526.51	529.71	192.50	516.99	-.12974
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.70807	.00296	-.00037	.06312	.00783	.00130	-.00188
SDev	.20152	.00141	.00086	.00483	.00312	.00263	.00498
%RSD	28.460	47.542	231.26	7.6498	39.907	202.28	265.18
#1	-.94072	.00414	-.00001	.06426	Q.01139	.00421	-.00589
#2	-.59553	.00334	-.00136	.05783	.00653	.00060	-.00343
#3	-.58796	.00140	.00025	.06728	.00556	-.00091	.00932
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	5.0000	.00500	.05000	.20000	.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00384	-.00023
SDev	.00830	.00270
%RSD	215.91	1183.5
#1	.00300	-.00089
#2	-.00146	-.00254
#3	-.01307	.00274
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32667	--	--	--	--	--	--
SDev	303.9123	--	--	--	--	--	--
%RSD	.9303285	--	--	--	--	--	--
#1	32387	--	--	--	--	--	--
#2	32990	--	--	--	--	--	--
#3	32624	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSAB Operator:
Run Time: 08/13/04 13:36:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50787	.47974	.98423	.50384	.48428	.50888	.49032
SDev	.00394	.00321	.00842	.00341	.00343	.00452	.00354
%RSD	.77589	.66837	.85523	.67687	.70817	.88875	.72281
#1	.50575	.47975	.98471	.50407	.48463	.50780	.49036
#2	.50544	.47653	.97558	.50033	.48069	.50500	.48676
#3	.51241	.48294	.99239	.50713	.48753	.51385	.49384
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99515	1.0080	.49023	.97201	1.0548	.96115	1.0154
SDev	.01000	.0077	.00309	.00613	.0111	.01362	.0064
%RSD	1.0046	.76455	.63110	.63064	1.0527	1.4172	.62665
#1	.99583	1.0053	.48813	.97372	1.0640	.96521	1.0123
#2	.98483	1.0021	.48877	.96521	1.0425	.94596	1.0112
#3	1.0048	1.0168	.49378	.97711	1.0581	.97228	1.0228
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0326	1.0292	534.10	552.34	203.67	521.17	-.13704
SDev	.0073	.0050	5.03	4.77	1.43	4.26	.01355
%RSD	.70665	.48409	.94179	.86368	.70400	.81664	9.8883
#1	1.0318	1.0307	532.29	552.06	203.68	520.52	-.13477
#2	1.0257	1.0237	530.23	547.72	202.23	517.27	-.15158
#3	1.0402	1.0333	539.79	557.24	205.10	525.71	-.12477
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.39971	.49627	.53918	.10521	.00540	1.0149	1.0152
SDev	.10207	.00442	.00392	.00396	.00348	.0058	.0119
%RSD	25.535	.89113	.72728	3.7599	64.417	.56790	1.1711
#1	-.30015	.49767	.53747	.10473	.00824	1.0209	1.0075
#2	-.39489	.49131	.53640	.10939	.00152	1.0144	1.0092
#3	-.50411	.49982	.54366	.10152	.00644	1.0094	1.0289
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value		.50000	.50000
Range		.10000	.10000
Elem	1960/1	1960/2	
Units	ppm	ppm	
Avge	1.0271	1.0350	
SDev	.0094	.0078	
%RSD	.91278	.75489	
#1	1.0329	1.0309	
#2	1.0163	1.0301	
#3	1.0320	1.0440	
Errors	NOCHECK	NOCHECK	
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32875	--	--	--	--	--	--
SDev	236.5474	--	--	--	--	--	--
%RSD	.7195432	--	--	--	--	--	--
#1	32957	--	--	--	--	--	--
#2	33059	--	--	--	--	--	--
#3	32608	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/13/04 13:45:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0173	2.0774	2.0391	2.0469	2.0350	2.0202	2.0381
SDev	.0280	.0292	.0296	.0286	.0281	.0256	.0296
%RSD	1.3888	1.4054	1.4520	1.3981	1.3785	1.2673	1.4509
#1	2.0496	Q2.1102	2.0729	2.0796	2.0669	2.0492	2.0716
#2	2.0021	2.0679	2.0269	2.0349	2.0240	2.0104	2.0271
#3	2.0002	2.0542	2.0175	2.0263	2.0141	2.0008	2.0156
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0336	.25287	1.9857	2.0452	2.0372	1.9893	2.0553
SDev	.0291	.00329	.0340	.0311	.0370	.0226	.0175
%RSD	1.4293	1.3022	1.7111	1.5213	1.8145	1.1352	.85011
#1	2.0669	.25666	2.0246	2.0807	2.0793	2.0152	2.0721
#2	2.0204	.25123	1.9706	2.0326	2.0221	1.9780	2.0566
#3	2.0135	.25072	1.9619	2.0224	2.0101	1.9745	2.0372
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0495	2.0176	40.459	40.588	40.802	40.786	40.771
SDev	.0196	.0280	.587	.614	.648	.616	.521
%RSD	.95856	1.3876	1.4510	1.5137	1.5892	1.5094	1.2778
#1	2.0691	2.0496	41.131	41.282	41.537	41.486	41.371
#2	2.0498	2.0060	40.203	40.368	40.556	40.548	40.514
#3	2.0298	1.9973	40.044	40.114	40.312	40.326	40.428
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.625	1.9971	2.0184	5.1357	1.9938	2.0449	2.0601
SDev	.624	.0273	.0259	.0972	.0302	.0233	.0157
%RSD	1.5349	1.3674	1.2843	1.8932	1.5148	1.1380	.75966
#1	41.319	2.0280	2.0478	5.2469	2.0276	2.0612	2.0771
#2	40.443	1.9874	2.0087	5.0942	1.9843	2.0552	2.0568
#3	40.113	1.9760	1.9987	5.0662	1.9695	2.0182	2.0463
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0364	2.0558
SDev	.0215	.0196
%RSD	1.0577	.95162
#1	2.0526	2.0769
#2	2.0446	2.0521
#3	2.0119	2.0383
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33801	--	--	--	--	--	--
SDev	317.3340	--	--	--	--	--	--
%RSD	.9388433	--	--	--	--	--	--
#1	33437	--	--	--	--	--	--
#2	33944	--	--	--	--	--	--
#3	34021	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/13/04 13:52:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00098	Q.00052	.00063	.00085	.00074	.00213	.00030
SDev	.00010	.00005	.00028	.00039	.00057	.00030	.00005
%RSD	10.432	9.0566	44.340	45.700	76.340	14.224	17.241
#1	.00091	Q.00054	.00031	.00063	.00136	.00221	.00036
#2	.00109	Q.00055	.00084	.00130	.00024	.00239	.00027
#3	.00093	.00046	.00075	.00063	.00064	.00180	.00027
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00120	.00028	.00042	.00071	-.00338	.00232	.00040
SDev	.00065	.00009	.00035	.00040	.00199	.00469	.00069
%RSD	54.287	32.814	84.187	55.710	58.780	202.27	174.27
#1	.00096	.00039	.00007	.00090	-.00119	-.00309	.00055
#2	.00071	.00021	.00077	.00097	Q-.00506	.00499	-.00036
#3	.00194	.00026	.00042	.00026	-.00389	.00506	.00100
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00034	.00101	.00680	.01709	.01774	.03946	-.24802
SDev	.00436	.00109	.01073	.00899	.00649	.01062	.01269
%RSD	1280.4	107.64	157.70	52.616	36.593	26.905	5.1153
#1	-.00354	.00041	-.00238	.00935	.01067	.02911	-.25916
#2	Q.00506	.00226	.01859	.02695	.02342	.05032	-.23421
#3	-.00050	.00035	.00419	.01496	.01913	.03895	-.25070
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.14756	.00209	.00113	.00805	.00258	.00002	.00023
SDev	.06314	.00126	.00051	.00335	.00390	.00205	.00083
%RSD	42.789	60.493	44.706	41.632	150.87	9179.9	363.44
#1	-.14754	Q.00338	.00137	.00437	-.00044	.00204	-.00055
#2	-.08443	.00202	.00055	.01094	Q.00698	-.00206	.00013
#3	-.21070	.00086	.00147	.00883	.00121	.00009	.00111
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00188	-.00076
SDev	.00208	.00584
%RSD	110.40	769.71
#1	.00169	-.00646
#2	.00405	.00520
#3	-.00009	-.00102

Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33672	--	--	--	--	--	--
SDev	118.4148	--	--	--	--	--	--
%RSD	.3516687	--	--	--	--	--	--
#1	33790	--	--	--	--	--	--
#2	33553	--	--	--	--	--	--
#3	33674	--	--	--	--	--	--

Method: EPA3 Sample Name: ACID1L8-13-2 Operator:
Run Time: 08/13/04 14:00:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01520	.00031	.00029	.00089	-.00012	.00071	.00132
SDev	.00028	.00010	.00018	.00033	.00042	.00059	.00020
%RSD	1.8427	32.684	61.982	37.414	364.57	82.475	15.272
#1	.01488	.00042	.00037	.00059	.00036	.00004	.00156
#2	.01528	.00028	.00008	.00125	-.00026	.00096	.00124
#3	.01542	.00023	.00041	.00083	-.00044	.00114	.00118
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00214	.00041	-.00007	.01034	.00031	.00503	.00042
SDev	.00079	.00064	.00050	.00060	.00069	.00198	.00189
%RSD	36.994	155.22	757.67	5.7937	224.47	39.310	447.35
#1	.00286	.00098	.00037	.00985	.00084	.00722	.00249
#2	.00130	.00053	-.00062	.01017	.00057	.00451	-.00001
#3	.00225	-.00028	.00005	.01101	-.00048	.00337	-.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00043	L-.00544	.04775	9.9510	.01836	1.6780	-.23804
SDev	.00100	.00216	.01813	.2417	.01680	.0101	.02043
%RSD	230.61	39.809	37.979	2.4292	91.503	.60115	8.5827
#1	.00055	-.00356	.06861	9.6806	.03761	1.6666	-.25954
#2	-.00040	L-.00780	.03885	10.026	.01084	1.6817	-.23569
#3	-.00145	-.00494	.03578	10.146	.00664	1.6857	-.21889
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.39136	.00002	.00127	1.3650	.00893	-.00157	.00108
SDev	.10858	.00123	.00096	.0430	.00170	.00355	.00107
%RSD	27.745	5473.5	75.842	3.1520	19.089	225.58	98.725
#1	-.31571	-.00134	.00221	1.3166	.00708	.00236	.00222
#2	-.51577	.00106	.00131	1.3795	.00926	-.00254	.00091
#3	-.34260	.00035	.00029	1.3989	.01044	-.00454	.00042
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00528	-.00362
SDev	.00237	.00161
%RSD	44.823	44.511
#1	.00731	-.00316
#2	.00268	-.00228
#3	.00585	-.00541
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35215	--	--	--	--	--	--
SDev	692.4901	--	--	--	--	--	--
%RSD	1.966452	--	--	--	--	--	--
#1	35966	--	--	--	--	--	--
#2	35079	--	--	--	--	--	--
#3	34601	--	--	--	--	--	--

Method: EPA3 Sample Name: ACID.5L8-13-2 Operator:
Run Time: 08/13/04 14:08:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01665	.00014	.00033	.00140	-.00011	.00163	.00114
SDev	.00039	.00007	.00071	.00163	.00116	.00115	.00023
%RSD	2.3382	51.597	216.18	116.23	1048.1	70.982	20.533
#1	.01621	.00007	.00002	.00092	-.00058	.00050	.00108
#2	.01694	.00021	.00114	.00321	.00121	.00281	.00140
#3	.01679	.00014	-.00017	.00007	-.00096	.00156	.00094
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00242	.00068	-.00018	.00475	.00018	.00032	-.00102
SDev	.00232	.00093	.00082	.00063	.00515	.00257	.00089
%RSD	95.708	137.30	459.35	13.259	2854.0	812.19	87.039
#1	.00107	.00020	.00069	.00454	L-.00513	-.00085	-.00205
#2	.00510	.00176	-.00094	.00546	.00517	-.00147	-.00054
#3	.00110	.00009	-.00029	.00426	.00050	.00327	-.00048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00158	.00082	.02131	9.2728	.01769	1.6730	-.25413
SDev	.00332	.00755	.01456	.0766	.02662	.0343	.01743
%RSD	210.04	925.28	68.318	.82625	150.50	2.0525	6.8584
#1	.00511	-.00035	.00820	9.2204	.01476	1.6474	-.25403
#2	.00112	.00888	.03697	9.3607	.04565	1.7120	-.23675
#3	-.00148	L-.00608	.01875	9.2372	-.00735	1.6595	-.27161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.28806	.00031	.00261	1.4547	.00616	-.00671	.00142
SDev	.32320	.00132	.00378	.0204	.00562	.01315	.00740
%RSD	112.20	419.14	144.84	1.4014	91.271	195.99	520.15
#1	-.47747	.00171	.00014	1.4341	.00897	.00191	-.00436
#2	.08512	-.00091	.00696	1.4749	-.00031	-.02185	.00977
#3	-.47185	.00015	.00073	1.4552	.00982	-.00019	-.00[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1322

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00288	.00061
SDev	.00633	.00436
%RSD	219.50	708.80
#1	.00878	.00298
#2	-.00381	.00328
#3	.00368	-.00441
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34951	--	--	--	--	--	--
SDev	527.6486	--	--	--	--	--	--
%RSD	1.509672	--	--	--	--	--	--
#1	35558	--	--	--	--	--	--
#2	34699	--	--	--	--	--	--
#3	34597	--	--	--	--	--	--

Method: EPA3 Sample Name: N74646-8FUNDCONF Operator:
Run Time: 08/13/04 14:15:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00274	.00010	.00005	.00043	-.00006	.00374	.00253
SDev	.00004	.00001	.00036	.00062	.00016	.00041	.00000
%RSD	1.3276	12.609	707.73	144.22	271.86	10.984	.08142
#1	.00271	.00010	.00029	.00093	.00013	.00329	.00252
#2	.00274	.00012	.00022	.00061	-.00016	.00410	.00253
#3	.00278	.00009	-.00036	-.00026	-.00015	.00382	.00253
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00081	.00061	.00022	.07351	.00543	.00323	.04013
SDev	.00076	.00036	.00044	.00107	.00381	.00339	.00057
%RSD	92.732	59.900	198.61	1.4514	70.070	104.89	1.4116
#1	.00165	.00084	.00054	.07228	.00107	-.00020	.03983
#2	.00060	.00080	.00039	.07397	.00716	.00658	.03978
#3	.00019	.00019	-.00028	.07426	.00808	.00331	.04079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00590	-.00381	.01500	24.615	.01677	5.5114	.37711
SDev	.00142	.00238	.00282	.338	.00699	.0777	.03619
%RSD	24.036	62.262	18.805	1.3719	41.687	1.4102	9.5975
#1	.00586	L-.00585	.01192	24.251	.01344	5.4270	.34257
#2	.00733	-.00120	.01747	24.676	.01207	5.5270	.37401
#3	.00450	-.00440	.01560	24.918	.02481	5.5801	.41476
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.7097	.00161	.00050	17.121	.01431	.03954	.04008
SDev	.1730	.00042	.00073	.226	.00379	.00215	.00064
%RSD	1.7819	25.988	146.54	1.3222	26.476	5.4266	1.6095
#1	9.5179	.00119	.00076	16.892	.01031	.03995	.03943
#2	9.8541	.00162	.00106	17.128	.01785	.03722	.04072
#3	9.7571	.00203	-.00033	17.344	.01478	.04145	.04011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1224

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01444	.00129
SDev	.00036	.00204
%RSD	2.4624	158.85
#1	.01409	.00145
#2	.01480	.00325
#3	.01445	-.00083
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34545	--	--	--	--	--	--
SDev	536.4760	--	--	--	--	--	--
%RSD	1.552986	--	--	--	--	--	--
#1	35076	--	--	--	--	--	--
#2	34555	--	--	--	--	--	--
#3	34003	--	--	--	--	--	--

Method: EPA3 Sample Name: N74206-3FCONF Operator:
Run Time: 08/13/04 14:23:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40024	.00006	.00062	.00437	.00010	.00208	2.5388
SDev	.00298	.00001	.00011	.00032	.00024	.00047	.0183
%RSD	.74431	11.360	18.416	7.3198	231.39	22.534	.72196
#1	.39683	.00007	.00065	.00410	-.00010	.00194	2.5178
#2	.40231	.00006	.00049	.00472	.00036	.00169	2.5511
#3	.40159	.00005	.00071	.00428	.00004	.00260	2.5476
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00275	.00088	.00145	.00826	.01367	-.00596	.00327
SDev	.00124	.00021	.00020	.00065	.00185	.00385	.00117
%RSD	45.041	23.486	13.935	7.8881	13.500	64.689	35.777
#1	.00261	.00110	.00131	.00794	.01321	-.00670	.00209
#2	.00159	.00068	.00136	.00783	.01209	-.00938	.00330
#3	.00406	.00086	.00169	.00901	.01570	-.00179	.00443
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01754	L-.01477	-.01428	63.617	13.262	12.322	20.637
SDev	.00464	.00556	.00235	.489	.149	.084	.065
%RSD	26.448	37.651	16.425	.76884	1.1263	.68240	.31637
#1	.01606	L-.00868	-.01633	63.058	13.091	12.225	20.582
#2	.01382	L-.01958	-.01172	63.964	13.366	12.373	20.709
#3	.02273	L-.01604	-.01480	63.829	13.330	12.368	20.619
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H889.28	.00086	.00087	7.2705	.02949	.00147	.00375
SDev	1.79	.00081	.00041	.0484	.00110	.00329	.00215
%RSD	.20155	93.946	46.954	.66569	3.7319	223.59	57.217
#1	H887.62	.00111	.00130	7.2150	.02973	-.00100	.00325
#2	H891.18	-.00004	.00083	7.3038	.03045	.00521	.00190
#3	H889.03	.00151	.00049	7.2926	.02829	.00020	.00612
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.02349	.01423
SDev	.00730	.00343
%RSD	31.101	24.121
#1	.01970	.01394
#2	.01885	.01095
#3	.03191	.01780
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34515	--	--	--	--	--	--
SDev	363.5125	--	--	--	--	--	--
%RSD	1.053187	--	--	--	--	--	--
#1	34935	--	--	--	--	--	--
#2	34302	--	--	--	--	--	--
#3	34309	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26726-MB1 Operator:
Run Time: 08/13/04 14:31:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00722	.00008	.00016	.00126	.00059	.00513	.00374
SDev	.00003	.00004	.00006	.00028	.00064	.00037	.00010
%RSD	.37267	44.713	35.021	21.956	108.10	7.1410	2.7746
#1	.00720	.00008	.00014	.00096	.00055	.00481	.00378
#2	.00722	.00012	.00012	.00130	.00125	.00553	.00381
#3	.00725	.00005	.00023	.00151	-.00002	.00505	.00362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	-.00057	.00066	.00831	H.00624	.00161	H.00406
SDev	.00148	.00043	.00070	.00038	.00255	.00361	.00396
%RSD	857.43	74.906	105.55	4.6355	40.813	224.03	97.556
#1	.00154	-.00072	.00146	.00814	.00351	-.00199	H.00668
#2	-.00108	-.00009	.00026	.00876	H.00667	.00160	H.00600
#3	-.00098	-.00092	.00025	.00805	H.00854	.00522	-.00050
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.00752	-.00326	.06056	.25496	.06428	.03575	-.37730
SDev	.00368	.00260	.00192	.00356	.00700	.00265	.01512
%RSD	48.920	79.950	3.1617	1.3945	10.894	7.4026	4.0079
#1	.00328	-.00037	.06168	.25646	.06945	.03271	-.38372
#2	H.00986	-.00395	.06164	.25752	.06708	.03694	-.36003
#3	H.00942	L-.00544	.05835	.25090	.05631	.03759	-.38815
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H11.478	.00145	-.00023	H.27399	H.01529	.00755	.00196
SDev	.119	.00164	.00022	.00203	.00230	.00179	.00514
%RSD	1.0376	113.37	95.609	.74239	15.069	23.748	262.48
#1	H11.439	.00309	-.00000	H.27615	H.01794	.00935	.00500
#2	H11.612	.00146	-.00025	H.27371	H.01377	.00755	.00486
#3	H11.383	-.00020	-.00044	H.27211	H.01416	.00576	-.00[illegible]
Errors	LC High	LC Pass	LC Pass	LC High	LC High	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00592	.00798
SDev	.00208	.00528
%RSD	35.083	66.230
#1	.00528	.00192
#2	.00824	.01036
#3	.00424	.01165
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33795	--	--	--	--	--	--
SDev	206.4493	--	--	--	--	--	--
%RSD	.6108930	--	--	--	--	--	--
#1	33837	--	--	--	--	--	--
#2	33570	--	--	--	--	--	--
#3	33977	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26726-B1 Operator:
Run Time: 08/13/04 14:38:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.9467	.05043	.05076	.50076	.19592	.25486	.50033
SDev	.0421	.00039	.00036	.00383	.00171	.00126	.00377
%RSD	.42279	.76864	.70632	.76514	.87276	.49499	.75299
#1	9.9305	.05031	.05057	.49898	.19534	.25437	.49875
#2	9.9152	.05012	.05053	.49814	.19458	.25391	.49761
#3	9.9945	.05087	.05117	.50516	.19785	.25629	.50463
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49598	.04806	.48217	.50829	1.9802	1.9369	2.0354
SDev	.00659	.00060	.00525	.00438	.0122	.0223	.0204
%RSD	1.3285	1.2527	1.0895	.86220	.61417	1.1530	1.0040
#1	.49312	.04800	.47931	.50601	1.9765	1.9142	2.0320
#2	.49131	.04750	.47896	.50552	1.9704	1.9377	2.0169
#3	.50352	.04870	.48823	.51334	1.9938	1.9588	2.0573
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0213	.48759	1.9897	.03329	.93553	-.02221	-.41587
SDev	.0228	.00332	.0138	.00124	.02174	.00562	.02166
%RSD	1.1264	.68054	.69524	3.7282	2.3235	25.285	5.2080
#1	2.0140	.48718	1.9797	.03370	.92345	-.02753	-.41545
#2	2.0032	.48450	1.9839	.03190	.92252	-.02275	-.43773
#3	2.0469	.49109	2.0055	.03428	.96063	-.01634	-.39442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.075	.00141	-.00103	.16555	.01115	2.0199	2.0427
SDev	.188	.00058	.00119	.00417	.00161	.0128	.0243
%RSD	1.6948	41.119	115.12	2.5182	14.470	.63265	1.1875
#1	10.963	.00157	-.00090	.16366	.00930	2.0173	2.0390
#2	10.969	.00189	-.00228	.16267	.01191	2.0086	2.0205
#3	11.291	.00077	.00008	.17034	.01225	2.0337	2.0686
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0043	2.0295
SDev	.0184	.0253
%RSD	.92018	1.2476
#1	1.9935	2.0239
#2	1.9939	2.0075
#3	2.0256	2.0572
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35075	--	--	--	--	--	--
SDev	253.3916	--	--	--	--	--	--
%RSD	.7224238	--	--	--	--	--	--
#1	35003	--	--	--	--	--	--
#2	35357	--	--	--	--	--	--
#3	34866	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26726-S1 Operator:
Run Time: 08/13/04 14:46:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.678	.04676	.06292	.54904	.18262	.29429	3.8316
SDev	.019	.00003	.00039	.00100	.00024	.00044	.0022
%RSD	.17331	.05598	.61282	.18254	.12969	.14857	.05829
#1	10.696	.04675	.06327	.54980	.18247	.29379	3.8299
#2	10.659	.04674	.06251	.54791	.18290	.29446	3.8308
#3	10.678	.04679	.06298	.54943	.18250	.29461	3.8341
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.57013	.04971	.46471	k.76658	1.9375	k1.7957	k1.9301
SDev	.00283	.00052	.00108	.00058	.0022	.0084	.0029
%RSD	.49603	1.0387	.23197	.07514	.11319	.46935	.14955
#1	.57125	.04958	.46356	k.76591	1.9389	k1.7868	k1.9276
#2	.56692	.04928	.46569	k.76688	1.9386	k1.7968	k1.9295
#3	.57223	.05028	.46489	k.76693	1.9350	k1.8035	k1.9333
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9644	k.48633	2.1655	C.00000	3.8832	38.789	22.147
SDev	.0013	.00447	.0045	.00000	.0124	.012	.038
%RSD	.06408	.91824	.20988	.00000	.31854	.03185	.17359
#1	1.9635	k.48153	2.1603	C.00000	3.8744	38.803	22.190
#2	1.9639	k.48712	2.1672	C.00000	3.8779	38.780	22.135
#3	1.9658	k.49035	2.1689	C.00000	3.8973	38.783	22.116
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k40.099	.01345	.00071	43.984	.01461	k1.9193	k1.9350
SDev	.171	.00049	.00074	.019	.00252	.0058	.0067
%RSD	.42546	3.6422	104.48	.04324	17.220	.30175	.34849
#1	k40.287	.01306	.00003	43.963	.01353	k1.9260	k1.9279
#2	k39.953	.01400	.00150	43.991	.01281	k1.9157	k1.9359
#3	k40.058	.01330	.00059	43.999	.01749	k1.9162	k1.9413
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9662	1.9632
SDev	.0055	.0040
%RSD	.28150	.20602
#1	1.9725	1.9586
#2	1.9620	1.9646
#3	1.9642	1.9663
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34209	--	--	--	--	--	--
SDev	11.84019	--	--	--	--	--	--
%RSD	.0346115	--	--	--	--	--	--
#1	34214	--	--	--	--	--	--
#2	34195	--	--	--	--	--	--
#3	34217	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26726-S2 Operator:
Run Time: 08/13/04 14:54:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.566	.04627	.06182	.54097	.18091	.29006	3.7494
SDev	.397	.00181	.00231	.02019	.00707	.01150	.1430
%RSD	3.7575	3.9208	3.7381	3.7319	3.9095	3.9666	3.8128
#1	10.163	.04443	.05961	.52045	.17407	.27831	3.6021
#2	10.957	.04806	.06422	.56080	.18820	.30130	3.8876
#3	10.577	.04633	.06162	.54167	.18047	.29057	3.7583
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56393	.04916	.45883	k.75479	1.9217	k1.7719	k1.8897
SDev	.02154	.00189	.01770	.02894	.0675	.0625	.0687
%RSD	3.8197	3.8400	3.8585	3.8349	3.5109	3.5288	3.6351
#1	.54171	.04761	.44059	k.72509	1.8519	k1.7171	k1.8204
#2	.58472	.05127	.47594	k.78291	1.9866	k1.8400	k1.9578
#3	.56537	.04862	.45998	k.75636	1.9266	k1.7586	k1.8910
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9313	k.47798	2.1448	C.00000	3.8232	37.998	21.610
SDev	.0780	.01796	.0903	.00000	.1537	1.461	.801
%RSD	4.0412	3.7572	4.2080	.00000	4.0215	3.8452	3.7070
#1	1.8506	k.46083	2.0497	C.00000	3.6580	36.483	20.786
#2	2.0064	k.49665	2.2293	C.00000	3.9622	39.398	22.387
#3	1.9370	k.47646	2.1553	C.00000	3.8493	38.112	21.657
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k39.234	.01376	.00068	43.012	.01451	k1.8841	k1.8921
SDev	1.528	.00029	.00042	1.631	.00208	.0628	.0716
%RSD	3.8949	2.0812	62.282	3.7921	14.330	3.3355	3.7837
#1	k37.599	.01372	.00111	41.331	.01246	k1.8220	k1.8192
#2	k40.626	.01350	.00065	44.588	.01662	k1.9476	k1.9623
#3	k39.478	.01407	.00027	43.119	.01446	k1.8826	k1.8948
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1234

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9409	1.9262
SDev	.0658	.0842
%RSD	3.3884	4.3707
#1	1.8735	1.8389
#2	2.0049	2.0068
#3	1.9444	1.9329
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34402	--	--	--	--	--	--
SDev	1059.258	--	--	--	--	--	--
%RSD	3.079023	--	--	--	--	--	--
#1	35479	--	--	--	--	--	--
#2	33362	--	--	--	--	--	--
#3	34366	--	--	--	--	--	--

Method: EPA3 Sample Name: N73864-1 Operator:
Run Time: 08/13/04 15:02:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.67237	.00033	.01609	.08217	.00145	.02534	3.2760
SDev	.00953	.00006	.00052	.00157	.00048	.00013	.0396
%RSD	1.4170	18.361	3.2157	1.9112	33.289	.52651	1.2076
#1	.66152	.00026	.01549	.08038	.00188	.02522	3.2314
#2	.67937	.00037	.01637	.08286	.00154	.02530	3.2899
#3	.67622	.00035	.01641	.08329	.00093	.02548	3.3067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10271	-.00010	.00109	k.30498	.00998	k.00161	k.00655
SDev	.00136	.00057	.00126	.00391	.00457	.00428	.00163
%RSD	1.3270	550.59	115.55	1.2804	45.823	264.96	24.956
#1	.10142	-.00004	.00210	k.30050	.00595	k-.00203	k.00499
#2	.10414	-.00071	-.00032	k.30766	.01495	k.00632	k.00825
#3	.10256	.00043	.00149	k.30679	.00903	k.00055	k.00641
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00823	k-.00275	.10498	C.00000	2.9124	37.775	21.493
SDev	.00198	.00393	.00817	.00000	.0481	.472	.261
%RSD	24.033	142.76	7.7863	.00000	1.6530	1.2496	1.2142
#1	.00658	k-.00376	.09643	C.00000	2.8571	37.236	21.193
#2	.01042	k.00158	.10579	C.00000	2.9454	37.972	21.671
#3	.00768	k-.00608	.11272	C.00000	2.9346	38.117	21.613
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k38.769	.01256	.00158	42.892	.01357	k.00143	k.00869
SDev	.514	.00106	.00081	.539	.00390	.00218	.00353
%RSD	1.3270	8.4427	51.537	1.2562	28.711	152.37	40.597
#1	k38.216	.01133	.00231	42.270	.00915	k.00315	k.00549
#2	k38.858	.01322	.00070	43.200	.01506	k-.00102	k.01247
#3	k39.233	.01311	.00174	43.206	.01650	k.00215	k.00[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00964	.00719
SDev	.00257	.00426
%RSD	26.685	59.197
#1	.01172	.00367
#2	.00676	.01192
#3	.01042	.00597
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35365	--	--	--	--	--	--
SDev	577.2884	--	--	--	--	--	--
%RSD	1.632369	--	--	--	--	--	--
#1	35482	--	--	--	--	--	--
#2	35875	--	--	--	--	--	--
#3	34738	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/13/04 15:10:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0158	2.0850	2.0453	2.0472	2.0419	2.0216	2.0404
SDev	.0023	.0041	.0046	.0039	.0022	.0006	.0020
%RSD	.11550	.19870	.22719	.19239	.10897	.02969	.09620
#1	2.0184	2.0898	2.0494	2.0517	2.0445	2.0217	2.0426
#2	2.0153	2.0822	2.0463	2.0447	2.0404	2.0222	2.0393
#3	2.0139	2.0830	2.0402	2.0451	2.0409	2.0210	2.0392
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0339	.25169	2.0004	2.0551	2.0476	1.9899	2.0520
SDev	.0041	.00018	.0029	.0028	.0050	.0030	.0056
%RSD	.20185	.07339	.14694	.13415	.24651	.14934	.27051
#1	2.0386	.25187	2.0008	2.0583	2.0528	1.9877	2.0584
#2	2.0311	.25171	2.0031	2.0538	2.0472	1.9889	2.0484
#3	2.0320	.25150	1.9973	2.0533	2.0427	1.9933	2.0493
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0536	2.0232	40.498	40.990	40.990	40.866	40.549
SDev	.0098	.0109	.040	.089	.041	.046	.095
%RSD	.47869	.53878	.09765	.21628	.10098	.11182	.23434
#1	2.0649	2.0255	40.540	40.985	41.018	40.910	40.653
#2	2.0474	2.0328	40.493	41.081	41.009	40.871	40.529
#3	2.0484	2.0114	40.462	40.904	40.942	40.818	40.466
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.520	2.0074	2.0150	5.1426	2.0081	2.0367	2.0593
SDev	.053	.0007	.0035	.0084	.0028	.0097	.0037
%RSD	.13017	.03560	.17554	.16402	.14049	.47781	.18067
#1	40.494	2.0071	2.0191	5.1501	2.0113	2.0475	2.0635
#2	40.581	2.0069	2.0129	5.1441	2.0067	2.0285	2.0579
#3	40.485	2.0082	2.0131	5.1335	2.0062	2.0342	2.0538
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0333	2.0634
SDev	.0125	.0085
%RSD	.61256	.41241
#1	2.0477	2.0732
#2	2.0252	2.0582
#3	2.0272	2.0588
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34109	--	--	--	--	--	--
SDev	81.22578	--	--	--	--	--	--
%RSD	.2381373	--	--	--	--	--	--
#1	34029	--	--	--	--	--	--
#2	34191	--	--	--	--	--	--
#3	34106	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/13/04 15:17:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00086	.00047	.00053	.00102	.00045	.00109	.00049
SDev	.00013	.00006	.00014	.00045	.00021	.00038	.00010
%RSD	15.399	12.534	25.717	44.045	46.169	34.711	21.158
#1	.00095	Q.00053	.00058	.00128	.00068	.00104	.00059
#2	.00093	.00047	.00038	.00128	.00037	.00150	.00049
#3	.00071	.00041	.00064	.00050	.00029	.00075	.00038
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00235	-.00031	.00016	.00041	-.00297	-.00088	.00181
SDev	.00109	.00036	.00019	.00022	.00188	.00547	.00120
%RSD	46.453	116.38	115.03	54.473	63.105	621.53	66.603
#1	.00313	.00007	.00006	.00061	-.00470	-.00713	Q.00319
#2	.00110	-.00036	.00005	.00046	-.00324	.00145	.00127
#3	.00283	-.00063	.00038	.00017	-.00098	.00304	.00096
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00115	.00126	-.01899	.13738	.00195	.00077	-.30630
SDev	.00339	.00116	.00225	.03944	.00573	.00823	.03414
%RSD	295.15	91.945	11.874	28.709	294.06	1075.8	11.147
#1	-.00178	.00257	-.01676	.17475	.00520	.00998	-.28441
#2	.00486	.00081	-.01893	.14125	-.00467	-.00181	-.28884
#3	.00036	.00039	-.02127	.09615	.00532	-.00587	-.34564
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.32369	.00118	.00025	.00429	.00536	-.00098	.00285
SDev	.15923	.00134	.00177	.00401	.00354	.00343	.00322
%RSD	49.192	113.67	712.24	93.610	66.032	351.01	112.81
#1	-.14077	.00260	.00138	.00868	.00129	-.00325	.00605
#2	-.43126	-.00006	.00116	.00339	Q.00768	-.00265	.00288
#3	-.39903	.00099	-.00179	.00080	Q.00710	.00297	-.00028
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00244	.00017
SDev	.00235	.00521
%RSD	96.219	3092.0
#1	.00422	-.00512
#2	.00332	.00528
#3	-.00022	.00035

Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34440	--	--	--	--	--	--
SDev	383.0007	--	--	--	--	--	--
%RSD	1.112090	--	--	--	--	--	--
#1	34247	--	--	--	--	--	--
#2	34191	--	--	--	--	--	--
#3	34881	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26726-SD1 Operator:
Run Time: 08/13/04 15:25:35
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.69349	.00168	.01937	.09193	.00621	.03131	3.5646
SDev	.00168	.00042	.00089	.00114	.00071	.00377	.0187
%RSD	.24277	25.285	4.5930	1.2376	11.341	12.036	.52574
#1	.69286	.00119	.01876	.09321	.00688	.03271	3.5707
#2	.69539	.00187	.01897	.09104	.00629	.03418	3.5795
#3	.69221	.00198	.02039	.09154	.00548	.02705	3.5435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11328	.00083	.00063	.34361	L-.00977	.02969	.01943
SDev	.00799	.00089	.00086	.00347	.01393	.01999	.00362
%RSD	7.0508	107.56	136.01	1.0100	142.62	67.318	18.629
#1	.11789	.00097	-.00023	.34483	.00462	.04796	.02319
#2	.10405	-.00012	.00148	.34631	L-.02318	.00834	.01913
#3	.11788	.00165	.00064	.33970	L-.01074	.03279	.01597
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01205	L-.02211	.05213	H2236.9	3.1687	40.777	20.539
SDev	.00612	.00582	.03105	13.1	.0282	.161	.149
%RSD	50.756	26.345	59.570	.58639	.88941	.39416	.72352
#1	.01532	L-.01735	.02049	H2240.5	3.1483	40.703	20.509
#2	.01584	L-.02860	.05333	H2247.8	3.1569	40.962	20.701
#3	.00499	L-.02037	.08256	H2222.3	3.2008	40.668	20.408
Errors	LC Pass	LC Low	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	38.718	.01581	.00896	H45.911	.01578	-.01239	.03358
SDev	.351	.00457	.00214	.170	.00427	.01952	.01486
%RSD	.90661	28.917	23.925	.36933	27.074	157.60	44.250
#1	38.802	.01853	.00801	H45.937	.01729	-.03493	.05049
#2	38.333	.01837	.01141	H46.067	.01096	-.00138	.02762
#3	39.019	.01053	.00745	H45.730	.01910	-.00086	.02262
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01697	.00783
SDev	.01211	.01394
%RSD	71.376	177.99
#1	.02199	.01023
#2	.00315	.02041
#3	.02576	-.00715
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34045	--	--	--	--	--	--
SDev	8.918765	--	--	--	--	--	--
%RSD	.0261974	--	--	--	--	--	--
#1	34048	--	--	--	--	--	--
#2	34034	--	--	--	--	--	--
#3	34051	--	--	--	--	--	--

Method: EPA3 Sample Name: ACID1L8-13-3 Operator:
Run Time: 08/13/04 15:36:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00007	.00037	.00042	-.00052	-.00030	.00002
SDev	.00015	.00003	.00024	.00022	.00018	.00035	.00009
%RSD	218.49	40.786	63.992	52.126	34.794	116.72	541.73
#1	-.00007	.00005	.00010	.00048	-.00033	-.00065	.00008
#2	.00006	.00005	.00055	.00060	-.00054	-.00029	.00005
#3	.00022	.00010	.00045	.00018	-.00069	.00004	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.00003	-.00024	.00571	-.00147	.00064	.00083
SDev	.00047	.00011	.00019	.00009	.00162	.00466	.00190
%RSD	175.92	360.81	80.208	1.5597	109.77	723.64	228.36
#1	-.00027	.00000	-.00046	.00565	-.00048	-.00252	-.00051
#2	.00049	-.00006	-.00013	.00581	-.00060	-.00155	.00300
#3	.00058	.00016	-.00013	.00567	-.00334	.00600	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00125	-.00314	-.02744	.12565	-.00207	-.01338	-.28901
SDev	.00115	.00095	.00254	.02263	.00313	.00271	.01887
%RSD	92.059	30.149	9.2558	18.014	151.09	20.240	6.5291
#1	-.00038	-.00367	-.03033	.14744	.00056	-.01483	-.31080
#2	-.00256	-.00370	-.02558	.12723	-.00554	-.01026	-.27809
#3	-.00082	-.00205	-.02641	.10226	-.00124	-.01506	-.27815
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.66720	.00020	.00100	-.00677	.00528	-.00076	.00129
SDev	.09904	.00122	.00003	.00249	.00157	.00295	.00183
%RSD	14.845	619.19	2.8835	36.822	29.819	388.88	142.12
#1	-.77643	-.00088	.00103	-.00928	.00629	-.00094	-.00062
#2	-.58323	-.00006	.00099	-.00673	.00608	.00228	.00302
#3	-.64195	.00153	.00098	-.00430	.00347	-.00362	.00146
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00220	-.00329
SDev	.00242	.00295
%RSD	110.23	89.680
#1	.00089	-.00131
#2	.00499	-.00668
#3	.00071	-.00188
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35479	--	--	--	--	--	--
SDev	558.7601	--	--	--	--	--	--
%RSD	1.574918	--	--	--	--	--	--
#1	36122	--	--	--	--	--	--
#2	35204	--	--	--	--	--	--
#3	35110	--	--	--	--	--	--

Method: EPA3 Sample Name: ACID.5L8-13-3 Operator:
Run Time: 08/13/04 15:44:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.00005	.00017	.00025	-.00020	.00034	-.00012
SDev	.00010	.00002	.00013	.00013	.00024	.00045	.00003
%RSD	87.888	32.099	73.550	51.034	120.59	134.97	23.893
#1	.00022	.00006	.00032	.00017	.00008	-.00006	-.00009
#2	.00005	.00003	.00008	.00039	-.00034	.00083	-.00013
#3	.00006	.00005	.00011	.00017	-.00033	.00023	-.00014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00155	.00030	-.00007	.00253	-.00132	.00541	-.00006
SDev	.00112	.00021	.00124	.00033	.00528	.00511	.00221
%RSD	71.997	70.308	1697.5	13.174	400.63	94.561	3583.8
#1	.00047	.00041	-.00128	.00224	-.00052	.00020	.00224
#2	.00149	.00043	.00120	.00247	L-.00695	.00560	-.00025
#3	.00270	.00006	-.00013	.00290	.00352	.01042	-.00217
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00128	-.00089	-.02771	.07577	-.00536	-.01317	-.32758
SDev	.00230	.00235	.00080	.02878	.00373	.00297	.06331
%RSD	180.39	263.21	2.8755	37.991	69.694	22.521	19.326
#1	-.00053	-.00207	-.02688	.09889	-.00964	-.01311	-.28988
#2	-.00386	-.00242	-.02778	.08488	-.00280	-.01023	-.29220
#3	.00056	.00181	-.02847	.04353	-.00363	-.01616	-.40067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.70275	-.00007	.00126	-.00175	.00295	-.00175	.00045
SDev	.05326	.00110	.00025	.00179	.00181	.00395	.00381
%RSD	7.5793	1486.6	19.547	102.21	61.252	225.49	855.47
#1	-.69610	-.00083	.00154	-.00122	.00127	-.00361	.00482
#2	-.65312	.00119	.00109	-.00028	.00486	.00278	-.00211
#3	-.75902	-.00058	.00114	-.00375	.00271	-.00442	-.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00239	-.00345
SDev	.00105	.00294
%RSD	43.949	85.248
#1	.00293	-.00260
#2	.00118	-.00672
#3	.00307	-.00102
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35543	--	--	--	--	--	--
SDev	483.5709	--	--	--	--	--	--
%RSD	1.360516	--	--	--	--	--	--
#1	35377	--	--	--	--	--	--
#2	35165	--	--	--	--	--	--
#3	36088	--	--	--	--	--	--

Method: EPA3 Sample Name: CRIB Operator:
Run Time: 08/13/04 16:11:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40526	.01062	.00862	.10462	.02128	.05244	.03090
SDev	.00323	.00006	.00039	.00047	.00052	.00084	.00017
%RSD	.79663	.52680	4.5329	.44833	2.4525	1.5940	.55446
#1	.40213	.01056	.00905	.10412	.02105	.05148	.03075
#2	.40858	.01067	.00829	.10505	.02091	.05286	.03088
#3	.40507	.01064	.00851	.10469	.02188	.05299	.03109
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.01000	.00800	.10000	.02000	.05000	.03000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08379	.01983	.10172	.04292	.01035	.01453	.00636
SDev	.00113	.00034	.00050	.00030	.00482	.00063	.00097
%RSD	1.3496	1.6894	.49031	.69325	46.577	4.3445	15.265
#1	.08509	.01974	.10135	.04262	.00758	.01519	.00657
#2	.08318	.01955	.10229	.04321	.00756	.01446	.00721
#3	.08310	.02020	.10153	.04293	Q.01592	Q.01393	.00530
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.08000	.02000	.10000	.04000	.01000	.02000	.00600
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01029	.00798	.38448	5.1004	.17866	5.0744	4.8975
SDev	.00102	.00046	.00744	.0295	.00664	.0315	.0470
%RSD	9.8789	5.7889	1.9353	.57792	3.7185	.62141	.95965
#1	.00914	.00745	.37631	5.0674	.17881	5.0402	4.8471
#2	.01068	.00825	.38625	5.1239	.17194	5.1023	4.9401
#3	.01106	.00825	.39087	5.1101	.18522	5.0808	4.9055
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.01000	.40000	5.0000	.20000	5.0000	5.0000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7331	.02204	.11073	.41797	.02456	.00593	.00617
SDev	.1766	.00030	.00110	.00509	.00209	.00202	.00139
%RSD	3.7321	1.3379	.99038	1.2167	8.5003	34.061	22.498
#1	4.6386	.02176	.11006	.41213	.02221	.00821	.00536
#2	4.9369	.02202	.11013	.42140	Q.02618	.00522	.00778
#3	4.6239	.02235	.11199	.42038	.02531	.00436	.00539
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	.02000	.10000	.40000	.02000
Range	30.000	30.000	30.000	30.000	30.000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00989	.01015
SDev	.00265	.00226
%RSD	26.760	22.251
#1	.01010	.00832
#2	.01243	.00946
#3	.00715	.01267
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34603	--	--	--	--	--	--
SDev	62.15447	--	--	--	--	--	--
%RSD	.1796233	--	--	--	--	--	--
#1	34673	--	--	--	--	--	--
#2	34581	--	--	--	--	--	--
#3	34554	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSA Operator:
Run Time: 08/13/04 16:19:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00390	.00031	.00102	.00294	-.00053	.00173	-.00109
SDev	.00002	.00002	.00019	.00036	.00014	.00068	.00022
%RSD	.45384	7.2073	19.010	12.275	26.280	38.938	20.636
#1	.00389	.00034	.00115	.00272	-.00064	.00247	-.00123
#2	.00389	.00030	.00080	.00335	-.00057	.00158	-.00083
#3	.00392	.00030	.00112	.00274	-.00037	.00115	-.00120
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00080	-.00003	.00256	.00016	-.00075	.00560	-.00125
SDev	.00091	.00025	.00143	.00053	.00164	.01037	.00114
%RSD	112.85	900.69	55.738	336.19	219.20	185.24	90.835
#1	.00042	-.00001	.00415	-.00002	.00113	Q.01442	-.00235
#2	.00015	-.00029	.00213	.00075	-.00153	.00820	-.00008
#3	.00184	.00021	.00139	-.00026	-.00184	-.00583	-.00132
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00121	-.00312	520.91	520.67	191.01	513.11	-.15034
SDev	.00361	.00292	18.28	17.42	6.91	17.79	.05330
%RSD	298.80	93.536	3.5097	3.3454	3.6161	3.4676	35.457
#1	-.00324	-.00497	536.53	536.56	196.84	528.51	-.10109
#2	.00296	.00025	525.39	523.40	192.82	517.19	-.14299
#3	-.00335	-.00465	500.80	502.05	183.38	493.63	-.20694
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.57549	.00099	-.00052	.05489	.00541	.00047	-.00257
SDev	.11817	.00139	.00076	.00634	.00385	.00166	.00092
%RSD	20.535	139.77	146.72	11.548	71.227	354.16	35.685
#1	-.54060	.00259	-.00110	.06110	.00983	-.00133	-.00333
#2	-.70718	.00033	-.00079	.05515	.00365	.00194	-.00[illegible]
#3	-.47868	.00006	.00034	.04843	.00275	.00079	-.00282
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	5.0000	.00500	.05000	.20000	.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00330	-.00053
SDev	.00904	.00370
%RSD	273.82	702.26
#1	-.00090	-.00479
#2	.00430	.00193
#3	-.01330	.00127
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32960	--	--	--	--	--	--
SDev	817.4965	--	--	--	--	--	--
%RSD	2.480268	--	--	--	--	--	--
#1	32190	--	--	--	--	--	--
#2	32873	--	--	--	--	--	--
#3	33818	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSAB Operator:
Run Time: 08/13/04 16:27:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50886	.47255	.96457	.49618	.47794	.50785	.48411
SDev	.00106	.00067	.00290	.00120	.00056	.00073	.00060
%RSD	.20785	.14096	.30064	.24237	.11744	.14321	.12479
#1	.50914	.47320	.96624	.49591	.47854	.50825	.48456
#2	.50975	.47257	.96624	.49749	.47785	.50830	.48434
#3	.50769	.47186	.96122	.49513	.47743	.50701	.48342
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98537	1.0039	.49137	.95265	1.0389	.96569	1.0027
SDev	.00263	.0015	.00187	.00153	.0043	.00401	.0023
%RSD	.26711	.15036	.37978	.16076	.40973	.41515	.23297
#1	.98828	1.0053	.49156	.95360	1.0347	.96309	1.0046
#2	.98468	1.0041	.49314	.95346	1.0387	.96366	1.0035
#3	.98316	1.0023	.48942	.95088	1.0432	.97030	1.0001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0196	1.0137	533.10	542.17	202.82	518.23	-.16668
SDev	.0047	.0019	.48	1.00	.13	.69	.00676
%RSD	.46395	.18941	.09007	.18369	.06222	.13235	4.0561
#1	1.0249	1.0150	533.38	542.96	202.94	518.95	-.15913
#2	1.0157	1.0146	533.37	542.50	202.83	518.17	-.17216
#3	1.0182	1.0115	532.54	541.05	202.68	517.58	-.16876
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.53744	.49266	.53447	.12446	.00484	.99775	1.0047
SDev	.04574	.00062	.00137	.00069	.00631	.00248	.0024
%RSD	8.5101	.12655	.25646	.55807	130.48	.24835	.23476
#1	-.48607	.49328	.53475	.12488	.00078	1.0002	1.0064
#2	-.55252	.49266	.53297	.12366	.00162	.99782	1.0058
#3	-.57374	.49203	.53567	.12484	.01211	.99524	1.0031
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value		.50000	.50000
Range		.10000	.10000
Elem	1960/1	1960/2	
Units	ppm	ppm	
Avge	1.0121	1.0230	
SDev	.0053	.0083	
%RSD	.52428	.81162	
#1	1.0119	1.0310	
#2	1.0176	1.0145	
#3	1.0070	1.0235	
Errors	NOCHECK	NOCHECK	
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32781	--	--	--	--	--	--
SDev	96.28804	--	--	--	--	--	--
%RSD	.2937354	--	--	--	--	--	--
#1	32676	--	--	--	--	--	--
#2	32800	--	--	--	--	--	--
#3	32866	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/13/04 16:34:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0147	2.0438	1.9999	2.0058	2.0075	2.0136	2.0084
SDev	.0027	.0202	.0215	.0190	.0216	.0024	.0171
%RSD	.13483	.98758	1.0768	.94552	1.0750	.12166	.85000
#1	2.0140	2.0668	2.0244	2.0269	2.0315	2.0126	2.0274
#2	2.0125	2.0287	1.9840	1.9903	1.9898	2.0118	1.9944
#3	2.0177	2.0360	1.9913	2.0000	2.0012	2.0164	2.0034
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0019	.25092	1.9880	2.0059	2.0090	1.9587	2.0103
SDev	.0171	.00176	.0139	.0292	.0114	.0162	.0171
%RSD	.85614	.70255	.70032	1.4562	.56883	.82918	.85098
#1	2.0207	.25289	2.0026	2.0390	2.0206	1.9774	2.0297
#2	1.9870	.24950	1.9749	1.9840	1.9977	1.9502	1.9974
#3	1.9981	.25038	1.9863	1.9946	2.0087	1.9485	2.0038
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0328	2.0033	40.350	39.914	40.507	40.566	40.520
SDev	.0062	.0104	.107	.470	.402	.334	.074
%RSD	.30513	.52064	.26411	1.1772	.99157	.82443	.18161
#1	2.0400	2.0153	40.430	40.451	40.956	40.945	40.473
#2	2.0294	1.9978	40.229	39.581	40.182	40.313	40.483
#3	2.0291	1.9968	40.391	39.709	40.383	40.440	40.605
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.646	1.9903	2.0042	5.1007	1.9804	2.0034	2.0132
SDev	.401	.0170	.0077	.0194	.0189	.0171	.0172
%RSD	.98639	.85498	.38579	.38061	.95636	.85240	.85607
#1	41.089	2.0081	2.0118	5.1213	2.0022	2.0225	2.0329
#2	40.308	1.9742	1.9963	5.0827	1.9708	1.9895	2.0008
#3	40.541	1.9886	2.0045	5.0980	1.9682	1.9984	2.0086
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0173	2.0403
SDev	.0020	.0083
%RSD	.10056	.40717
#1	2.0196	2.0499
#2	2.0158	2.0358
#3	2.0164	2.0352
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33983	--	--	--	--	--	--
SDev	118.3090	--	--	--	--	--	--
%RSD	.3481424	--	--	--	--	--	--
#1	34096	--	--	--	--	--	--
#2	33993	--	--	--	--	--	--
#3	33860	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/13/04 16:42:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00067	Q.00056	Q.00091	.00077	.00020	.00112	.00022
SDev	.00014	.00008	.00039	.00029	.00026	.00053	.00014
%RSD	20.214	15.140	42.552	37.518	126.75	47.645	63.179
#1	.00063	Q.00061	Q.00129	.00108	.00008	.00169	.00037
#2	.00083	Q.00060	Q.00092	.00073	.00049	.00103	.00017
#3	.00057	.00046	.00052	.00050	.00003	.00063	.00011
Errors	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00088	-.00001	.00036	.00061	-.00303	.00707	.00090
SDev	.00051	.00017	.00009	.00012	.00146	.00413	.00130
%RSD	57.802	1690.6	26.254	19.297	48.227	58.372	144.82
#1	.00064	.00018	.00042	.00059	-.00142	Q.01087	-.00025
#2	.00054	-.00014	.00025	.00073	-.00339	.00268	.00230
#3	.00147	-.00007	.00040	.00050	-.00428	.00765	.00063
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	.00039	Q.04416	.05038	.03853	.05761	-.27581
SDev	.00142	.00477	.03129	.04036	.01544	.03486	.03047
%RSD	245.66	1213.6	70.858	80.115	40.071	60.511	11.046
#1	.00132	Q.00557	.02357	.02370	.02779	.03851	-.24651
#2	-.00106	-.00056	Q.08017	.09681	Q.05622	.09785	-.27361
#3	.00147	-.00383	.02875	.03062	.03158	.03648	-.30732
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.40144	.00016	.00146	-.00226	.00210	.00014	.00092
SDev	.01728	.00104	.00102	.00453	.00072	.00504	.00296
%RSD	4.3033	646.47	69.867	200.16	34.282	3728.8	320.43
#1	-.40008	.00104	.00250	.00053	.00148	-.00420	.00137
#2	-.41936	.00043	.00047	.00017	.00192	-.00106	.00363
#3	-.38489	-.00098	.00140	-.00749	.00289	.00567	-.00226
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00233	-.00062
SDev	.00177	.00228
%RSD	76.054	368.60
#1	.00420	-.00043
#2	.00210	-.00299
#3	.00068	.00156
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34037	--	--	--	--	--	--
SDev	502.5331	--	--	--	--	--	--
%RSD	1.476429	--	--	--	--	--	--
#1	33528	--	--	--	--	--	--
#2	34050	--	--	--	--	--	--
#3	34533	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26785-MB1 Operator:
Run Time: 08/13/04 16:54:50
Comment: 1
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	.00011	.00042	.00036	-.00036	.00141	.00453
SDev	.00015	.00003	.00023	.00061	.00002	.00083	.00352
%RSD	52.507	27.396	53.867	172.38	6.5913	58.900	77.647
#1	.00044	.00008	.00032	-.00015	-.00038	.00236	.00825
#2	.00024	.00011	.00068	.00104	-.00037	.00082	.00411
#3	.00016	.00014	.00026	.00018	-.00034	.00105	.00125
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00181	.00004	.00132	.00071	-.00122	.00574	.00052
SDev	.00085	.00049	.00256	.00044	.00540	.00105	.00083
%RSD	46.754	1396.6	194.47	62.232	442.76	18.240	161.22
#1	.00166	-.00052	.00417	.00122	.00445	.00597	.00145
#2	.00105	.00021	.00055	.00049	L-.00630	.00460	.00022
#3	.00272	.00042	-.00077	.00043	-.00180	.00665	-.00013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00084	-.00109	.00198	.06048	.02490	.03342	-.26695
SDev	.00183	.00032	.02124	.01978	.01313	.00538	.01323
%RSD	218.18	29.552	1072.5	32.699	52.751	16.093	4.9575
#1	.00121	-.00100	-.01733	.08293	.02014	.03685	-.25168
#2	-.00233	-.00081	-.00146	.05287	.01481	.02722	-.27403
#3	-.00139	-.00144	.02473	.04564	.03974	.03619	-.27513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.54440	.00153	.00019	.01006	.00608	.00678	-.00298
SDev	.06199	.00232	.00244	.02141	.00299	.01244	.00497
%RSD	11.387	151.89	1306.7	212.84	49.112	183.41	166.69
#1	-.47621	.00406	-.00249	.03350	.00953	.02097	-.00865
#2	-.55964	-.00050	.00075	.00511	.00428	.00169	-.00086
#3	-.59735	.00102	.00230	-.00844	.00444	-.00230	.00116
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00748	-.00533
SDev	.00678	.00157
%RSD	90.704	29.385
#1	.01326	-.00518
#2	.00001	-.00385
#3	.00916	-.00697
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34632	--	--	--	--	--	--
SDev	574.0211	--	--	--	--	--	--
%RSD	1.657487	--	--	--	--	--	--
#1	33977	--	--	--	--	--	--
#2	34873	--	--	--	--	--	--
#3	35046	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26785-LC1 Operator:
Run Time: 08/13/04 17:02:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51809	.52515	.52351	.52408	.51662	.52930	.52827
SDev	.00513	.00459	.00460	.00452	.00384	.00510	.00255
%RSD	.99070	.87447	.87802	.86254	.74375	.96430	.48282
#1	.52316	.52957	.52793	.52898	.51932	.53467	.52992
#2	.51824	.52547	.52385	.52320	.51832	.52871	.52533
#3	.51289	.52041	.51876	.52007	.51222	.52451	.52955
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.40000	.40000	.40000	.40000	.40000	.40000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51972	.19921	.51206	.52891	.51579	.49723	.52709
SDev	.00760	.00186	.01088	.00419	.00707	.01255	.00911
%RSD	1.4619	.93443	2.1240	.79225	1.3714	2.5244	1.7285
#1	.52618	.20131	.52168	.53302	.52246	.50874	.52016
#2	.52162	.19855	.51425	.52907	.51653	.49909	.52370
#3	.51135	.19776	.50026	.52464	.50837	.48385	.53741
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.24000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.16000	.40000	.40000	.40000	.40000	.40000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49332	.51678	5.2059	6.1610	5.7115	6.0127	5.1134
SDev	.00805	.00535	.0434	.3780	.0392	.1616	.0423
%RSD	1.6312	1.0345	.83339	6.1359	.68621	2.6875	.82776
#1	.48708	.52263	5.2518	5.9683	5.7478	5.9430	5.1615
#2	.49048	.51215	5.2006	5.9181	5.7166	5.8977	5.0968
#3	.50240	.51555	5.1655	6.5965	5.6699	6.1975	5.0819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	6.0000	6.6000	6.6000	6.6000	6.0000
Low	.40000	.40000	4.0000	4.4000	4.4000	4.4000	4.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H6.2854	.52259	L-.00121	H.14747	L-.00419	.51585	.53226
SDev	.6455	.00713	.00129	.07722	.00353	.01269	.01978
%RSD	10.269	1.3634	107.23	52.363	84.122	2.4596	3.7169
#1	5.9049	.52829	L-.00199	H.09923	L-.00208	.52148	.51905
#2	5.9207	.52489	L-.00192	H.10665	L-.00223	.52475	.52273
#3	H7.0307	.51460	H.00029	H.23654	L-.00826	.50132	.55[illegible]
Errors	LC High	LC Pass	LC Low	LC High	LC Low	NOCHECK	NOCHECK

1260

High	6.0000	.60000	.00000	.00000	.00000
Low	4.0000	.40000	.00000	.00000	.00000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.47615	.50154
SDev	.01737	.02073
%RSD	3.6483	4.1330
#1	.49114	.48468
#2	.48019	.49527
#3	.45711	.52469
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32990	--	--	--	--	--	--
SDev	256.2018	--	--	--	--	--	--
%RSD	.7766013	--	--	--	--	--	--
#1	32695	--	--	--	--	--	--
#2	33158	--	--	--	--	--	--
#3	33118	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26785-S1 Operator:
Run Time: 08/13/04 17:10:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9652	.04942	.04967	.48391	.19371	.25611	1.0821
SDev	.0209	.00033	.00036	.00246	.00096	.00324	.0117
%RSD	1.0624	.67147	.73402	.50729	.49461	1.2667	1.0778
#1	1.9604	.04930	.04957	.48296	.19264	.25476	1.0769
#2	1.9471	.04916	.04936	.48208	.19400	.25376	1.0740
#3	1.9881	.04979	.05007	.48670	.19450	.25981	1.0955
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48451	.04729	.47988	6.2614	1.9111	1.9052	.49308
SDev	.00246	.00104	.00223	.0224	.0125	.0049	.00243
%RSD	.50829	2.2105	.46441	.35780	.65427	.25506	.49366
#1	.48304	.04641	.48071	6.2563	1.9135	1.9011	.49128
#2	.48314	.04845	.47736	6.2420	1.8975	1.9039	.49211
#3	.48735	.04701	.48158	6.2859	1.9222	1.9105	.49585
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8556	.48870	2.4678	66.222	2.9025	49.070	26.538
SDev	.0121	.00882	.0399	1.602	.0881	.557	.339
%RSD	.65406	1.8055	1.6179	2.4186	3.0352	1.1344	1.2769
#1	1.8450	.47851	2.4481	65.399	2.8738	48.813	26.443
#2	1.8531	.49348	2.4415	65.200	2.8324	48.689	26.257
#3	1.8688	.49409	2.5137	68.068	3.0014	49.709	26.915
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	63.952	.00112	.00012	10.069	-.00136	.49400	.49215
SDev	.941	.00161	.00255	.219	.00426	.02063	.01280
%RSD	1.4715	144.00	2054.0	2.1751	314.28	4.1764	2.6006
#1	63.431	-.00073	-.00134	9.9683	.00349	.48863	.49217
#2	63.387	.00222	.00307	9.9180	-.00301	.51678	.47935
#3	65.039	.00186	-.00136	10.320	-.00454	.47658	.50422
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.8566	1.8548
SDev	.0428	.0336
%RSD	2.3059	1.8138
#1	1.8442	1.8450
#2	1.9042	1.8271
#3	1.8213	1.8923
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33738	--	--	--	--	--	--
SDev	637.1385	--	--	--	--	--	--
%RSD	1.888511	--	--	--	--	--	--
#1	34033	--	--	--	--	--	--
#2	34174	--	--	--	--	--	--
#3	33006	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26785-S2 Operator:
Run Time: 08/13/04 17:17:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9100	.04830	.04866	.47397	.18927	.24819	1.0568
SDev	.0075	.00018	.00057	.00201	.00116	.00121	.0035
%RSD	.39266	.37707	1.1642	.42432	.61144	.48816	.33339
#1	1.9036	.04810	.04809	.47165	.18817	.24746	1.0529
#2	1.9183	.04846	.04922	.47529	.19048	.24959	1.0597
#3	1.9081	.04834	.04867	.47496	.18917	.24753	1.0578
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47428	.04540	.47058	6.1645	1.8689	1.8555	.47465
SDev	.00464	.00046	.00189	.0228	.0129	.0058	.00460
%RSD	.97898	1.0212	.40249	.36959	.69037	.31278	.96838
#1	.46893	.04534	.46879	6.1386	1.8557	1.8498	.47697
#2	.47728	.04588	.47256	6.1815	1.8815	1.8553	.47762
#3	.47663	.04496	.47039	6.1733	1.8695	1.8614	.46936
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.7928	.47176	2.3779	64.359	2.8615	48.009	25.942
SDev	.0138	.00528	.0147	.253	.0112	.189	.137
%RSD	.77020	1.1193	.61709	.39350	.39218	.39468	.52738
#1	1.8023	.46853	2.3620	64.074	2.8507	47.797	25.849
#2	1.7991	.47785	2.3910	64.557	2.8731	48.162	26.099
#3	1.7769	.46888	2.3809	64.446	2.8608	48.067	25.878
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	62.509	.00090	-.00242	9.7279	.00008	.47258	.47528
SDev	.272	.00074	.00135	.0339	.00019	.00574	.00435
%RSD	.43445	82.229	55.626	.34821	235.07	1.2143	.91549
#1	62.328	.00010	-.00201	9.6920	.00023	.47750	.47618
#2	62.821	.00104	-.00133	9.7594	-.00013	.47396	.47911
#3	62.377	.00156	-.00393	9.7323	.00014	.46628	.47012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.7774	1.8001
SDev	.0479	.0038
%RSD	2.6939	.21260
#1	1.8143	1.7959
#2	1.7946	1.8010
#3	1.7233	1.8034
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34126	--	--	--	--	--	--
SDev	12.22020	--	--	--	--	--	--
%RSD	.0358092	--	--	--	--	--	--
#1	34115	--	--	--	--	--	--
#2	34139	--	--	--	--	--	--
#3	34123	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-7 Operator:
Run Time: 08/13/04 17:25:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02911	.00002	.00062	.00110	.00105	.00650	.60231
SDev	.00038	.00002	.00024	.00040	.00032	.00025	.00377
%RSD	1.2979	106.53	39.357	35.872	30.505	3.8314	.62510
#1	.02954	.00004	.00042	.00099	.00072	.00673	.60462
#2	.02881	-.00000	.00089	.00154	.00136	.00652	.59797
#3	.02899	.00002	.00055	.00077	.00105	.00624	.60435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00123	-.00043	.00186	5.8523	.00069	-.00340	.00631
SDev	.00073	.00043	.00046	.0300	.00064	.00272	.00083
%RSD	59.811	99.455	24.534	.51291	91.891	80.203	13.092
#1	.00102	-.00088	.00135	5.8664	.00107	-.00447	.00566
#2	.00204	-.00004	.00203	5.8179	.00104	-.00030	.00603
#3	.00062	-.00035	.00222	5.8728	-.00004	-.00542	.00724
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	.00166	.54214	40.224	2.0847	24.248	1.0479
SDev	.00182	.00152	.00487	.238	.0122	.154	.0125
%RSD	453.96	91.972	.89740	.59263	.58541	.63506	1.1942
#1	-.00042	.00296	.54594	40.330	2.0743	24.346	1.0430
#2	-.00086	.00203	.53666	39.951	2.0818	24.070	1.0386
#3	.00249	-.00002	.54382	40.391	2.0981	24.328	1.0621
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	38.753	.00036	-.00042	10.304	.00096	.00661	.00579
SDev	.202	.00020	.00074	.069	.00191	.00331	.00203
%RSD	.52135	55.668	174.18	.66659	199.04	50.036	35.079
#1	38.876	.00021	-.00121	10.347	-.00060	.00936	.00346
#2	38.520	.00059	.00026	10.225	.00309	.00294	.00717
#3	38.863	.00028	-.00032	10.340	.00039	.00753	.00674
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00483	.00267
SDev	.00100	.00316
%RSD	20.597	118.38
#1	-.00503	.00153
#2	-.00375	.00024
#3	-.00571	.00623
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34175	--	--	--	--	--	--
SDev	94.46191	--	--	--	--	--	--
%RSD	.2764092	--	--	--	--	--	--
#1	34228	--	--	--	--	--	--
#2	34230	--	--	--	--	--	--
#3	34066	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26785-SD1 Operator:
Run Time: 08/13/04 17:33:17
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04137	.00000	.00209	.00186	-.00152	.01070	.82445
SDev	.00178	.00012	.00046	.00334	.00254	.00154	.02425
%RSD	4.3102	56696.	21.987	179.37	166.42	14.410	2.9418
#1	.04342	.00004	.00209	-.00178	-.00318	.00910	.85035
#2	.04053	-.00013	.00255	.00259	-.00279	.01082	.82075
#3	.04016	.00010	.00163	.00478	.00140	.01218	.80226
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00279	-.00159	.00132	8.2860	-.00354	-.00906	.01740
SDev	.00472	.00336	.00224	.2281	.02055	.01171	.00268
%RSD	169.31	210.95	169.56	2.7525	579.99	129.16	15.387
#1	.00566	.00007	.00301	8.5313	-.00201	L-.02131	.01656
#2	-.00266	-.00547	.00218	8.2464	L-.02482	-.00790	.02040
#3	.00537	.00061	-.00122	8.0804	.01620	.00202	.01525
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.01246	.00702	.61335	57.403	2.8342	34.081	.52148
SDev	.00426	.00420	.03927	1.667	.0376	.980	.03995
%RSD	34.169	59.833	6.4023	2.9042	1.3257	2.8763	7.6605
#1	L-.01664	.00419	.65865	59.178	2.8297	35.110	.56603
#2	L-.01262	.01184	.58905	57.162	2.8738	33.973	.48884
#3	L-.00813	.00502	.59234	55.870	2.7991	33.159	.50956
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.079	.00221	-.00069	14.343	.00508	.00545	.02164
SDev	1.578	.00192	.00986	.447	.01499	.03246	.01435
%RSD	3.0304	86.644	1421.6	3.1154	295.31	596.01	66.321
#1	53.839	.00439	-.00368	14.816	.02028	.02946	.00837
#2	50.791	.00078	-.00871	14.284	.00464	.01836	.01068
#3	51.606	.00147	.01031	13.928	-.00969	-.03148	.03687
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.02387	-.00843
SDev	.02533	.01607
%RSD	106.09	190.69
#1	-.02895	-.01222
#2	.00361	-.02225
#3	-.04627	.00920
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34402	--	--	--	--	--	--
SDev	47.35665	--	--	--	--	--	--
%RSD	.1376551	--	--	--	--	--	--
#1	34425	--	--	--	--	--	--
#2	34434	--	--	--	--	--	--
#3	34348	--	--	--	--	--	--

Method: EPA3 Sample Name: N74027-2 Operator:
Run Time: 08/13/04 17:40:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14613	.00001	.00071	.00060	.00012	.03806	.20846
SDev	.00037	.00003	.00028	.00067	.00036	.00051	.00075
%RSD	.25570	551.26	39.203	112.91	301.59	1.3493	.35959
#1	.14621	.00004	.00064	.00052	-.00021	.03865	.20802
#2	.14572	-.00001	.00047	.00130	.00051	.03780	.20803
#3	.14645	-.00002	.00102	-.00004	.00007	.03773	.20932
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00228	-.00047	.00011	.22803	.00265	.00112	.00307
SDev	.00137	.00012	.00082	.00039	.00397	.00104	.00169
%RSD	59.954	26.049	751.98	.17118	149.84	93.183	54.982
#1	.00379	-.00040	.00103	.22791	-.00058	.00209	.00487
#2	.00192	-.00041	-.00018	.22772	.00708	.00001	.00151
#3	.00113	-.00062	-.00053	.22847	.00144	.00126	.00284
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00203	.00347	-.00921	66.724	.27593	15.428	4.0450
SDev	.00207	.00100	.00354	.178	.00458	.041	.0135
%RSD	101.93	28.902	38.446	.26626	1.6602	.26387	.33337
#1	-.00275	.00236	-.01260	66.523	.28104	15.388	4.0351
#2	-.00364	.00374	-.00554	66.790	.27455	15.426	4.0395
#3	.00030	.00431	-.00949	66.859	.27220	15.470	4.0603
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	177.50	.00089	.00022	8.8265	.00169	.00256	.00299
SDev	.41	.00085	.00165	.0104	.00206	.00480	.00023
%RSD	.22955	95.570	764.44	.11807	121.68	187.37	7.7256
#1	177.13	.00160	-.00116	8.8173	-.00044	.00745	.00322
#2	177.43	.00114	.00205	8.8244	.00367	-.00214	.00298
#3	177.94	-.00006	-.00024	8.8378	.00185	.00237	.00276
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00522	-.00076
SDev	.00653	.00152
%RSD	124.95	200.10
#1	-.00398	-.00250
#2	-.01228	.00036
#3	.00059	-.00015
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33709	--	--	--	--	--	--
SDev	44.58712	--	--	--	--	--	--
%RSD	.1322694	--	--	--	--	--	--
#1	33685	--	--	--	--	--	--
#2	33761	--	--	--	--	--	--
#3	33682	--	--	--	--	--	--

Method: EPA3 Sample Name: N74038-2 Operator:
Run Time: 08/13/04 17:48:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15728	.00001	.00343	.00084	.00212	.00764	.21811
SDev	.00014	.00002	.00002	.00038	.00064	.00019	.00025
%RSD	.08703	249.28	.53576	45.522	30.062	2.5423	.11368
#1	.15713	.00004	.00344	.00062	.00139	.00772	.21785
#2	.15740	.00000	.00341	.00062	.00247	.00742	.21834
#3	.15731	-.00001	.00344	.00128	.00251	.00778	.21815
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00323	-.00030	.00131	.03615	.00217	-.00409	.00269
SDev	.00152	.00044	.00010	.00008	.00383	.00357	.00028
%RSD	47.076	144.46	7.3637	.20937	176.32	87.100	10.298
#1	.00159	-.00080	.00142	.03615	-.00211	-.00686	.00257
#2	.00350	-.00011	.00127	.03623	.00528	-.00535	.00249
#3	.00460	.00001	.00124	.03608	.00334	-.00007	.00301
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	.00349	.03977	88.256	10.902	5.7569	6.9590
SDev	.00348	.00338	.00291	.230	.042	.0161	.0088
%RSD	870.89	96.749	7.3108	.26080	.38214	.27883	.12707
#1	-.00314	.00614	.03643	88.079	10.895	5.7516	6.9488
#2	-.00158	.00465	.04110	88.516	10.946	5.7749	6.9649
#3	.00352	-.00031	.04176	88.172	10.864	5.7442	6.9633
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.888	.00035	.00084	10.479	.00042	.00204	.00265
SDev	.061	.00124	.00099	.017	.00200	.00453	.00200
%RSD	.51719	355.59	118.03	.16162	478.70	222.55	75.677
#1	11.833	-.00067	.00001	10.471	.00139	.00408	.00142
#2	11.955	.00173	.00194	10.498	.00175	-.00316	.00496
#3	11.876	-.00001	.00058	10.467	-.00188	.00518	.00186
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00330	.00071
SDev	.00371	:00383
%RSD	112.36	538.09
#1	-.00403	-.00304
#2	-.00659	.00057
#3	.00072	.00461
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33943	--	--	--	--	--	--
SDev	9.643931	--	--	--	--	--	--
%RSD	.0284122	--	--	--	--	--	--
#1	33933	--	--	--	--	--	--
#2	33952	--	--	--	--	--	--
#3	33944	--	--	--	--	--	--

Method: EPA3 Sample Name: N74038-4 Operator:
Run Time: 08/13/04 17:56:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2454	.00001	.00280	.00285	.00195	.02086	.67915
SDev	.0083	.00003	.00017	.00057	.00033	.00046	.00449
%RSD	.66937	220.55	5.9905	19.923	17.174	2.1944	.66173
#1	1.2493	.00002	.00277	.00234	.00168	.02070	.68126
#2	1.2510	.00004	.00265	.00346	.00232	.02138	.68220
#3	1.2358	-.00002	.00298	.00276	.00184	.02051	.67399
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00390	-.00004	.00330	.02020	.00145	-.00283	.02422
SDev	.00082	.00025	.00074	.00050	.00647	.00214	.00115
%RSD	20.958	564.96	22.352	2.4750	446.20	75.578	4.7330
#1	.00386	.00007	.00413	.02040	L-.00524	-.00237	.02403
#2	.00473	.00012	.00305	.02056	.00769	-.00096	.02318
#3	.00310	-.00033	.00272	.01963	.00190	-.00517	.02545
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00063	.00119	.05260	207.72	79.416	25.539	25.555
SDev	.00295	.00127	.00157	1.46	.537	.168	.147
%RSD	467.06	107.18	2.9815	.70227	.67631	.65590	.57391
#1	.00107	.00057	.05438	208.18	79.628	25.588	25.654
#2	.00334	.00265	.05142	208.90	79.816	25.677	25.625
#3	-.00251	.00034	.05200	206.09	78.806	25.353	25.387
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	194.92	.00075	-.00048	25.137	.00104	.02172	.02506
SDev	.92	.00101	.00088	.150	.00436	.00454	.00200
%RSD	.47205	134.29	182.30	.59543	418.21	20.900	7.9833
#1	195.07	.00152	.00008	25.213	.00361	.02574	.02277
#2	195.75	.00113	-.00003	25.233	.00351	.01680	.02596
#3	193.93	-.00039	-.00149	24.964	-.00399	.02262	.02274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00468	.00293
SDev	.00386	.00254
%RSD	82.363	86.834
#1	-.00335	.00291
#2	-.00167	.00548
#3	-.00903	.00039
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33559	--	--	--	--	--	--
SDev	192.9543	--	--	--	--	--	--
%RSD	.5749714	--	--	--	--	--	--
#1	33410	--	--	--	--	--	--
#2	33490	--	--	--	--	--	--
#3	33777	--	--	--	--	--	--

Method: EPA3 Sample Name: N74038-10 Operator:
Run Time: 08/13/04 18:04:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19926	.00003	.00121	.00130	.00167	.01231	1.2618
SDev	.00071	.00000	.00022	.00028	.00004	.00031	.0032
%RSD	.35384	6.6557	18.141	21.739	2.1428	2.5212	.25759
#1	.19997	.00004	.00146	.00100	.00165	.01196	1.2640
#2	.19926	.00003	.00106	.00156	.00165	.01243	1.2634
#3	.19856	.00003	.00110	.00133	.00171	.01254	1.2581
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00255	-.00054	.00392	.01226	.00194	-.00070	.00719
SDev	.00077	.00031	.00052	.00021	.00149	.00332	.00232
%RSD	30.099	57.581	13.383	1.6853	76.992	475.52	32.306
#1	.00257	-.00071	.00439	.01219	.00229	-.00452	.00525
#2	.00330	-.00018	.00336	.01249	.00323	.00133	.00655
#3	.00177	-.00072	.00401	.01209	.00030	.00111	.00976
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00167	.00031	.50305	130.74	12.369	16.328	17.901
SDev	.00164	.00400	.00430	.28	.067	.046	.046
%RSD	98.267	1278.6	.85460	.21481	.54500	.27942	.25732
#1	.00306	-.00259	.50491	130.93	12.392	16.364	17.954
#2	.00209	-.00134	.50610	130.87	12.422	16.344	17.873
#3	-.00014	.00487	.49813	130.42	12.293	16.277	17.877
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	347.97	.00241	-.00028	18.524	.00287	.00590	.00744
SDev	1.05	.00168	.00088	.058	.00123	.00187	.00259
%RSD	.30041	69.862	315.48	.31432	42.677	31.667	34.868
#1	348.97	.00404	-.00110	18.571	.00195	.00489	.00507
#2	348.07	.00069	.00065	18.542	.00426	.00475	.00705
#3	346.88	.00249	-.00038	18.459	.00240	.00805	.01077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00175	.00304
SDev	.00220	.00291
%RSD	125.64	95.645
#1	-.00043	.00445
#2	-.00429	.00497
#3	-.00053	-.00030
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33299	--	--	--	--	--	--
SDev	138.7364	--	--	--	--	--	--
%RSD	.4166325	--	--	--	--	--	--
#1	33176	--	--	--	--	--	--
#2	33273	--	--	--	--	--	--
#3	33450	--	--	--	--	--	--

Method: EPA3 | Sample Name: CCV | Operator:
Run Time: 08/13/04 18:11:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0401	2.0949	2.0501	2.0552	2.0497	2.0543	2.0534
SDev	.0172	.0214	.0207	.0212	.0209	.0176	.0201
%RSD	.84466	1.0207	1.0085	1.0301	1.0174	.85854	.98063
#1	2.0207	2.0715	2.0277	2.0318	2.0268	2.0345	2.0315
#2	2.0538	Q2.1135	2.0683	2.0731	2.0676	2.0685	2.0711
#3	2.0456	2.0996	2.0544	2.0606	2.0547	2.0597	2.0574
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0454	.25498	2.0243	2.0612	2.0491	1.9811	2.0479
SDev	.0206	.00177	.0135	.0185	.0296	.0216	.0455
%RSD	1.0082	.69529	.66815	.89671	1.4433	1.0897	2.2202
#1	2.0239	.25312	2.0133	2.0411	2.0154	1.9717	1.9961
#2	2.0650	.25665	2.0394	2.0774	2.0708	2.0058	2.0811
#3	2.0474	.25516	2.0203	2.0653	2.0611	1.9659	2.0665
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0430	2.0506	41.102	40.858	41.216	41.265	41.253
SDev	.0621	.0229	.365	.392	.417	.383	.352
%RSD	3.0392	1.1181	.88752	.96026	1.0120	.92809	.85322
#1	1.9717	2.0244	40.692	40.432	40.775	40.843	40.847
#2	2.0847	2.0671	41.391	41.205	41.605	41.590	41.440
#3	2.0726	2.0604	41.222	40.938	41.268	41.362	41.471
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.252	2.0215	2.0402	5.2006	2.0237	2.0547	2.0440
SDev	.176	.0184	.0168	.0503	.0169	.0260	.0562
%RSD	.42740	.91072	.82411	.96686	.83607	1.2645	2.7518
#1	41.049	2.0011	2.0216	5.1443	2.0065	2.0286	1.9793
#2	41.342	2.0368	2.0544	5.2411	2.0403	2.0806	2.0810
#3	41.366	2.0265	2.0447	5.2164	2.0245	2.0550	2.0[illegible]
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

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Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0534	2.0375
SDev	.0237	.0818
%RSD	1.1533	4.0136
#1	2.0279	1.9432
#2	2.0747	2.0894
#3	2.0577	2.0797
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33673	--	--	--	--	--	--
SDev	240.7356	--	--	--	--	--	--
%RSD	.7149148	--	--	--	--	--	--
#1	33906	--	--	--	--	--	--
#2	33426	--	--	--	--	--	--
#3	33688	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/13/04 18:19:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00112	Q.00078	Q.00130	.00253	.00122	.00235	.00065
SDev	.00063	.00041	.00110	.00266	.00233	.00216	.00057
%RSD	56.729	53.040	85.074	105.21	192.06	92.001	87.426
#1	.00044	.00046	.00048	.00061	-.00021	.00043	.00020
#2	.00169	Q.00124	Q.00255	Q.00556	Q.00391	Q.00469	.00129
#3	.00122	Q.00063	.00086	.00141	-.00006	.00193	.00046
Errors	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00260	.00086	.00080	.00135	-.00040	.00106	.00234
SDev	.00355	.00179	.00044	.00187	.00577	.00356	.00161
%RSD	136.77	207.57	54.514	137.89	1434.9	336.80	68.837
#1	.00081	-.00041	.00072	-.00009	-.00437	-.00267	.00193
#2	Q.00669	Q.00291	.00127	Q.00346	Q.00622	.00441	Q.00411
#3	.00030	.00009	.00041	.00069	-.00305	.00143	.00097
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00063	Q.00536	-.01544	-.00883	.02167	.00162	-.26098
SDev	.00088	.00798	.01646	.01186	.02997	.02422	.03225
%RSD	138.14	148.84	106.60	134.21	138.30	1497.5	12.357
#1	.00138	-.00116	-.02805	-.01667	-.00008	-.01695	-.27222
#2	-.00033	Q.01426	.00318	.00481	Q.05586	.02902	-.22462
#3	.00085	.00299	-.02145	-.01464	.00923	-.00722	-.28611
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.07374	.00077	.00526	.00380	.00144	-.00136	.00384
SDev	.64829	.00042	.00738	.02117	.00427	.00339	.00410
%RSD	879.14	53.954	140.15	557.51	295.86	249.82	106.88
#1	Q-.59514	.00035	-.00060	-.01272	.00359	.00004	.00254
#2	Q.65214	.00119	.01354	Q.02766	-.00347	-.00522	.00843
#3	-.27821	.00078	.00285	-.00355	.00421	.00111	.00[illegible]
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00259	.00189
SDev	.00096	.00177
%RSD	36.879	93.356
#1	-.00310	.00327
#2	-.00149	-.00010
#3	-.00318	.00251
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34222	--	--	--	--	--	--
SDev	427.5978	--	--	--	--	--	--
%RSD	1.249487	--	--	--	--	--	--
#1	34634	--	--	--	--	--	--
#2	34252	--	--	--	--	--	--
#3	33780	--	--	--	--	--	--

Method: EPA3 Sample Name: N74038-15 Operator:
Run Time: 08/13/04 18:27:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.92642	.00017	.00568	.00295	.00255	.03313	1.4128
SDev	.00511	.00005	.00039	.00034	.00063	.00030	.0113
%RSD	.55155	26.602	6.8871	11.485	24.785	.89910	.79985
#1	.93222	.00022	.00553	.00317	.00314	.03303	1.4258
#2	.92259	.00017	.00539	.00256	.00189	.03347	1.4072
#3	.92443	.00013	.00613	.00313	.00262	.03290	1.4054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00546	.00019	.00265	.10614	.03913	-.00772	.10118
SDev	.00078	.00017	.00065	.00056	.00152	.00546	.00155
%RSD	14.291	93.524	24.708	.52476	3.8755	70.708	1.5311
#1	.00630	.00038	.00310	.10678	.04058	-.00554	.10286
#2	.00530	.00005	.00190	.10577	.03756	-.00369	.10089
#3	.00477	.00013	.00294	.10587	.03926	L-.01393	.09981
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00260	.00483	.13695	112.64	45.745	9.2773	24.393
SDev	.00272	.00259	.00532	1.01	.317	.0767	.076
%RSD	104.62	53.530	3.8816	.89892	.69318	.82688	.31322
#1	.00567	.00337	.13857	113.81	46.109	9.3658	24.473
#2	.00045	.00782	.14127	112.12	45.590	9.2305	24.321
#3	.00169	.00330	.13101	112.00	45.535	9.2355	24.386
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	29.744	.00564	.00026	14.020	.00404	.10612	.09817
SDev	.185	.00131	.00122	.087	.00133	.01672	.00622
%RSD	.62034	23.283	470.11	.62121	32.855	15.759	6.3391
#1	29.949	.00669	.00167	14.120	.00252	.12543	.09103
#2	29.694	.00417	-.00051	13.967	.00462	.09674	.10242
#3	29.590	.00608	-.00039	13.971	.00498	.09620	.10[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1282

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00516	.00096
SDev	.01785	.00498
%RSD	346.12	516.53
#1	.02576	-.00475
#2	-.00583	.00324
#3	-.00446	.00440
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33180	--	--	--	--	--	--
SDev	310.5152	--	--	--	--	--	--
%RSD	.9358429	--	--	--	--	--	--
#1	32822	--	--	--	--	--	--
#2	33340	--	--	--	--	--	--
#3	33378	--	--	--	--	--	--

Method: EPA3 Sample Name: N74038-17 Operator:
Run Time: 08/13/04 18:34:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06061	.00007	.00114	.00035	.00111	.02621	.11382
SDev	.00046	.00002	.00015	.00040	.00034	.00032	.00041
%RSD	.75046	23.320	13.348	114.30	30.825	1.2101	.35699
#1	.06110	.00008	.00128	-.00003	.00078	.02646	.11425
#2	.06020	.00007	.00117	.00076	.00147	.02632	.11376
#3	.06052	.00005	.00098	.00031	.00108	.02586	.11344
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00146	-.00048	.00395	.02026	.00767	.00344	.00920
SDev	.00147	.00030	.00034	.00020	.00276	.00190	.00040
%RSD	100.48	64.010	8.7344	.98885	35.971	55.172	4.3858
#1	.00308	-.00082	.00362	.02046	.00523	.00251	.00955
#2	.00020	-.00026	.00431	.02006	.00711	.00563	.00929
#3	.00111	-.00034	.00391	.02025	.01066	.00219	.00876
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00107	.00790	.12608	22.409	.62340	1.3820	2.1817
SDev	.00206	.00279	.00178	.111	.01745	.0023	.0265
%RSD	192.57	35.317	1.4095	.49525	2.7991	.16524	1.2145
#1	.00276	.00576	.12404	22.522	.60677	1.3834	2.2072
#2	-.00122	.00688	.12727	22.405	.64157	1.3794	2.1834
#3	.00167	.01106	.12693	22.300	.62186	1.3833	2.1543
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	22.414	.00379	.00085	6.1967	.00081	.01117	.00786
SDev	.150	.00055	.00074	.0379	.00158	.00024	.00063
%RSD	.66755	14.493	86.905	.61179	195.13	2.1227	8.0348
#1	22.448	.00387	.00030	6.2394	.00028	.01132	.00831
#2	22.544	.00321	.00170	6.1837	.00259	.01090	.00812
#3	22.251	.00430	.00057	6.1670	-.00044	.01130	.00714
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00305	.00280
SDev	.00394	.00119
%RSD	129.09	42.533
#1	-.00048	.00403
#2	-.00759	.00164
#3	-.00109	.00274
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33510	--	--	--	--	--	--
SDev	260.7119	--	--	--	--	--	--
%RSD	.7780215	--	--	--	--	--	--
#1	33271	--	--	--	--	--	--
#2	33470	--	--	--	--	--	--
#3	33788	--	--	--	--	--	--

Method: EPA3 Sample Name: N74038-18 Operator:
Run Time: 08/13/04 18:42:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13935	.00009	.05026	.00301	.01028	.22421	.31135
SDev	.00036	.00003	.00036	.00027	.00048	.00052	.00043
%RSD	.25548	33.174	.71794	9.0594	4.6896	.23317	.13718
#1	.13910	.00012	.05027	.00272	.01049	.22469	.31110
#2	.13976	.00009	.04990	.00304	.01062	.22428	.31184
#3	.13919	.00006	.05062	.00327	.00973	.22365	.31110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00910	-.00026	.00687	.11819	.00689	.00115	.10119
SDev	.00032	.00060	.00046	.00010	.00508	.00546	.00020
%RSD	3.5340	233.17	6.6223	.08809	73.803	473.26	.19488
#1	.00873	-.00013	.00705	.11816	.00587	.00650	.10141
#2	.00930	-.00092	.00720	.11810	.00239	-.00442	.10103
#3	.00927	.00027	.00635	.11830	.01240	.00139	.10112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00092	.00039	1.5545	63.931	4.8667	6.6355	4.5990
SDev	.00300	.00142	.0073	.097	.0200	.0060	.0083
%RSD	325.16	361.71	.46772	.15121	.41176	.09026	.18042
#1	.00242	.00145	1.5537	63.839	4.8509	6.6322	4.6018
#2	-.00340	-.00123	1.5477	64.031	4.8893	6.6424	4.6056
#3	-.00178	.00096	1.5622	63.923	4.8600	6.6318	4.5897
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.147	.00702	-.00063	10.752	.01348	.10080	.10100
SDev	.104	.00099	.00091	.013	.00108	.00215	.00084
%RSD	1.0254	14.046	144.43	.11983	7.9951	2.1331	.83098
#1	10.099	.00815	-.00011	10.739	.01372	.10315	.10014
#2	10.266	.00644	-.00167	10.765	.01230	.10031	.10104
#3	10.075	.00646	-.00010	10.751	.01441	.09893	.10182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00205	-.00068
SDev	.00483	.00218
%RSD	235.27	319.03
#1	.00298	.00183
#2	-.00666	-.00209
#3	-.00248	-.00179
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34002	--	--	--	--	--	--
SDev	101.4522	--	--	--	--	--	--
%RSD	.2983702	--	--	--	--	--	--
#1	33897	--	--	--	--	--	--
#2	34099	--	--	--	--	--	--
#3	34010	--	--	--	--	--	--

Method: EPA3 Sample Name: N74038-19 Operator:
Run Time: 08/13/04 18:50:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21321	.00002	.00315	.00067	.00053	.00493	.22110
SDev	.00114	.00004	.00024	.00059	.00019	.00055	.00064
%RSD	.53327	226.50	7.7459	87.272	35.359	11.239	.29195
#1	.21313	.00005	.00312	.00135	.00071	.00514	.22075
#2	.21439	.00002	.00341	.00034	.00055	.00535	.22184
#3	.21212	-.00002	.00292	.00033	.00033	.00430	.22070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00162	-.00054	.00076	.02394	.00899	-.00271	.01323
SDev	.00240	.00022	.00063	.00016	.00193	.00134	.00063
%RSD	148.25	41.055	82.858	.65300	21.439	49.538	4.7413
#1	.00249	-.00073	.00010	.02388	.00810	-.00143	.01386
#2	-.00110	-.00030	.00136	.02383	.00768	-.00411	.01260
#3	.00346	-.00059	.00082	.02412	.01121	-.00260	.01323
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	.00207	.02721	36.549	7.5624	3.4385	6.5406
SDev	.00174	.00079	.00190	.123	.0416	.0088	.0234
%RSD	2630.9	38.094	6.9857	.33756	.54949	.25572	.35765
#1	-.00198	.00130	.02735	36.451	7.5224	3.4354	6.5250
#2	.00036	.00203	.02904	36.688	7.6053	3.4484	6.5675
#3	.00143	.00288	.02525	36.509	7.5595	3.4317	6.5294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	79.894	.00063	-.00071	10.399	-.00042	.00967	.01465
SDev	.300	.00050	.00068	.028	.00067	.00133	.00106
%RSD	.37560	78.754	95.284	.26508	157.28	13.715	7.2204
#1	79.563	.00076	.00006	10.380	-.00009	.00913	.01586
#2	80.148	.00105	-.00099	10.430	.00001	.00870	.01419
#3	79.972	.00008	-.00121	10.385	-.00119	.01118	.01390
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00133	.00025
SDev	.00500	.00255
%RSD	375.23	1017.0
#1	-.00258	-.00200
#2	-.00559	.00301
#3	.00417	-.00026
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33197	--	--	--	--	--	--
SDev	64.05467	--	--	--	--	--	--
%RSD	.1929543	--	--	--	--	--	--
#1	33206	--	--	--	--	--	--
#2	33129	--	--	--	--	--	--
#3	33256	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-1 Operator:
Run Time: 08/13/04 18:57:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12898	.00003	.00027	.00938	.00250	.00331	12.459
SDev	.00082	.00003	.00022	.00016	.00015	.00046	.056
%RSD	.63558	97.085	80.312	1.7128	6.1925	13.879	.45175
#1	.12879	.00004	.00002	.00927	.00264	.00383	12.455
#2	.12988	-.00000	.00036	.00956	.00233	.00298	12.517
#3	.12828	.00005	.00043	.00931	.00253	.00311	12.405
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00274	.00100	.00107	.01570	.00561	.00104	.00279
SDev	.00168	.00031	.00013	.00021	.00157	.00252	.00133
%RSD	61.124	31.072	12.079	1.3224	27.948	242.65	47.461
#1	.00243	.00065	.00100	.01546	.00427	.00390	.00349
#2	.00455	.00109	.00122	.01582	.00523	-.00085	.00126
#3	.00125	.00126	.00100	.01583	.00734	.00007	.00362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00192	.00280	.14201	74.583	12.224	32.974	1.1246
SDev	.00329	.00164	.00626	.360	.078	.157	.0110
%RSD	171.39	58.636	4.4104	.48280	.63931	.47467	.98069
#1	.00392	.00422	.14374	74.499	12.214	32.964	1.1283
#2	-.00188	.00100	.14722	74.977	12.307	33.135	1.1333
#3	.00372	.00319	.13506	74.272	12.152	32.822	1.1122
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	82.333	.00062	.00034	16.698	-.00003	.00433	.00162
SDev	.450	.00016	.00076	.083	.00325	.00426	.00192
%RSD	.54608	25.425	221.48	.49455	12429.	98.544	118.66
#1	82.197	.00047	.00099	16.693	-.00342	.00198	.00383
#2	82.834	.00061	.00054	16.783	.00306	.00175	.00061
#3	81.966	.00078	-.00049	16.618	.00029	.00925	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00183	.00160
SDev	.00628	.00180
%RSD	342.59	112.22
#1	.00584	.00260
#2	-.00541	-.00047
#3	.00508	.00268
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33323	--	--	--	--	--	--
SDev	136.7605	--	--	--	--	--	--
%RSD	.4104031	--	--	--	--	--	--
#1	33178	--	--	--	--	--	--
#2	33344	--	--	--	--	--	--
#3	33449	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-2 Operator:
Run Time: 08/13/04 19:05:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09819	.00000	.00061	.00802	.00229	.00720	5.6086
SDev	.00260	.00001	.00017	.00060	.00055	.00044	.1327
%RSD	2.6455	193.82	27.412	7.4403	24.018	6.0578	2.3660
#1	.10053	.00001	.00059	.00804	.00256	.00752	5.7216
#2	.09540	-.00000	.00079	.00742	.00265	.00670	5.4625
#3	.09865	.00001	.00045	.00861	.00166	.00737	5.6416
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00385	.00016	.00317	.01954	.00115	-.00244	.00553
SDev	.00080	.00029	.00083	.00055	.00536	.00231	.00078
%RSD	20.768	188.85	26.104	2.8012	466.58	94.683	14.178
#1	.00430	.00007	.00358	.02002	.00725	-.00042	.00482
#2	.00431	.00048	.00221	.01895	-.00282	-.00496	.00637
#3	.00292	-.00009	.00370	.01966	-.00098	-.00194	.00541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00140	.00113	.71114	60.820	12.778	32.889	1.5820
SDev	.00269	.00064	.02141	1.398	.297	.793	.0677
%RSD	192.21	56.877	3.0103	2.2991	2.3260	2.4114	4.2767
#1	-.00009	.00067	.73070	61.953	13.030	33.564	1.6380
#2	.00451	.00085	.68827	59.257	12.450	32.016	1.5068
#3	-.00022	.00186	.71445	61.248	12.855	33.089	1.6013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.761	.00083	-.00054	17.888	.00104	.00571	.00504
SDev	.643	.00044	.00007	.419	.00383	.00173	.00034
%RSD	1.9619	52.152	13.516	2.3428	368.74	30.322	6.6540
#1	33.246	.00112	-.00052	18.243	.00483	.00402	.00481
#2	32.032	.00105	-.00062	17.426	.00111	.00748	.00543
#3	33.005	.00033	-.00048	17.995	-.00282	.00565	.0041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00155	.00253
SDev	.00198	.00396
%RSD	128.23	156.05
#1	.00015	-.00056
#2	-.00106	.00699
#3	-.00373	.00118
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33739	--	--	--	--	--	--
SDev	642.3496	--	--	--	--	--	--
%RSD	1.903867	--	--	--	--	--	--
#1	33180	--	--	--	--	--	--
#2	34441	--	--	--	--	--	--
#3	33597	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-3 Operator:
Run Time: 08/13/04 19:13:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06864	.00001	.00018	.00196	.00099	.01991	.84154
SDev	.00042	.00001	.00033	.00043	.00018	.00038	.00495
%RSD	.61017	77.082	186.76	22.070	18.113	1.9311	.58855
#1	.06829	.00001	-.00003	.00245	.00099	.01987	.84014
#2	.06852	.00002	.00001	.00165	.00081	.01954	.83743
#3	.06910	.00000	.00056	.00178	.00117	.02031	.84704
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00358	-.00010	.00123	.02098	L-.00506	-.00008	.00228
SDev	.00155	.00052	.00001	.00015	.00395	.01071	.00212
%RSD	43.217	491.74	.90665	.72322	78.211	14114.	93.067
#1	.00474	.00042	.00123	.02091	L-.00513	.01101	.00459
#2	.00182	-.00061	.00121	.02087	-.00107	-.00086	.00183
#3	.00417	-.00012	.00124	.02115	L-.00897	L-.01038	.00042
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00081	.00116	.11386	69.698	.28678	36.217	1.4916
SDev	.00128	.00276	.00314	.470	.00138	.173	.0202
%RSD	157.93	238.34	2.7553	.67429	.48276	.47865	1.3556
#1	.00041	-.00171	.11481	69.521	.28784	36.182	1.4892
#2	-.00022	.00140	.11036	69.341	.28521	36.063	1.4726
#3	.00225	.00379	.11642	70.230	.28728	36.405	1.5129
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	104.14	.00141	-.00009	11.408	.00237	.00120	.00240
SDev	.58	.00066	.00046	.067	.00289	.00410	.00237
%RSD	.55894	46.782	520.00	.59022	122.03	342.34	98.959
#1	103.97	.00098	-.00029	11.393	.00056	.00546	.00379
#2	103.67	.00108	.00043	11.350	.00570	-.00272	.00375
#3	104.79	.00216	-.00041	11.482	.00084	.00085	-.00034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00004	.00091
SDev	.00154	.00146
%RSD	3531.5	160.89
#1	-.00160	.00109
#2	-.00001	-.00064
#3	.00148	.00228
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33292	--	--	--	--	--	--
SDev	223.2561	--	--	--	--	--	--
%RSD	.6706051	--	--	--	--	--	--
#1	33225	--	--	--	--	--	--
#2	33541	--	--	--	--	--	--
#3	33110	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-4 Operator:
Run Time: 08/13/04 19:20:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08258	.00004	.00142	.00406	.00170	.02386	.36438
SDev	.00033	.00001	.00032	.00047	.00031	.00013	.00067
%RSD	.39671	37.120	22.259	11.633	18.297	.54489	.18442
#1	.08263	.00002	.00159	.00421	.00140	.02399	.36465
#2	.08223	.00004	.00160	.00444	.00202	.02387	.36362
#3	.08288	.00004	.00105	.00353	.00169	.02373	.36488
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00444	-.00012	.00749	.21204	-.00276	.00075	.00759
SDev	.00217	.00021	.00081	.00019	.00092	.00286	.00326
%RSD	48.943	175.14	10.747	.09065	33.417	380.88	42.943
#1	.00525	.00004	.00766	.21204	-.00377	-.00191	.01124
#2	.00198	-.00005	.00820	.21185	-.00198	.00378	.00654
#3	.00608	-.00036	.00662	.21223	-.00252	.00038	.00498
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	.00346	1.2970	96.660	3.4298	16.730	3.2771
SDev	.00302	.00186	.0080	.120	.0060	.032	.0075
%RSD	466.00	53.901	.61439	.12431	.17473	.18994	.23001
#1	-.00128	.00308	1.3043	96.707	3.4329	16.720	3.2843
#2	.00413	.00548	1.2885	96.523	3.4229	16.705	3.2777
#3	-.00090	.00181	1.2983	96.749	3.4336	16.766	3.2693
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	39.820	.00192	-.00141	10.434	.00220	.00544	.00830
SDev	.041	.00092	.00094	.017	.00066	.00155	.00486
%RSD	.10279	47.736	66.549	.16008	29.891	28.606	58.512
#1	39.852	.00224	-.00051	10.439	.00149	.00607	.01347
#2	39.774	.00088	-.00238	10.416	.00232	.00367	.00761
#3	39.833	.00263	-.00133	10.448	.00278	.00658	.00383
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00332	.00228
SDev	.00298	.00314
%RSD	89.800	137.36
#1	-.00443	-.00007
#2	.00006	.00585
#3	-.00558	.00108
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33241	--	--	--	--	--	--
SDev	37.83257	--	--	--	--	--	--
%RSD	.1138127	--	--	--	--	--	--
#1	33273	--	--	--	--	--	--
#2	33199	--	--	--	--	--	--
#3	33251	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-5 Operator:
Run Time: 08/13/04 19:28:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07755	.00003	.00018	.00035	.00002	.00231	.03464
SDev	.00020	.00002	.00042	.00037	.00084	.00045	.00011
%RSD	.25484	52.830	230.16	103.60	4218.5	19.621	.32226
#1	.07739	.00001	.00066	.00077	.00001	.00248	.03468
#2	.07748	.00004	-.00010	.00020	.00087	.00266	.03452
#3	.07777	.00004	-.00001	.00009	-.00082	.00180	.03473
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00060	-.00033	-.00009	.01011	.00112	.00268	.00043
SDev	.00103	.00027	.00063	.00030	.00296	.00248	.00187
%RSD	171.91	81.044	720.24	2.9245	264.74	92.639	432.12
#1	.00048	-.00030	.00044	.00994	.00445	.00004	-.00142
#2	-.00037	-.00008	.00009	.01045	-.00118	.00304	.00231
#3	.00168	-.00062	-.00079	.00993	.00008	.00496	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00179	.00322	-.00413	16.579	.97531	5.8782	7.4184
SDev	.00037	.00169	.00218	.034	.00557	.0102	.0421
%RSD	20.610	52.578	52.767	.20738	.57090	.17275	.56806
#1	-.00159	.00247	-.00528	16.559	.97977	5.8693	7.3741
#2	-.00156	.00203	-.00162	16.558	.96907	5.8761	7.4233
#3	-.00221	.00516	-.00550	16.618	.97708	5.8893	7.4579
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.495	-.00028	.00010	.74345	-.00215	.00038	.00010
SDev	.126	.00068	.00099	.00265	.00310	.00119	.00268
%RSD	.47677	240.84	1018.9	.35622	144.20	315.95	2721.1
#1	26.382	.00035	-.00064	.74567	.00103	-.00066	-.00217
#2	26.472	-.00101	.00123	.74416	-.00517	.00011	.00305
#3	26.631	-.00019	-.00029	.74052	-.00231	.00168	-.00059
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00822	.00111
SDev	.00132	.00116
%RSD	16.049	104.37
#1	-.00804	.00132
#2	-.00962	.00215
#3	-.00700	-.00014
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33192	--	--	--	--	--	--
SDev	78.67017	--	--	--	--	--	--
%RSD	.2370135	--	--	--	--	--	--
#1	33128	--	--	--	--	--	--
#2	33280	--	--	--	--	--	--
#3	33169	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-6 Operator:
Run Time: 08/13/04 19:36:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03965	.00006	.00068	.00335	.00229	.00636	.50120
SDev	.00056	.00001	.00030	.00081	.00047	.00054	.00476
%RSD	1.4085	19.270	43.677	24.153	20.451	8.4865	.94955
#1	.03906	.00007	.00095	.00413	.00283	.00686	.49698
#2	.04017	.00005	.00036	.00252	.00201	.00642	.50636
#3	.03972	.00006	.00073	.00339	.00202	.00579	.50026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00565	.00023	.00371	.01952	.00180	-.00101	.00330
SDev	.00075	.00042	.00064	.00032	.00535	.00572	.00368
%RSD	13.234	182.87	17.301	1.6426	298.14	566.63	111.68
#1	.00623	.00071	.00297	.01988	.00745	-.00651	.00430
#2	.00591	-.00004	.00410	.01944	-.00319	-.00142	-.00078
#3	.00481	.00002	.00406	.01926	.00113	.00490	.00638
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.00531	.94594	10.964	2.2094	3.5100	.04243
SDev	.00439	.00612	.01806	.084	.0123	.0308	.00971
%RSD	1473.0	115.12	1.9093	.76465	.55463	.87827	22.895
#1	.00405	.01235	.93079	10.893	2.1966	3.4872	.03246
#2	.00138	.00236	.96592	11.056	2.2211	3.5451	.05186
#3	-.00454	.00124	.94110	10.942	2.2105	3.4978	.04298
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.688	-.00034	.00164	11.846	-.00090	-.00027	.00474
SDev	.383	.00130	.00137	.145	.00371	.00229	.00477
%RSD	1.1376	382.23	83.651	1.2222	410.41	834.82	100.54
#1	33.273	-.00080	.00285	11.720	-.00428	-.00165	.00692
#2	34.028	.00113	.00015	12.004	-.00150	-.00153	-.00073
#3	33.765	-.00134	.00192	11.815	.00307	.00236	.00803
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00364	.00194
SDev	.00428	.00475
%RSD	117.51	244.83
#1	-.00183	.00663
#2	-.00056	.00204
#3	-.00853	-.00286
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33258	--	--	--	--	--	--
SDev	406.5054	--	--	--	--	--	--
%RSD	1.222283	--	--	--	--	--	--
#1	33670	--	--	--	--	--	--
#2	32857	--	--	--	--	--	--
#3	33247	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/13/04 19:43:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0649	Q2.1360	2.0890	2.0992	2.0856	2.0846	2.0854
SDev	.0164	.0073	.0037	.0071	.0086	.0210	.0083
%RSD	.79515	.34117	.17777	.33848	.41441	1.0066	.39587
#1	2.0541	Q2.1281	2.0848	2.0919	2.0758	2.0678	2.0765
#2	2.0568	Q2.1375	2.0905	2.0996	2.0888	2.0779	2.0868
#3	2.0838	Q2.1424	2.0918	Q2.1061	2.0921	Q2.1081	2.0928
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0824	.25879	2.0310	Q2.1005	2.0781	1.9856	2.0954
SDev	.0100	.00258	.0101	.0044	.0190	.0083	.0114
%RSD	.47985	.99851	.49703	.20886	.91401	.41563	.54493
#1	2.0723	.25683	2.0216	2.0963	2.0605	1.9802	2.0823
#2	2.0824	.25782	2.0298	Q2.1051	2.0756	1.9951	Q2.1006
#3	2.0923	.26172	2.0417	Q2.1001	2.0982	1.9814	Q2.1033
Errors	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0900	2.0986	41.718	41.656	41.785	41.818	41.941
SDev	.0122	.0169	.361	.103	.169	.192	.474
%RSD	.58381	.80414	.86617	.24672	.40529	.45851	1.1297
#1	2.0788	2.0840	41.424	41.537	41.598	41.643	41.607
#2	2.0883	2.0947	41.609	41.710	41.827	41.788	41.733
#3	Q2.1030	Q2.1171	Q42.121	41.720	41.929	Q42.023	Q42.483
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q42.037	2.0448	2.0740	Q5.2916	2.0368	2.0528	2.1163
SDev	.616	.0094	.0215	.0370	.0019	.0290	.0281
%RSD	1.4652	.46071	1.0389	.69938	.09505	1.4126	1.3300
#1	41.675	2.0339	2.0587	Q5.2629	2.0369	2.0692	2.0885
#2	41.688	2.0507	2.0647	Q5.2786	2.0386	2.0699	2.1155
#3	Q42.748	2.0497	2.0986	Q5.3334	2.0348	2.0194	2.1448
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0498	2.1098
SDev	.0129	.0247
%RSD	.62840	1.1725
#1	2.0614	2.0871
#2	2.0520	2.1061
#3	2.0359	2.1362
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33340	--	--	--	--	--	--
SDev	243.9781	--	--	--	--	--	--
%RSD	.7317939	--	--	--	--	--	--
#1	33554	--	--	--	--	--	--
#2	33390	--	--	--	--	--	--
#3	33074	--	--	--	--	--	--

Method: EPA3 | Sample Name: CCB | Operator:
Run Time: 08/13/04 19:51:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00071	.00048	.00070	.00100	-.00021	.00093	.00022
SDev	.00006	.00002	.00047	.00067	.00012	.00077	.00013
%RSD	8.5730	3.0588	66.951	67.456	55.655	83.269	58.328
#1	.00078	.00048	.00029	.00107	-.00034	.00117	.00026
#2	.00067	.00046	.00061	.00029	-.00015	.00006	.00007
#3	.00067	.00049	Q.00122	.00163	-.00014	.00155	.00032
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00059	-.00013	.00091	.00003	.00042	.00135	.00141
SDev	.00092	.00034	.00051	.00005	.00161	.00323	.00067
%RSD	154.88	268.68	55.909	169.81	386.81	238.64	47.442
#1	-.00046	.00007	.00091	-.00002	-.00144	-.00060	.00174
#2	.00106	-.00052	.00143	.00008	.00144	-.00042	.00064
#3	.00117	.00007	.00040	.00003	.00126	.00508	.00186
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00104	.00140	-.01801	-.02869	-.00023	-.01522	-.30918
SDev	.00129	.00370	.00059	.00087	.00796	.00186	.01198
%RSD	124.08	263.57	3.2532	3.0350	3429.0	12.190	3.8735
#1	-.00095	-.00287	-.01849	-.02910	-.00939	-.01451	-.31476
#2	-.00236	.00348	-.01818	-.02927	.00501	-.01383	-.31734
#3	.00020	.00360	-.01735	-.02769	.00368	-.01733	-.29543
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.27526	.00204	.00095	-.00292	.00338	.00179	.00075
SDev	.04071	.00136	.00026	.00353	.00092	.00248	.00139
%RSD	14.790	66.719	27.596	120.69	27.099	138.42	184.25
#1	-.29677	.00102	.00126	.00115	.00256	-.00051	.00233
#2	-.30070	.00151	.00081	-.00505	.00437	.00146	-.00029
#3	-.22830	Q.00358	.00080	-.00488	.00320	.00442	.00028
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00105	-.00242
SDev	.00151	.00225
%RSD	143.98	93.004
#1	.00273	-.00314
#2	.00064	-.00422
#3	-.00022	.00010
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33931	--	--	--	--	--	--
SDev	99.71964	--	--	--	--	--	--
%RSD	.2938901	--	--	--	--	--	--
#1	33950	--	--	--	--	--	--
#2	34020	--	--	--	--	--	--
#3	33823	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-8 Operator:
Run Time: 08/13/04 19:59:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04870	.00014	.00055	.00149	.00089	.00327	.17365
SDev	.00024	.00005	.00031	.00063	.00023	.00035	.00031
%RSD	.48419	34.487	57.006	41.988	26.140	10.651	.17646
#1	.04877	.00020	.00087	.00132	.00076	.00365	.17362
#2	.04843	.00011	.00025	.00219	.00074	.00320	.17336
#3	.04889	.00012	.00053	.00097	.00115	.00296	.17397
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00045	.00370	.01459	-.00143	-.00054	.00132
SDev	.00088	.00011	.00046	.00021	.00189	.00380	.00219
%RSD	912.28	24.541	12.406	1.4476	132.12	708.16	166.33
#1	.00033	-.00033	.00413	.01459	-.00060	.00037	.00350
#2	.00049	-.00054	.00322	.01480	-.00009	-.00471	-.00089
#3	-.00111	-.00048	.00376	.01437	-.00359	.00273	.00135
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00346	.00417	.28690	37.411	.67409	5.9710	1.7951
SDev	.00114	.00136	.00132	.086	.01151	.0185	.0136
%RSD	33.043	32.720	.46118	.23057	1.7079	.31019	.75891
#1	.00464	.00574	.28667	37.428	.68235	5.9732	1.8064
#2	.00338	.00344	.28571	37.318	.66094	5.9515	1.7800
#3	.00236	.00332	.28832	37.488	.67898	5.9883	1.7988
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	22.799	.00078	-.00000	6.5852	.00321	.00265	.00030
SDev	.229	.00109	.00029	.0148	.00040	.00275	.00222
%RSD	1.0034	139.43	10504.	.22463	12.390	104.02	739.39
#1	22.728	.00168	.00032	6.5924	.00304	.00416	.00281
#2	22.614	.00110	-.00022	6.5682	.00292	-.00053	-.00142
#3	23.055	-.00043	-.00012	6.5951	.00366	.00431	-.00049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00049	.00513
SDev	.00144	.00104
%RSD	292.64	20.364
#1	.00115	.00607
#2	-.00107	.00530
#3	-.00156	.00401
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33798	--	--	--	--	--	--
SDev	197.6515	--	--	--	--	--	--
%RSD	.5848093	--	--	--	--	--	--
#1	33586	--	--	--	--	--	--
#2	33977	--	--	--	--	--	--
#3	33830	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-9 Operator:
Run Time: 08/13/04 20:07:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10240	.00004	.00094	.00883	.00164	.02390	4.5152
SDev	.00138	.00002	.00023	.00044	.00008	.00042	.0435
%RSD	1.3444	59.053	24.711	4.9583	4.6292	1.7351	.96412
#1	.10240	.00004	.00088	.00900	.00170	.02422	4.5205
#2	.10103	.00001	.00120	.00833	.00167	.02343	4.4693
#3	.10378	.00006	.00075	.00916	.00156	.02404	4.5559
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00482	-.00037	.00166	.04881	-.00017	-.00419	.00458
SDev	.00081	.00004	.00131	.00012	.00407	.00901	.00122
%RSD	16.862	12.145	79.242	.24563	2338.6	214.92	26.775
#1	.00524	-.00040	.00015	.04891	.00093	L-.01161	.00333
#2	.00533	-.00039	.00255	.04868	.00323	-.00678	.00462
#3	.00388	-.00031	.00227	.04885	-.00468	.00583	.00578
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00064	-.00088	.45742	101.19	14.488	27.747	3.1075
SDev	.00333	.00348	.00781	.95	.140	.269	.0552
%RSD	521.78	395.19	1.7072	.93600	.96366	.97007	1.7769
#1	-.00096	.00179	.46233	101.25	14.494	27.764	3.1159
#2	.00446	.00039	.44841	100.21	14.345	27.469	3.0486
#3	-.00160	-.00481	.46151	102.10	14.624	28.007	3.1580
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	65.114	.00113	-.00014	10.527	-.00094	.00217	.00538
SDev	.787	.00034	.00113	.114	.00403	.00510	.00071
%RSD	1.2090	29.837	796.39	1.0874	430.32	234.52	13.254
#1	65.277	.00152	-.00095	10.539	-.00559	-.00302	.00611
#2	64.258	.00095	.00114	10.407	.00138	.00237	.00534
#3	65.806	.00093	-.00062	10.635	.00139	.00717	.00468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00467	.00295
SDev	.00579	.00412
%RSD	124.09	139.77
#1	-.01125	.00388
#2	-.00036	.00652
#3	-.00239	-.00156
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33603	--	--	--	--	--	--
SDev	308.7062	--	--	--	--	--	--
%RSD	.9186882	--	--	--	--	--	--
#1	33525	--	--	--	--	--	--
#2	33943	--	--	--	--	--	--
#3	33341	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-10 Operator:
Run Time: 08/13/04 20:14:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09571	.00003	.00151	.00063	.00099	.00474	1.1851
SDev	.00048	.00003	.00030	.00049	.00060	.00045	.0033
%RSD	.50004	120.93	20.099	76.753	60.459	9.4203	.27771
#1	.09625	.00006	.00119	.00041	.00085	.00524	1.1884
#2	.09533	.00003	.00180	.00119	.00165	.00438	1.1819
#3	.09556	-.00001	.00153	.00030	.00048	.00460	1.1851
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00218	-.00054	.00167	.01827	-.00180	.00082	.00270
SDev	.00057	.00021	.00070	.00035	.00425	.00366	.00254
%RSD	25.974	38.404	42.042	1.9135	235.74	445.84	93.983
#1	.00184	-.00064	.00208	.01841	.00276	.00286	.00025
#2	.00187	-.00030	.00086	.01788	L-.00566	.00300	.00533
#3	.00283	-.00068	.00207	.01853	-.00250	-.00340	.00253
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00094	.00195	.16962	52.338	.27718	15.849	4.2035
SDev	.00202	.00087	.00462	.128	.00304	.057	.0228
%RSD	214.42	44.631	2.7251	.24392	1.0980	.36247	.54232
#1	-.00129	.00294	.17492	52.468	.27807	15.902	4.2183
#2	.00147	.00133	.16758	52.213	.27380	15.788	4.1773
#3	.00264	.00157	.16638	52.332	.27969	15.858	4.2150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	96.905	.00038	-.00048	8.0062	-.00062	.00356	.00193
SDev	.237	.00047	.00124	.0265	.00153	.00174	.00326
%RSD	.24478	125.35	258.35	.33112	244.57	48.924	168.60
#1	97.133	-.00009	-.00084	8.0356	-.00035	.00315	-.00155
#2	96.660	.00037	.00090	7.9842	-.00227	.00547	.00489
#3	96.923	.00086	-.00151	7.9987	.00075	.00206	.00[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00035	.00093
SDev	.00563	.00031
%RSD	1627.0	33.240
#1	-.00600	.00075
#2	.00229	.00074
#3	.00475	.00128
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33595	--	--	--	--	--	--
SDev	99.99854	--	--	--	--	--	--
%RSD	.2976620	--	--	--	--	--	--
#1	33479	--	--	--	--	--	--
#2	33652	--	--	--	--	--	--
#3	33653	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-11 Operator:
Run Time: 08/13/04 20:22:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03896	.00003	.00024	.00252	.00303	.00718	.10539
SDev	.00030	.00000	.00053	.00093	.00022	.00032	.00021
%RSD	.76302	13.219	219.23	37.088	7.1884	4.5076	.19808
#1	.03888	.00003	-.00007	.00168	.00288	.00682	.10538
#2	.03871	.00003	-.00006	.00235	.00292	.00745	.10561
#3	.03929	.00003	.00086	.00352	.00328	.00726	.10519
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01305	-.00069	.00802	.02151	-.00332	-.00469	.00102
SDev	.00199	.00019	.00071	.00034	.00204	.00769	.00048
%RSD	15.214	27.802	8.8021	1.5822	61.591	164.16	47.559
#1	.01206	-.00089	.00879	.02151	L-.00564	.00085	.00151
#2	.01176	-.00051	.00740	.02117	-.00249	-.00144	.00054
#3	.01534	-.00067	.00787	.02185	-.00181	L-.01347	.00100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00864	.00344	1.0892	31.996	1.9816	19.047	1.2297
SDev	.00409	.00304	.0036	.086	.0067	.031	.0114
%RSD	47.315	88.212	.32942	.26800	.33561	.16059	.92901
#1	.00780	.00013	1.0852	32.027	1.9756	19.066	1.2185
#2	.01309	.00609	1.0901	32.062	1.9887	19.062	1.2292
#3	.00504	.00411	1.0922	31.899	1.9805	19.012	1.2413
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	44.005	-.00058	-.00081	14.859	-.00271	-.00230	.00226
SDev	.395	.00083	.00170	.017	.00306	.00427	.00220
%RSD	.89840	144.07	210.92	.11719	113.01	185.43	97.661
#1	43.758	-.00045	-.00267	14.867	-.00072	-.00030	.00206
#2	43.796	.00018	.00067	14.839	-.00117	.00060	.00016
#3	44.461	-.00146	-.00042	14.871	-.00623	-.00720	.00455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00019	.01273
SDev	.01185	.00253
%RSD	6144.4	19.849
#1	.00311	.00984
#2	.00966	.01449
#3	-.01335	.01387
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33397	--	--	--	--	--	--
SDev	295.0544	--	--	--	--	--	--
%RSD	.8834881	--	--	--	--	--	--
#1	33558	--	--	--	--	--	--
#2	33576	--	--	--	--	--	--
#3	33056	--	--	--	--	--	--

Method: EPA3 Sample Name: N74479-12 Operator:
Run Time: 08/13/04 20:30:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39388	.00021	.00209	.08718	.16987	.16621	3.3088
SDev	.00087	.00003	.00045	.00057	.00092	.00045	.0051
%RSD	.22131	12.436	21.536	.65630	.53998	.27220	.15480
#1	.39296	.00024	.00261	.08692	.16945	.16569	3.3067
#2	.39469	.00019	.00180	.08678	.16923	.16646	3.3051
#3	.39398	.00020	.00186	.08783	.17092	.16649	3.3147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10403	-.00002	.26447	.20921	.01375	L-.01603	.04186
SDev	.00117	.00056	.00042	.00077	.00177	.00623	.00067
%RSD	1.1221	3405.8	.15811	.36863	12.863	38.855	1.6059
#1	.10274	.00004	.26475	.20957	.01323	L-.01433	.04166
#2	.10435	-.00061	.26468	.20833	.01230	L-.01084	.04261
#3	.10501	.00052	.26399	.20974	.01572	L-.02294	.04131
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00177	-.00403	74.880	35.755	99.735	27.117	4.1674
SDev	.00125	.00643	.093	.083	.155	.050	.0231
%RSD	70.336	159.74	.12457	.23190	.15539	.18420	.55410
#1	.00273	.00171	74.776	35.698	99.652	27.075	4.1482
#2	.00036	L-.01098	74.907	35.717	99.640	27.104	4.1611
#3	.00222	-.00281	74.957	35.850	99.914	27.172	4.1930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9435	.00256	-.01318	H54.320	.00778	.04707	.03891
SDev	.1789	.00062	.00076	.079	.00116	.00111	.00138
%RSD	3.6193	24.057	5.7384	.14464	14.903	2.3475	3.5381
#1	5.0040	.00294	-.01233	H54.252	.00840	.04619	.03905
#2	4.7422	.00185	-.01345	H54.302	.00644	.04672	.04021
#3	5.0844	.00291	-.01377	H54.406	.00850	.04831	.03747
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00353	.00408
SDev	.00581	.00328
%RSD	164.31	80.172
#1	.00193	.00279
#2	-.00290	.00165
#3	-.00964	.00781
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35117	--	--	--	--	--	--
SDev	115.7451	--	--	--	--	--	--
%RSD	.3296027	--	--	--	--	--	--
#1	35061	--	--	--	--	--	--
#2	35250	--	--	--	--	--	--
#3	35039	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26783-MB1 Operator:
Run Time: 08/13/04 20:37:47
Comment: 2
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	.00002	.00028	.00029	.00002	.00087	.00040
SDev	.00002	.00001	.00039	.00049	.00034	.00042	.00012
%RSD	3.6562	57.362	137.26	166.60	1554.0	47.889	30.085
#1	.00057	.00002	.00008	.00052	.00024	.00123	.00052
#2	.00060	.00001	.00004	.00063	-.00037	.00041	.00042
#3	.00056	.00003	.00073	-.00027	.00020	.00097	.00028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	-.00005	-.00051	.00033	-.00295	-.00257	.00239
SDev	.00314	.00009	.00043	.00008	.00095	.00276	.00078
%RSD	6866.2	186.02	85.811	25.097	32.218	107.44	32.479
#1	-.00084	.00004	-.00045	.00032	-.00229	-.00139	H.00324
#2	-.00256	-.00004	-.00097	.00042	-.00403	-.00572	.00170
#3	.00353	-.00014	-.00010	.00026	-.00251	-.00059	.00225
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00063	.00091	-.01918	-.01630	.02072	-.01890	-.28238
SDev	.00116	.00395	.00370	.00103	.00944	.00399	.00752
%RSD	186.08	434.58	19.270	6.3412	45.539	21.134	2.6647
#1	-.00135	H.00543	-.01506	-.01520	.02213	-.02155	-.29098
#2	-.00124	-.00080	-.02025	-.01644	.02938	-.02083	-.27915
#3	.00072	-.00190	-.02222	-.01726	.01066	-.01430	-.27701
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06317	-.00041	-.00041	.02168	-.00283	.00036	.00293
SDev	.07215	.00068	.00076	.00723	.00179	.00068	.00123
%RSD	114.21	163.25	184.89	33.349	63.230	186.45	41.879
#1	.02738	-.00119	-.00003	.02927	-.00109	-.00003	.00433
#2	.01592	-.00006	.00009	.02090	-.00274	-.00003	.00203
#3	.14622	.00001	-.00129	.01487	-.00467	.00115	.00244
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00512	.00128
SDev	.00131	.00164
%RSD	25.693	128.32
#1	-.00425	-.00027
#2	-.00663	.00110
#3	-.00448	.00300
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33494	--	--	--	--	--	--
SDev	33.43060	--	--	--	--	--	--
%RSD	.0998111	--	--	--	--	--	--
#1	33458	--	--	--	--	--	--
#2	33498	--	--	--	--	--	--
#3	33525	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26783-LC1 Operator:
Run Time: 08/13/04 20:45:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50379	.51697	.51313	.51434	.50567	.51652	.51434
SDev	.00336	.00437	.00387	.00473	.00492	.00338	.00432
%RSD	.66651	.84572	.75372	.92042	.97286	.65481	.84049
#1	.50285	.51426	.51051	.51118	.50288	.51431	.51190
#2	.50752	.52201	.51757	.51978	.51135	.52041	.51933
#3	.50100	.51463	.51132	.51205	.50278	.51484	.51178
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.40000	.40000	.40000	.40000	.40000	.40000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51165	.19632	.50191	.51796	.50156	.49600	.51319
SDev	.00104	.00175	.00294	.00436	.00701	.00942	.00574
%RSD	.20290	.89235	.58619	.84081	1.3970	1.8987	1.1190
#1	.51122	.19580	.49891	.51525	.50067	.49576	.51117
#2	.51283	.19827	.50479	.52298	.50897	.50554	.51967
#3	.51089	.19489	.50201	.51564	.49504	.48671	.50873
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.24000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.16000	.40000	.40000	.40000	.40000	.40000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48269	.50926	5.1014	5.7212	5.6107	5.7676	5.0151
SDev	.00607	.00697	.0385	.0478	.0559	.0476	.0387
%RSD	1.2570	1.3691	.75558	.83585	.99688	.82500	.77253
#1	.48490	.50664	5.0829	5.6894	5.5683	5.7485	4.9875
#2	.48734	.51716	5.1457	5.7762	5.6741	5.8218	5.0594
#3	.47583	.50397	5.0756	5.6981	5.5897	5.7326	4.9985
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	6.0000	6.6000	6.6000	6.6000	6.0000
Low	.40000	.40000	4.0000	4.4000	4.4000	4.4000	4.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3834	.51566	L-.00145	H.13183	H.00190	.51358	.51256
SDev	.1330	.00488	.00179	.00550	.00321	.00460	.00963
%RSD	2.4699	.94624	122.73	4.1702	169.58	.89633	1.8799
#1	5.2304	.51327	L-.00169	H.13366	H.00436	.50936	.51163
#2	5.4716	.52128	H.00044	H.13619	L-.00174	.51288	.52263
#3	5.4481	.51244	L-.00311	H.12566	H.00307	.51849	.50342
Errors	LC Pass	LC Pass	LC Low	LC High	LC High	NOCHECK	NOCHECK

High	6.0000	.60000	.00000	.00000	.00000
Low	4.0000	.40000	.00000	.00000	.00000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.48157	.48290
SDev	.00633	.00863
%RSD	1.3142	1.7876
#1	.48888	.48255
#2	.47793	.49169
#3	.47791	.47444
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33950	--	--	--	--	--	--
SDev	361.5328	--	--	--	--	--	--
%RSD	1.064885	--	--	--	--	--	--
#1	33989	--	--	--	--	--	--
#2	33571	--	--	--	--	--	--
#3	34291	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26783-S1 Operator:
Run Time: 08/13/04 20:53:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0979	.05090	.05001	.49565	.19721	.25791	.69387
SDev	.0302	.00083	.00062	.00806	.00345	.00374	.01106
%RSD	1.4415	1.6362	1.2379	1.6262	1.7507	1.4503	1.5941
#1	2.1327	.05186	.05070	.50494	.20120	.26223	.70660
#2	2.0830	.05050	.04981	.49045	.19520	.25587	.68846
#3	2.0779	.05035	.04951	.49158	.19524	.25563	.68656
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49517	.04835	.48885	.60257	1.9525	1.9390	.49768
SDev	.00934	.00060	.00809	.00857	.0332	.0245	.00812
%RSD	1.8869	1.2334	1.6547	1.4222	1.6998	1.2618	1.6313
#1	.50595	.04898	.49807	.61246	1.9900	1.9669	.50671
#2	.48938	.04779	.48555	.59732	1.9403	1.9289	.49535
#3	.49018	.04828	.48293	.59793	1.9271	1.9212	.49098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9013	.49410	1.9804	70.328	.97061	29.519	27.465
SDev	.0320	.00848	.0304	1.076	.02289	.442	.292
%RSD	1.6833	1.7158	1.5343	1.5306	2.3585	1.4971	1.0637
#1	1.9377	.50361	2.0153	71.569	.99546	30.029	27.801
#2	1.8888	.49135	1.9600	69.774	.95038	29.286	27.312
#3	1.8775	.48734	1.9659	69.642	.96598	29.242	27.280
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.683	.00113	-.00146	12.775	-.00093	.48949	.50134
SDev	.374	.00136	.00065	.185	.00240	.00599	.00933
%RSD	1.1116	120.29	44.882	1.4509	257.99	1.2236	1.8607
#1	34.115	.00085	-.00189	12.989	-.00036	.49641	.51140
#2	33.446	-.00006	-.00178	12.676	-.00357	.48597	.49964
#3	33.488	.00261	-.00071	12.660	.00114	.48610	.49298
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.8860	1.9086
SDev	.0399	.0290
%RSD	2.1150	1.5208
#1	1.9320	1.9402
#2	1.8606	1.9025
#3	1.8654	1.8831
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33165	--	--	--	--	--	--
SDev	561.8018	--	--	--	--	--	--
%RSD	1.693984	--	--	--	--	--	--
#1	32542	--	--	--	--	--	--
#2	33319	--	--	--	--	--	--
#3	33633	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26783-S2 Operator:
Run Time: 08/13/04 21:00:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0814	.05013	.04971	.48975	.19496	.25603	.68453
SDev	.0045	.00006	.00061	.00136	.00089	.00032	.00085
%RSD	.21729	.12140	1.2350	.27754	.45369	.12421	.12369
#1	2.0862	.05017	.05023	.49027	.19395	.25639	.68508
#2	2.0773	.05006	.04903	.48820	.19537	.25595	.68356
#3	2.0807	.05016	.04986	.49076	.19557	.25577	.68496
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48966	.04807	.48145	.59307	1.9341	1.9165	.49093
SDev	.00075	.00034	.00120	.00057	.0072	.0128	.00101
%RSD	.15371	.70367	.25015	.09621	.37184	.66695	.20532
#1	.48962	.04774	.48276	.59349	1.9272	1.9067	.49166
#2	.49044	.04842	.48120	.59242	1.9415	1.9309	.48978
#3	.48894	.04806	.48039	.59330	1.9335	1.9119	.49135
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8895	.49185	1.9678	69.184	.95809	29.221	27.472
SDev	.0037	.00369	.0013	.052	.00954	.010	.040
%RSD	.19321	.75084	.06802	.07497	.99523	.03331	.14596
#1	1.8916	.49591	1.9693	69.192	.96012	29.230	27.506
#2	1.8853	.49095	1.9669	69.129	.96644	29.211	27.428
#3	1.8915	.48870	1.9671	69.232	.94770	29.223	27.483
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.705	.00310	-.00032	12.587	.00055	.48448	.49368
SDev	.159	.00033	.00170	.009	.00453	.00081	.00165
%RSD	.47065	10.539	527.98	.07170	819.42	.16658	.33352
#1	33.648	.00347	-.00169	12.590	.00133	.48356	.49517
#2	33.582	.00299	-.00086	12.578	-.00431	.48480	.49191
#3	33.884	.00284	.00158	12.595	.00464	.48508	.49325
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.8762	1.8957
SDev	.0022	.0049
%RSD	.11691	.26087
#1	1.8788	1.8977
#2	1.8749	1.8901
#3	1.8750	1.8994
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33285	--	--	--	--	--	--
SDev	109.8605	--	--	--	--	--	--
%RSD	.3300595	--	--	--	--	--	--
#1	33162	--	--	--	--	--	--
#2	33318	--	--	--	--	--	--
#3	33374	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-1 Operator:
Run Time: 08/13/04 21:08:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14169	.00002	.00024	.00026	.00019	.00484	.19500
SDev	.00090	.00003	.00049	.00017	.00007	.00023	.00145
%RSD	.63307	109.30	203.68	66.574	35.493	4.8545	.74637
#1	.14068	.00001	.00034	.00030	.00011	.00499	.19345
#2	.14201	.00005	-.00029	.00041	.00024	.00496	.19521
#3	.14239	.00001	.00068	.00007	.00021	.00457	.19634
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00181	-.00019	.00037	.10848	.00206	.00430	.00182
SDev	.00090	.00016	.00043	.00092	.00590	.00514	.00168
%RSD	49.893	81.375	118.03	.84882	286.87	119.45	92.281
#1	.00284	-.00037	.00077	.10764	.00778	.01020	.00286
#2	.00139	-.00016	-.00009	.10833	.00241	.00076	-.00012
#3	.00119	-.00006	.00043	.10946	-.00401	.00195	.00272
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00166	.00402	-.02953	44.954	.03458	4.3968	2.0281
SDev	.00088	.00435	.00124	.349	.00345	.0370	.0224
%RSD	52.888	108.16	4.1995	.77587	9.9798	.84177	1.1041
#1	.00267	.00902	-.03092	44.589	.03060	4.3545	2.0064
#2	.00113	.00104	-.02914	44.990	.03655	4.4133	2.0268
#3	.00118	.00201	-.02853	45.284	.03660	4.4228	2.0511
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.3083	.00174	-.00026	12.829	-.00024	.00086	.00194
SDev	.1210	.00085	.00126	.085	.00118	.00273	.00117
%RSD	1.4563	48.930	485.97	.66507	501.39	317.48	60.101
#1	8.3169	.00273	-.00025	12.738	.00111	.00280	.00254
#2	8.1833	.00132	-.00153	12.842	-.00072	-.00227	.00060
#3	8.4248	.00118	.00100	12.907	-.00110	.00205	.00170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00464	.00450
SDev	.00161	.00117
%RSD	34.752	26.090
#1	-.00380	.00560
#2	-.00650	.00463
#3	-.00362	.00326
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33475	--	--	--	--	--	--
SDev	136.4443	--	--	--	--	--	--
%RSD	.4075983	--	--	--	--	--	--
#1	33610	--	--	--	--	--	--
#2	33479	--	--	--	--	--	--
#3	33337	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/13/04 21:16:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0650	Q2.1040	2.0551	2.0682	2.0610	2.0861	2.0640
SDev	.0116	.0118	.0140	.0131	.0089	.0103	.0070
%RSD	.56225	.56277	.68098	.63232	.43169	.49515	.33829
#1	2.0516	Q2.1165	2.0705	2.0826	2.0701	2.0742	2.0709
#2	2.0721	2.0930	2.0432	2.0571	2.0524	2.0919	2.0570
#3	2.0713	Q2.1024	2.0514	2.0648	2.0605	2.0922	2.0642
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0579	.25898	2.0217	2.0479	2.0551	1.9766	2.0927
SDev	.0119	.00062	.0154	.0229	.0157	.0102	.0250
%RSD	.57831	.23866	.76289	1.1180	.76281	.51594	1.1957
#1	2.0696	.25968	2.0326	2.0735	2.0691	1.9864	2.0761
#2	2.0458	.25852	2.0040	2.0293	2.0382	1.9661	Q2.1215
#3	2.0583	.25875	2.0284	2.0409	2.0580	1.9772	2.0806
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0902	2.0835	41.742	40.999	41.542	41.554	Q42.243
SDev	.0300	.0063	.219	.229	.201	.096	.487
%RSD	1.4363	.30070	.52459	.55747	.48420	.23222	1.1520
#1	2.0668	2.0906	41.489	41.248	41.766	41.660	41.697
#2	Q2.1241	2.0791	41.870	40.800	41.377	41.471	Q42.631
#3	2.0799	2.0806	41.867	40.948	41.482	41.533	Q42.400
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q42.327	2.0493	2.0741	Q5.2724	2.0313	2.0400	2.1186
SDev	.096	.0085	.0050	.0053	.0181	.0217	.0462
%RSD	.22748	.41461	.24003	.09963	.89270	1.0631	2.1817
#1	Q42.419	2.0558	2.0685	Q5.2678	2.0489	2.0372	2.0951
#2	Q42.334	2.0397	2.0760	Q5.2714	2.0127	2.0198	2.1719
#3	Q42.227	2.0524	2.0779	Q5.2781	2.0324	2.0629	2.0880
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0401	2.1150
SDev	.0187	.0468
%RSD	.91840	2.2117
#1	2.0255	2.0870
#2	2.0335	2.1690
#3	2.0612	2.0889
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32960	--	--	--	--	--	--
SDev	392.5118	--	--	--	--	--	--
%RSD	1.190864	--	--	--	--	--	--
#1	33406	--	--	--	--	--	--
#2	32806	--	--	--	--	--	--
#3	32668	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/13/04 21:23:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00133	Q.00083	.00067	.00118	.00019	.00252	.00051
SDev	.00051	.00040	.00031	.00039	.00024	.00123	.00039
%RSD	38.091	48.020	45.808	32.971	130.90	48.633	77.145
#1	.00082	Q.00051	.00040	.00074	-.00009	.00155	.00013
#2	.00183	Q.00128	Q.00100	.00147	.00031	Q.00390	.00091
#3	.00134	Q.00071	.00060	.00133	.00035	.00212	.00049
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00174	-.00001	.00090	.00148	-.00067	.00471	.00027
SDev	.00228	.00013	.00034	.00058	.00094	.00186	.00171
%RSD	130.91	1854.0	37.466	39.270	140.55	39.590	627.47
#1	.00356	.00000	.00127	.00102	-.00054	.00627	.00119
#2	-.00082	.00011	.00082	.00213	-.00167	.00522	-.00170
#3	.00248	-.00014	.00061	.00128	.00020	.00264	.00132
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00143	.00018	-.02161	-.01231	.01667	-.00899	-.24276
SDev	.00295	.00176	.01013	.00814	.01633	.00650	.05769
%RSD	205.32	965.56	46.873	66.127	97.968	72.299	23.763
#1	.00298	.00129	Q-.02982	-.01890	.00220	-.01295	-.29382
#2	-.00196	.00110	-.01029	-.00321	.03438	-.00149	-.18018
#3	.00329	-.00184	-.02472	-.01483	.01343	-.01253	-.25428
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.32253	.00149	.00107	.00065	.00111	.00217	-.00122
SDev	.11273	.00076	.00126	.00516	.00261	.00267	.00136
%RSD	34.951	51.067	117.63	796.28	234.50	123.30	111.07
#1	-.42780	.00068	-.00035	-.00393	.00376	.00272	-.00011
#2	-.20359	.00219	.00153	.00625	-.00145	-.00074	-.00128
#3	-.33620	.00159	.00203	-.00037	.00103	.00452	-.00082
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00016	.00171
SDev	.00165	.00365
%RSD	1046.1	213.87
#1	.00043	.00390
#2	-.00161	-.00251
#3	.00165	.00374
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32944	--	--	--	--	--	--
SDev	770.4000	--	--	--	--	--	--
%RSD	2.338495	--	--	--	--	--	--
#1	33715	--	--	--	--	--	--
#2	32174	--	--	--	--	--	--
#3	32943	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26783-SD1 Operator:
Run Time: 08/13/04 21:31:41
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14346	.00146	.00359	.00223	.00249	.01219	.19239
SDev	.00140	.00138	.00112	.00345	.00233	.00100	.00085
%RSD	.97393	94.653	31.297	154.91	93.658	8.2291	.43938
#1	.14214	.00075	.00316	-.00079	.00146	.01161	.19202
#2	.14332	.00058	.00275	.00148	.00085	.01161	.19179
#3	.14492	.00305	.00487	.00599	.00515	.01335	.19336
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00280	-.00048	.00212	.10799	.00796	.01892	-.00163
SDev	.00400	.00107	.00176	.00158	.02250	.04558	.00830
%RSD	143.16	220.23	82.812	1.4644	282.62	240.87	509.80
#1	-.00069	-.00163	.00211	.10893	L-.01629	.02087	.00756
#2	.00717	.00048	.00037	.10616	.02816	L-.02760	L-.00859
#3	.00191	-.00031	.00389	.10887	.01201	.06350	L-.00386
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00765	-.00113	-.12931	44.246	.06256	4.4035	1.1011
SDev	.00969	.02261	.03803	.106	.02881	.0266	.0336
%RSD	126.73	1997.4	29.413	.23845	46.044	.60491	3.0549
#1	.01176	L-.01236	-.14798	44.245	.03164	4.3740	1.0702
#2	-.00342	.02490	-.15441	44.351	.06741	4.4106	1.0963
#3	.01460	L-.01594	-.08555	44.140	.08864	4.4259	1.1370
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.2157	-.00208	-.00006	13.025	.01100	-.00457	-.00226
SDev	.4053	.01001	.00435	.029	.01034	.01003	.01346
%RSD	5.6172	481.94	7701.1	.22299	93.971	219.54	594.78
#1	7.1892	L-.00528	-.00431	13.020	.00885	-.00741	.01324
#2	7.6336	.00914	.00439	13.056	.02225	-.01288	-.00915
#3	6.8242	L-.01009	-.00024	12.998	.00191	.00658	-.01830
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01443	.00260
SDev	.01554	.01368
%RSD	107.70	525.65
#1	.03237	-.00012
#2	.00514	-.00951
#3	.00578	.01744
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33259	--	--	--	--	--	--
SDev	11.57474	--	--	--	--	--	--
%RSD	.0348013	--	--	--	--	--	--
#1	33254	--	--	--	--	--	--
#2	33252	--	--	--	--	--	--
#3	33273	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-2 Operator:
Run Time: 08/13/04 21:39:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02408	.00009	-.00007	.00105	-.00023	.00673	.53963
SDev	.00078	.00003	.00030	.00004	.00009	.00125	.01739
%RSD	3.2278	30.407	449.84	3.7533	37.106	18.532	3.2225
#1	.02466	.00012	.00011	.00104	-.00032	.00790	.55312
#2	.02320	.00007	.00010	.00109	-.00015	.00542	.52000
#3	.02438	.00008	-.00041	.00101	-.00023	.00688	.54576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00106	-.00009	.00032	.02845	-.00217	-.00127	.00339
SDev	.00022	.00031	.00056	.00106	.00206	.00282	.00188
%RSD	21.236	346.36	177.56	3.7263	95.034	223.10	55.539
#1	.00105	-.00044	.00059	.02881	-.00272	.00196	.00481
#2	.00084	.00017	.00070	.02725	-.00390	-.00248	.00411
#3	.00129	-.00001	-.00033	.02928	.00011	-.00328	.00125
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	.00260	-.03224	36.665	1.2761	7.0044	2.7671
SDev	.00141	.00565	.00465	1.158	.0278	.1978	.1426
%RSD	1606.1	217.00	14.433	3.1583	2.1769	2.8232	5.1539
#1	.00123	.00137	-.02687	37.596	1.3055	7.1571	2.8882
#2	-.00149	-.00233	-.03510	35.369	1.2504	6.7810	2.6099
#3	.00052	.00877	-.03475	37.031	1.2724	7.0752	2.8031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.969	.00045	.00146	20.755	-.00017	.00267	.00320
SDev	.493	.00035	.00072	.629	.00233	.00362	.00280
%RSD	4.4982	76.995	49.201	3.0282	1383.9	135.59	87.439
#1	11.494	.00074	.00212	21.220	-.00206	.00056	.00637
#2	10.515	.00055	.00070	20.040	-.00088	.00684	.00221
#3	10.899	.00007	.00156	21.006	.00244	.00060	.00103
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1332

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00514	.00233
SDev	.00352	.00210
%RSD	68.519	90.033
#1	-.00657	.00476
#2	-.00771	.00127
#3	-.00113	.00098
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32869	--	--	--	--	--	--
SDev	1149.881	--	--	--	--	--	--
%RSD	3.498341	--	--	--	--	--	--
#1	31734	--	--	--	--	--	--
#2	34034	--	--	--	--	--	--
#3	32840	--	--	--	--	--	--

Analysis Report

08/13/04 09:54:42 PM

Method: EPA3
Run Time: 08/13/04 21:47:04
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: N74914-3

Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08540	.00025	.00064	.00534	.00544	.05180	.40641
SDev	.00081	.00001	.00027	.00033	.00010	.00068	.00337
%RSD	.95164	4.9965	42.187	6.2552	1.8791	1.3150	.82818
#1	.08634	.00024	.00075	.00539	.00533	.05255	.41027
#2	.08501	.00026	.00084	.00565	.00544	.05122	.40483
#3	.08486	.00025	.00033	.00499	.00554	.05164	.40412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00600	.00004	.01534	.06026	.00257	.00380	.03989
SDev	.00099	.00007	.00069	.00093	.00352	.00462	.00341
%RSD	16.510	171.49	4.5133	1.5406	137.20	121.54	8.5467
#1	.00513	.00010	.01460	.06110	.00376	.00159	.04186
#2	.00580	.00007	.01544	.06041	-.00140	.00911	.04186
#3	.00708	-.00004	.01598	.05927	.00533	.00070	.03595
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00626	.00116	10.648	16.193	5.4888	3.0487	.56280
SDev	.00299	.00242	.097	.129	.0381	.0256	.01276
%RSD	47.800	209.20	.90751	.79432	.69500	.84105	2.2673
#1	.00367	.00393	10.756	16.342	5.5286	3.0778	.57743
#2	.00953	.00012	10.571	16.120	5.4852	3.0391	.55396
#3	.00556	-.00057	10.615	16.118	5.4526	3.0293	.55701
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.767	.00087	-.00229	25.926	-.00052	.03978	.03959
SDev	.094	.00133	.00029	.232	.00343	.00356	.00381
%RSD	.79971	152.13	12.683	.89478	654.88	8.9466	9.6220
#1	11.843	.00070	-.00238	26.190	-.00444	.04352	.04067
#2	11.662	.00228	-.00253	25.758	.00194	.03938	.04274
#3	11.796	-.00036	-.00197	25.829	.00093	.03644	.03535
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1334

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00242	.00782
SDev	.00443	.00241
%RSD	183.21	30.830
#1	-.00213	.00622
#2	.00670	.01059
#3	.00267	.00665
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33498	--	--	--	--	--	--
SDev	254.6656	--	--	--	--	--	--
%RSD	.7602382	--	--	--	--	--	--
#1	33206	--	--	--	--	--	--
#2	33676	--	--	--	--	--	--
#3	33612	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-4 Operator:
Run Time: 08/13/04 21:54:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01572	.00004	.00012	.00064	.00338	.02008	.01255
SDev	.00028	.00002	.00020	.00030	.00015	.00020	.00012
%RSD	1.7609	46.835	176.64	47.094	4.5276	1.0171	.98505
#1	.01556	.00003	-.00010	.00076	.00354	.02022	.01267
#2	.01556	.00006	.00015	.00087	.00336	.01984	.01256
#3	.01604	.00003	.00030	.00030	.00324	.02017	.01243
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00262	.00002	.00118	.01554	.00166	-.00141	.00226
SDev	.00191	.00027	.00078	.00030	.00350	.00275	.00207
%RSD	72.824	1394.8	66.062	1.9360	210.59	194.90	91.707
#1	.00445	.00027	.00154	.01525	.00549	.00176	.00219
#2	.00275	.00006	.00170	.01551	.00090	-.00287	.00022
#3	.00065	-.00027	.00028	.01585	-.00140	-.00311	.00437
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00120	.00422	.05698	8.2671	.09207	2.1101	.80821
SDev	.00075	.00325	.00374	.0347	.01084	.0087	.01306
%RSD	62.954	76.857	6.5548	.42011	11.776	.41335	1.6158
#1	.00206	.00676	.05894	8.2999	.09568	2.1195	.82193
#2	.00075	.00534	.05933	8.2308	.10065	2.1023	.79592
#3	.00077	.00057	.05267	8.2707	.07988	2.1085	.80679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4908	.00036	-.00008	12.403	-.00006	.00230	.00177
SDev	.1065	.00074	.00103	.053	.00101	.00503	.00339
%RSD	2.3726	203.94	1262.3	.42769	1559.4	218.49	191.61
#1	4.4048	.00114	-.00081	12.451	-.00123	-.00324	.00458
#2	4.4576	-.00034	.00110	12.346	.00047	.00357	-.00199
#3	4.6100	.00030	-.00054	12.412	.00056	.00658	.00272
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00256	.00273
SDev	.00312	.00269
%RSD	121.66	98.762
#1	-.00607	.00581
#2	-.00154	.00153
#3	-.00009	.00084
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32933	--	--	--	--	--	--
SDev	224.4743	--	--	--	--	--	--
%RSD	.6816076	--	--	--	--	--	--
#1	32674	--	--	--	--	--	--
#2	33077	--	--	--	--	--	--
#3	33048	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-5 Operator:
Run Time: 08/13/04 22:02:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02278	.00002	.00007	.00103	-.00011	.00920	.35070
SDev	.00020	.00002	.00038	.00036	.00016	.00036	.00320
%RSD	.89598	78.764	518.85	34.647	156.00	3.8970	.91225
#1	.02285	.00001	-.00028	.00144	.00008	.00900	.34707
#2	.02294	.00004	.00003	.00088	-.00024	.00899	.35310
#3	.02255	.00001	.00047	.00077	-.00015	.00962	.35193
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00168	.00022	.00062	.00823	-.00110	-.00399	.00133
SDev	.00143	.00034	.00053	.00014	.00012	.00540	.00183
%RSD	84.874	159.21	86.320	1.7319	10.560	135.26	137.20
#1	.00288	.00028	.00008	.00814	-.00117	-.00437	.00073
#2	.00010	-.00015	.00115	.00816	-.00096	.00159	.00339
#3	.00206	.00053	.00062	.00840	-.00116	-.00919	-.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00228	.00455	.15013	14.383	.98429	1.1180	.08784
SDev	.00188	.00092	.00398	.125	.02081	.0155	.01949
%RSD	82.218	20.119	2.6530	.86863	2.1140	1.3873	22.188
#1	.00199	.00383	.14829	14.241	.96086	1.1001	.06534
#2	.00429	.00558	.14740	14.477	.99138	1.1277	.09955
#3	.00057	.00424	.15471	14.431	1.0006	1.1263	.09863
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.6382	-.00051	.00026	19.756	.00282	-.00034	.00170
SDev	.1909	.00080	.00221	.151	.00120	.00072	.00253
%RSD	2.4995	158.04	853.37	.76550	42.595	212.60	148.95
#1	7.4334	-.00097	.00020	19.585	.00149	-.00031	.00071
#2	7.6700	.00042	-.00192	19.872	.00316	.00036	.00458
#3	7.8113	-.00098	.00250	19.812	.00382	-.00107	-.00398
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00129	.00371
SDev	.00434	.00281
%RSD	337.04	75.649
#1	.00302	.00111
#2	-.00121	.00668
#3	-.00567	.00333
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33241	--	--	--	--	--	--
SDev	186.5630	--	--	--	--	--	--
%RSD	.5612379	--	--	--	--	--	--
#1	33455	--	--	--	--	--	--
#2	33157	--	--	--	--	--	--
#3	33112	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-6 Operator:
Run Time: 08/13/04 22:10:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00437	.00000	.00010	-.00002	-.00058	.02747	.04662
SDev	.00009	.00003	.00039	.00034	.00052	.00043	.00025
%RSD	2.0897	1845.5	391.41	1533.0	90.286	1.5668	.52882
#1	.00426	-.00003	.00039	-.00036	-.00003	.02778	.04672
#2	.00444	.00000	.00026	.00032	-.00064	.02698	.04634
#3	.00439	.00003	-.00034	-.00002	-.00106	.02765	.04681
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	-.00029	.00021	.02641	-.00287	.00137	.00358
SDev	.00122	.00004	.00104	.00030	.00190	.00277	.00074
%RSD	123.02	14.612	494.71	1.1445	66.113	201.54	20.700
#1	-.00040	-.00034	-.00020	.02641	-.00170	.00223	.00329
#2	.00190	-.00025	-.00056	.02670	L-.00507	-.00172	.00303
#3	.00148	-.00029	.00139	.02610	-.00185	.00362	.00442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00207	.00114	-.02453	11.593	1.1353	2.3084	.98589
SDev	.00096	.00409	.00183	.082	.0055	.0182	.01746
%RSD	46.338	358.30	7.4536	.70641	.48040	.78899	1.7714
#1	.00154	.00021	-.02560	11.659	1.1344	2.3239	1.0016
#2	.00149	.00561	-.02242	11.502	1.1411	2.2883	.96706
#3	.00317	-.00240	-.02557	11.620	1.1303	2.3129	.98905
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7590	.00033	-.00056	12.946	.00119	.00444	.00260
SDev	.0962	.00187	.00160	.063	.00219	.00591	.00324
%RSD	1.6705	567.84	284.86	.48784	184.96	133.15	124.56
#1	5.7085	.00082	.00109	12.936	.00280	.01103	-.00113
#2	5.6987	-.00174	-.00068	12.889	-.00131	-.00041	.00420
#3	5.8700	.00191	-.00211	13.014	.00207	.00271	.00417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00098	.00226
SDev	.00496	.00266
%RSD	507.92	117.33
#1	.00556	-.00079
#2	-.00428	.00401
#3	.00165	.00357
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32824	--	--	--	--	--	--
SDev	148.8113	--	--	--	--	--	--
%RSD	.4533575	--	--	--	--	--	--
#1	32972	--	--	--	--	--	--
#2	32826	--	--	--	--	--	--
#3	32674	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-7 Operator:
Run Time: 08/13/04 22:17:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01542	-.00002	.00001	.00007	.00318	.01406	.01218
SDev	.00018	.00004	.00013	.00052	.00012	.00006	.00011
%RSD	1.1872	232.74	1480.7	721.86	3.6503	.40313	.89493
#1	.01553	.00001	-.00001	-.00004	.00317	.01400	.01231
#2	.01521	-.00006	-.00011	-.00038	.00330	.01411	.01212
#3	.01553	-.00000	.00015	.00063	.00307	.01408	.01211
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00306	-.00004	.00016	.01278	-.00402	.00372	.00092
SDev	.00057	.00027	.00100	.00043	.00228	.00500	.00152
%RSD	18.519	654.31	624.51	3.3960	56.701	134.55	165.59
#1	.00264	-.00005	-.00095	.01277	-.00476	.00131	.00266
#2	.00370	-.00030	.00045	.01235	L-.00584	.00037	.00024
#3	.00283	.00023	.00098	.01322	-.00146	.00946	-.00015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00422	.00178	.05152	8.1183	.08323	2.0717	.76295
SDev	.00172	.00241	.00034	.0363	.01374	.0089	.01114
%RSD	40.668	135.14	.66505	.44672	16.513	.43162	1.4598
#1	.00400	.00371	.05144	8.1593	.06776	2.0810	.77578
#2	.00263	-.00092	.05123	8.1050	.08791	2.0632	.75732
#3	.00604	.00257	.05190	8.0905	.09403	2.0709	.75576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4467	.00083	.00030	12.186	-.00005	.00035	.00074
SDev	.1618	.00062	.00065	.042	.00060	.00265	.00094
%RSD	3.6381	75.179	215.02	.34648	1201.7	755.17	128.03
#1	4.2674	.00144	-.00028	12.233	.00056	.00324	.00183
#2	4.4910	.00086	.00100	12.153	-.00008	-.00024	.00017
#3	4.5817	.00019	.00019	12.171	-.00063	-.00195	.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00138	.00530
SDev	.00259	.00141
%RSD	188.30	26.601
#1	.00001	.00562
#2	-.00025	.00375
#3	.00437	.00651
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33349	--	--	--	--	--	--
SDev	114.2544	--	--	--	--	--	--
%RSD	.3426043	--	--	--	--	--	--
#1	33230	--	--	--	--	--	--
#2	33458	--	--	--	--	--	--
#3	33358	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-1F Operator:
Run Time: 08/13/04 22:25:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14060	.00005	.00051	.00098	.00043	.00348	.19032
SDev	.00118	.00006	.00072	.00220	.00178	.00154	.00316
%RSD	.84176	123.10	141.96	225.04	411.70	44.151	1.6618
#1	.14177	.00013	.00134	.00348	.00249	.00525	.19389
#2	.13940	.00002	.00016	.00007	-.00051	.00257	.18786
#3	.14064	.00001	.00003	-.00062	-.00068	.00261	.18922
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00148	.00060	.00022	.10750	-.00045	-.00232	.00186
SDev	.00232	.00140	.00009	.00344	.00448	.00734	.00176
%RSD	156.94	231.66	38.711	3.2034	998.99	316.89	95.080
#1	.00395	.00221	.00012	.11142	.00385	.00436	.00385
#2	.00112	-.00004	.00027	.10499	-.00010	L-.01017	.00051
#3	-.00064	-.00036	.00027	.10608	L-.00509	-.00113	.00120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00111	.00705	-.02395	44.205	.04114	4.3471	2.0687
SDev	.00123	.00868	.01273	.793	.02880	.0632	.0488
%RSD	110.20	123.13	53.160	1.7931	70.004	1.4537	2.3573
#1	-.00009	.01706	-.00975	45.107	.07439	4.4199	2.1247
#2	.00236	.00221	-.02774	43.621	.02379	4.3068	2.0360
#3	.00107	.00187	-.03434	43.887	.02525	4.3146	2.0453
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.5883	.00126	.00269	12.751	.00104	-.00343	.00394
SDev	.4234	.00062	.00568	.147	.00148	.00675	.00602
%RSD	4.9304	49.092	211.13	1.1529	142.29	196.66	152.55
#1	9.0662	.00198	.00924	12.916	.00190	-.01107	.01075
#2	8.2601	.00092	-.00035	12.634	.00188	.00173	-.00065
#3	8.4384	.00088	-.00082	12.702	-.00067	-.00095	.00173
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00491	.00376
SDev	.00546	.00148
%RSD	111.07	39.442
#1	-.01122	.00510
#2	-.00167	.00401
#3	-.00186	.00217
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32374	--	--	--	--	--	--
SDev	325.0681	--	--	--	--	--	--
%RSD	1.004115	--	--	--	--	--	--
#1	31999	--	--	--	--	--	--
#2	32538	--	--	--	--	--	--
#3	32584	--	--	--	--	--	--

Analysis Report

08/13/04 10:40:49 PM

Method: EPA3
Run Time: 08/13/04 22:33:12
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: N74914-2F

Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02286	.00002	-.00017	.00062	-.00012	.00229	.54290
SDev	.00018	.00004	.00011	.00024	.00015	.00056	.00317
%RSD	.79882	242.50	66.247	38.726	130.96	24.600	.58364
#1	.02292	.00002	-.00029	.00043	-.00003	.00241	.54241
#2	.02301	.00005	-.00007	.00054	-.00003	.00279	.54628
#3	.02266	-.00002	-.00015	.00089	-.00029	.00168	.54000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00012	-.00029	-.00030	.03409	.00154	-.00168	.00260
SDev	.00086	.00052	.00056	.00074	.00142	.00223	.00097
%RSD	724.95	182.74	188.00	2.1826	92.019	133.01	37.236
#1	-.00063	-.00005	.00020	.03448	-.00007	-.00073	.00183
#2	.00106	.00008	-.00090	.03456	.00207	-.00008	.00228
#3	-.00007	-.00088	-.00018	.03323	.00261	-.00423	.00369
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	.00276	-.02990	37.007	.26553	7.0898	2.8904
SDev	.00171	.00312	.00605	.228	.01937	.0426	.0218
%RSD	594.10	112.86	20.245	.61641	7.2947	.60052	.75424
#1	.00185	.00474	-.02338	36.990	.28138	7.1013	2.8997
#2	.00056	.00438	-.03097	37.243	.27128	7.1254	2.9060
#3	-.00154	-.00083	-.03535	36.788	.24394	7.0426	2.8655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.155	.00092	-.00067	21.077	.00085	.00304	.00182
SDev	.134	.00143	.00047	.117	.00044	.00212	.00046
%RSD	1.2014	155.50	70.111	.55552	51.808	69.826	25.502
#1	11.309	-.00072	-.00089	21.098	.00094	.00104	.00166
#2	11.092	.00190	-.00100	21.182	.00123	.00281	.00146
#3	11.064	.00159	-.00013	20.951	.00037	.00526	.00283
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1346

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00250	.00131
SDev	.00475	.00204
%RSD	190.21	156.00
#1	-.00217	.00348
#2	.00208	-.00057
#3	-.00741	.00102
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32131	--	--	--	--	--	--
SDev	189.5551	--	--	--	--	--	--
%RSD	.5899506	--	--	--	--	--	--
#1	31982	--	--	--	--	--	--
#2	32066	--	--	--	--	--	--
#3	32344	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-3F Operator:
Run Time: 08/13/04 22:40:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02665	.00002	.00014	.00229	.00002	.00374	.39109
SDev	.00038	.00002	.00031	.00020	.00014	.00073	.00447
%RSD	1.4351	94.791	227.47	8.9299	880.20	19.443	1.1421
#1	.02688	.00004	.00007	.00214	-.00014	.00450	.39476
#2	.02621	.00003	.00048	.00253	.00007	.00368	.38612
#3	.02686	-.00000	-.00014	.00222	.00012	.00305	.39238
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00295	-.00037	.00021	.01371	.00051	-.00222	.00107
SDev	.00117	.00036	.00045	.00015	.00221	.00635	.00126
%RSD	39.524	95.705	216.54	1.1260	437.93	286.14	118.19
#1	.00403	-.00074	.00069	.01383	.00290	.00395	-.00016
#2	.00311	-.00003	.00014	.01353	.00007	-.00874	.00237
#3	.00172	-.00034	-.00020	.01376	-.00146	-.00186	.00100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00101	-.03247	16.571	.20803	2.6996	.09493
SDev	.00346	.00063	.00231	.187	.00806	.0319	.02275
%RSD	12791.	62.597	7.0996	1.1267	3.8762	1.1818	23.968
#1	-.00366	.00065	-.02981	16.729	.21601	2.7263	.11932
#2	.00323	.00174	-.03365	16.365	.19988	2.6643	.07427
#3	.00035	.00064	-.03395	16.619	.20822	2.7084	.09121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.8307	.00050	-.00012	13.143	.00110	-.00197	.00205
SDev	.1106	.00049	.00075	.170	.00225	.00184	.00282
%RSD	1.1253	98.157	638.98	1.2903	205.03	93.303	137.65
#1	9.9581	.00038	.00073	13.287	.00112	-.00031	-.00063
#2	9.7591	.00008	-.00069	12.956	-.00117	-.00395	.00499
#3	9.7749	.00104	-.00039	13.185	.00333	-.00165	.00158
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00200	.00060
SDev	.00362	.00374
%RSD	180.61	622.17
#1	-.00616	-.00277
#2	-.00026	.00462
#3	.00042	-.00004
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33290	--	--	--	--	--	--
SDev	472.1932	--	--	--	--	--	--
%RSD	1.418418	--	--	--	--	--	--
#1	32796	--	--	--	--	--	--
#2	33737	--	--	--	--	--	--
#3	33338	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/13/04 22:48:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0343	2.0878	2.0432	2.0526	2.0377	2.0626	2.0475
SDev	.0165	.0147	.0153	.0132	.0145	.0151	.0146
%RSD	.81084	.70564	.74724	.64385	.71355	.73371	.71404
#1	2.0160	2.0721	2.0306	2.0379	2.0217	2.0458	2.0317
#2	2.0479	Q2.1013	2.0602	2.0634	2.0501	2.0753	2.0606
#3	2.0391	2.0900	2.0388	2.0564	2.0414	2.0666	2.0500
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0330	.25553	1.9837	2.0267	2.0198	1.9355	2.0638
SDev	.0172	.00232	.0194	.0147	.0065	.0191	.0061
%RSD	.84625	.90941	.97691	.72446	.32427	.98742	.29676
#1	2.0157	.25287	1.9632	2.0122	2.0135	1.9156	2.0568
#2	2.0501	.25658	2.0018	2.0415	2.0266	1.9537	2.0682
#3	2.0331	.25715	1.9862	2.0264	2.0192	1.9373	2.0663
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0545	2.0673	41.232	40.677	41.003	41.005	Q42.032
SDev	.0126	.0137	.276	.286	.374	.309	.279
%RSD	.61475	.66274	.66847	.70378	.91114	.75474	.66278
#1	2.0421	2.0544	40.925	40.385	40.593	40.676	41.719
#2	2.0541	2.0817	41.458	40.958	41.324	41.291	Q42.254
#3	2.0673	2.0659	41.314	40.688	41.092	41.049	Q42.122
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.605	2.0210	2.0526	5.2034	2.0125	2.0403	2.0751
SDev	.403	.0162	.0161	.0374	.0152	.0060	.0063
%RSD	.96857	.80221	.78482	.71955	.75464	.29422	.30225
#1	41.179	2.0038	2.0343	5.1611	1.9961	2.0339	2.0678
#2	41.980	2.0360	2.0648	5.2322	2.0261	2.0457	2.0790
#3	41.655	2.0233	2.0585	5.2169	2.0154	2.0413	2.0783
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0304	2.0662
SDev	.0072	.0160
%RSD	.35563	.77208
#1	2.0221	2.0517
#2	2.0345	2.0636
#3	2.0347	2.0833
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33266	--	--	--	--	--	--
SDev	204.6555	--	--	--	--	--	--
%RSD	.6152019	--	--	--	--	--	--
#1	33501	--	--	--	--	--	--
#2	33175	--	--	--	--	--	--
#3	33123	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/13/04 22:56:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00111	.00049	.00079	.00063	.00010	.00163	.00021
SDev	.00011	.00003	.00016	.00078	.00037	.00053	.00007
%RSD	10.052	6.2016	20.386	123.13	369.59	32.859	35.818
#1	.00119	Q.00053	Q.00098	.00108	.00045	.00104	.00028
#2	.00116	.00047	.00074	.00107	.00015	.00175	.00013
#3	.00098	.00047	.00067	-.00027	-.00030	.00210	.00022
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00100	.00020	.00018	.00062	-.00138	.00303	-.00079
SDev	.00114	.00020	.00061	.00034	.00301	.00333	.00218
%RSD	114.28	100.86	333.79	54.319	217.16	109.84	276.43
#1	.00222	.00043	.00077	.00092	.00135	-.00056	-.00093
#2	-.00005	.00011	-.00046	.00069	-.00460	.00603	-.00289
#3	.00084	.00006	.00024	.00026	-.00090	.00363	.00146
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00138	-.00335	Q-.03506	-.01813	.00791	-.01287	-.26527
SDev	.00051	.00204	.00326	.00146	.00873	.00267	.01455
%RSD	37.323	61.079	9.3066	8.0279	110.34	20.722	5.4862
#1	.00079	-.00402	Q-.03175	-.01658	.01771	-.01061	-.24848
#2	.00173	-.00497	Q-.03515	-.01833	.00098	-.01581	-.27441
#3	.00161	-.00105	Q-.03827	-.01947	.00504	-.01220	-.27291
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.29230	.00068	.00109	-.00572	-.00053	-.00270	-.00037
SDev	.11674	.00112	.00166	.00144	.00246	.00210	.00423
%RSD	39.937	163.07	152.25	25.221	465.63	77.814	1147.4
#1	-.15985	.00193	.00273	-.00450	.00213	-.00149	-.00118
#2	-.38021	-.00024	.00113	-.00534	-.00099	-.00148	-.00413
#3	-.33685	.00036	-.00059	-.00731	-.00273	-.00512	.00[illegible]
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00592	-.00125
SDev	.00187	.00035
%RSD	31.585	27.805
#1	.00383	-.00109
#2	.00652	-.00102
#3	.00743	-.00165
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33573	--	--	--	--	--	--
SDev	133.1095	--	--	--	--	--	--
%RSD	.3964800	--	--	--	--	--	--
#1	33419	--	--	--	--	--	--
#2	33645	--	--	--	--	--	--
#3	33654	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-4F Operator:
Run Time: 08/13/04 23:04:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01560	.00017	.00017	.00034	.00340	.01249	.01151
SDev	.00016	.00004	.00017	.00029	.00002	.00103	.00026
%RSD	1.0342	25.677	99.830	85.133	.72086	8.2268	2.2735
#1	.01541	.00020	.00000	.00064	.00338	.01143	.01121
#2	.01568	.00012	.00034	.00007	.00343	.01348	.01163
#3	.01570	.00018	.00017	.00030	.00339	.01255	.01170
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00269	-.00005	.00021	.01491	-.00164	.00006	.00197
SDev	.00071	.00056	.00036	.00024	.00285	.00435	.00089
%RSD	26.461	1088.2	177.24	1.6373	173.12	7241.9	45.031
#1	.00249	-.00057	.00061	.01464	-.00452	.00033	.00101
#2	.00348	-.00012	.00009	.01498	.00117	.00427	.00277
#3	.00210	.00054	-.00009	.01511	-.00159	-.00442	.00215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00078	.00613	-.03664	8.1204	.00713	2.0709	.84091
SDev	.00406	.00432	.00041	.1354	.00860	.0381	.03948
%RSD	521.61	70.409	1.1305	1.6676	120.58	1.8378	4.6951
#1	.00286	.00116	-.03617	7.9655	.01054	2.0272	.79533
#2	-.00390	.00837	-.03694	8.1794	-.00265	2.0972	.86320
#3	.00338	.00887	-.03682	8.2164	.01350	2.0882	.86421
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.3447	.00141	.00017	12.165	.00069	.00473	.00004
SDev	.0956	.00066	.00093	.180	.00220	.00041	.00131
%RSD	2.2010	46.903	562.80	1.4819	316.96	8.6049	3196.3
#1	4.2814	.00214	-.00090	11.957	-.00047	.00450	-.00128
#2	4.2981	.00086	.00082	12.257	-.00068	.00450	.00134
#3	4.4547	.00122	.00058	12.280	.00323	.00520	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00080	.00040
SDev	.00194	.00513
%RSD	241.27	1291.1
#1	.00193	.00296
#2	-.00143	-.00551
#3	.00192	.00374
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32495	--	--	--	--	--	--
SDev	358.3146	--	--	--	--	--	--
%RSD	1.102660	--	--	--	--	--	--
#1	32909	--	--	--	--	--	--
#2	32305	--	--	--	--	--	--
#3	32273	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-5F Operator:
Run Time: 08/13/04 23:11:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02184	.00005	.00021	.00103	.00002	.00586	.35363
SDev	.00060	.00001	.00060	.00065	.00025	.00058	.00788
%RSD	2.7390	19.948	282.28	62.985	1195.4	9.9404	2.2286
#1	.02242	.00005	.00027	.00066	-.00019	.00653	.36206
#2	.02123	.00004	.00078	.00178	.00030	.00545	.34645
#3	.02187	.00006	-.00041	.00065	-.00005	.00561	.35239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00224	-.00027	.00068	.01219	.00598	.00106	.00204
SDev	.00030	.00023	.00114	.00011	.00441	.00447	.00109
%RSD	13.446	86.470	167.19	.88210	73.624	420.83	53.679
#1	.00193	-.00030	-.00043	.01231	.01013	.00612	.00145
#2	.00253	-.00002	.00185	.01216	.00646	-.00055	.00136
#3	.00225	-.00048	.00063	.01211	.00136	-.00238	.00330
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00048	.00431	-.03797	15.214	.05481	1.1361	.13619
SDev	.00343	.00189	.00219	.330	.00298	.0235	.04039
%RSD	722.12	43.907	5.7688	2.1694	5.4394	2.0723	29.660
#1	.00307	.00221	-.04048	15.567	.05798	1.1624	.17888
#2	-.00378	.00485	-.03696	14.913	.05438	1.1169	.09857
#3	-.00072	.00588	-.03647	15.164	.05207	1.1289	.13112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.7868	.00013	-.00017	19.672	.00290	.00046	.00235
SDev	.1408	.00108	.00076	.461	.00273	.00388	.00290
%RSD	1.8084	822.11	440.20	2.3456	94.063	835.63	123.23
#1	7.8654	-.00100	-.00105	20.174	-.00003	-.00278	.00324
#2	7.6242	.00116	.00028	19.266	.00335	.00477	-.00089
#3	7.8707	.00023	.00025	19.575	.00537	-.00060	.00435
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00278	.00032
SDev	.00367	.00364
%RSD	132.09	1133.6
#1	-.00028	.00442
#2	-.00698	-.00254
#3	-.00107	-.00092
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32453	--	--	--	--	--	--
SDev	711.0149	--	--	--	--	--	--
%RSD	2.190920	--	--	--	--	--	--
#1	31674	--	--	--	--	--	--
#2	33066	--	--	--	--	--	--
#3	32618	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-6F Operator:
Run Time: 08/13/04 23:19:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00448	.00005	.00045	.00055	-.00024	.01750	.04387
SDev	.00007	.00004	.00009	.00071	.00049	.00018	.00016
%RSD	1.5215	69.172	19.050	129.54	207.82	1.0510	.36791
#1	.00449	.00003	.00050	.00008	-.00076	.01751	.04370
#2	.00455	.00004	.00035	.00020	-.00017	.01768	.04391
#3	.00442	.00010	.00051	.00136	.00022	.01732	.04401
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00239	.00014	-.00002	.02780	-.00044	.00564	-.00001
SDev	.00132	.00035	.00069	.00042	.00426	.00090	.00093
%RSD	55.135	251.53	4503.5	1.5017	976.82	15.921	6190.4
#1	.00088	-.00026	-.00080	.02767	.00437	.00475	-.00078
#2	.00333	.00029	.00029	.02747	-.00191	.00561	-.00028
#3	.00295	.00039	.00047	.02827	-.00376	.00654	.00102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	-.00090	-.04119	11.564	.53396	2.2888	1.0446
SDev	.00252	.00037	.00318	.038	.01368	.0068	.0056
%RSD	970.35	41.648	7.7170	.33036	2.5629	.29506	.54001
#1	-.00274	-.00111	-.04486	11.522	.51916	2.2840	1.0399
#2	.00229	-.00047	-.03937	11.571	.53657	2.2858	1.0430
#3	-.00033	-.00112	-.03934	11.598	.54616	2.2965	1.0509
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7094	.00139	.00037	12.863	.00011	-.00071	-.00022
SDev	.0278	.00141	.00204	.005	.00096	.00267	.00140
%RSD	.48683	101.01	543.99	.03810	850.52	374.72	623.77
#1	5.7101	.00300	-.00171	12.858	.00113	-.00365	.00009
#2	5.6813	.00079	.00046	12.865	-.00001	.00156	-.00176
#3	5.7369	.00039	.00237	12.867	-.00078	-.00005	.00092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00047	-.00053
SDev	.00123	.00352
%RSD	262.48	668.21
#1	-.00041	-.00428
#2	.00073	.00270
#3	-.00173	.00000
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32243	--	--	--	--	--	--
SDev	56.15362	--	--	--	--	--	--
%RSD	.1741565	--	--	--	--	--	--
#1	32178	--	--	--	--	--	--
#2	32278	--	--	--	--	--	--
#3	32274	--	--	--	--	--	--

Method: EPA3
Run Time: 08/13/04 23:27:05
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: N74914-7F Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01516	.00001	.00041	-.00000	.00333	.01229	.01133
SDev	.00024	.00003	.00042	.00058	.00022	.00062	.00018
%RSD	1.5610	515.67	102.99	16876.	6.4785	5.0656	1.6304
#1	.01512	-.00001	.00022	.00007	.00315	.01280	.01140
#2	.01495	-.00002	.00011	-.00061	.00328	.01159	.01112
#3	.01542	.00005	.00088	.00053	.00357	.01247	.01147
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00077	-.00020	-.00009	.01229	-.00326	.00430	.00180
SDev	.00159	.00037	.00047	.00033	.00116	.00468	.00175
%RSD	204.88	180.44	509.90	2.7111	35.427	108.88	97.384
#1	-.00105	.00021	-.00027	.01267	-.00196	-.00081	.00004
#2	.00178	-.00035	.00044	.01213	-.00416	.00839	.00181
#3	.00159	-.00048	-.00044	.01206	-.00367	.00532	.00354
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	.00129	-.03984	8.1222	.01884	2.0636	.80366
SDev	.00101	.00521	.00221	.0746	.00216	.0176	.02763
%RSD	720.90	403.74	5.5582	.91903	11.453	.85204	3.4383
#1	.00073	.00720	-.04208	8.1056	.01935	2.0642	.79639
#2	.00072	-.00262	-.03981	8.0572	.02070	2.0456	.78039
#3	-.00103	-.00071	-.03765	8.2037	.01647	2.0808	.83420
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4289	.00086	-.00068	12.120	.00118	.00242	.00101
SDev	.1426	.00003	.00060	.110	.00107	.00330	.00236
%RSD	3.2191	3.2370	87.673	.90881	90.506	136.10	233.62
#1	4.3037	.00084	-.00127	12.093	.00206	.00235	-.00166
#2	4.3990	.00084	-.00007	12.026	.00149	-.00084	.00282
#3	4.5841	.00089	-.00071	12.241	-.00001	.00575	.00188
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000
Elem	1960/1	1960/2			
Units	ppm	ppm			
Avge	-.00352	.00162			
SDev	.00465	.00089			
%RSD	132.38	55.171			
#1	.00005	.00070			
#2	-.00182	.00167			
#3	-.00878	.00248			
Errors	NOCHECK	NOCHECK			
High					
Low					

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32769	--	--	--	--	--	--
SDev	278.5215	--	--	--	--	--	--
%RSD	.8499526	--	--	--	--	--	--
#1	32795	--	--	--	--	--	--
#2	33034	--	--	--	--	--	--
#3	32478	--	--	--	--	--	--

Analysis Report

08/13/04 11:42:25 PM

Method: EPA3
Run Time: 08/13/04 23:34:46
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: MP26772-MB1 Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00664	.00001	.00022	.00041	.00023	.00288	.00120
SDev	.00001	.00002	.00018	.00030	.00005	.00036	.00005
%RSD	.18821	157.84	80.551	72.976	19.631	12.568	3.9727
#1	.00662	.00001	.00004	.00029	.00028	.00248	.00114
#2	.00664	.00004	.00039	.00018	.00023	.00319	.00122
#3	.00665	-.00000	.00024	.00074	.00019	.00297	.00123
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00554	-.00021	.00030	.00742	.00292	-.00666	.00176
SDev	.00101	.00052	.00027	.00019	.00161	.00327	.00076
%RSD	18.195	246.83	88.396	2.6177	55.125	49.184	43.117
#1	.00646	-.00079	.00059	.00759	.00114	-.00946	.00199
#2	.00570	-.00006	.00024	.00746	.00427	-.00306	.00239
#3	.00447	.00021	.00007	.00721	.00336	-.00745	.00092
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00266	-.00209	-.01070	.28824	.01300	.03689	.63825
SDev	.00189	.00067	.00232	.00134	.00701	.00031	.01256
%RSD	71.040	32.226	21.679	.46548	53.932	.84170	1.9675
#1	.00229	-.00181	-.00802	.28976	.00495	.03723	.65273
#2	.00099	-.00286	-.01192	.28772	.01630	.03663	.63041
#3	.00472	-.00160	-.01215	.28723	.01775	.03680	.63160
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1075.2	.00064	-.00014	.16347	H.01021	.00137	.00142
SDev	7.2	.00064	.00153	.00368	.00054	.00276	.00210
%RSD	.66916	99.666	1096.4	2.2529	5.2607	200.86	147.49
#1	H1083.5	-.00009	-.00188	.16757	.00977	.00391	.00050
#2	H1070.6	.00106	.00045	.16241	H.01006	-.00157	.00383
#3	H1071.5	.00096	.00101	.16044	H.01081	.00178	-.00005
Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00035	.00346
SDev	.00093	.00285
%RSD	268.34	82.355
#1	-.00072	.00343
#2	.00100	.00063
#3	.00076	.00633
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33595	--	--	--	--	--	--
SDev	152.5429	--	--	--	--	--	--
%RSD	.4540651	--	--	--	--	--	--
#1	33426	--	--	--	--	--	--
#2	33722	--	--	--	--	--	--
#3	33638	--	--	--	--	--	--

Analysis Report | QC Standard | 08/13/04 11:50:06 PM

Method: EPA3
Run Time: 08/13/04 23:42:28
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: CRIB

Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41624	.01097	.00875	.10841	.02117	.05529	.03194
SDev	.00094	.00004	.00028	.00079	.00039	.00058	.00019
%RSD	.22591	.36408	3.2477	.73193	1.8538	1.0455	.60811
#1	.41554	.01094	.00845	.10818	.02103	.05475	.03191
#2	.41731	.01101	.00901	.10929	.02161	.05590	.03214
#3	.41587	.01096	.00878	.10776	.02086	.05522	.03176
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.01000	.00800	.10000	.02000	.05000	.03000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08486	.02049	.10176	.04352	.00805	.01992	.00644
SDev	.00104	.00034	.00045	.00061	.00197	.00344	.00282
%RSD	1.2232	1.6493	.44077	1.3927	24.503	17.281	43.856
#1	.08465	.02061	.10126	.04388	Q.00650	.02385	.00426
#2	.08599	.02075	.10211	.04387	.00739	.01746	Q.00963
#3	.08395	.02011	.10193	.04282	.01027	.01844	.00544
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.08000	.02000	.10000	.04000	.01000	.02000	.00600
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01174	Q.00561	.37779	5.2702	.19049	5.1811	5.2756
SDev	.00234	.00153	.00302	.0121	.01076	.0140	.0176
%RSD	19.921	27.307	.80049	.22944	5.6463	.27094	.33433
#1	Q.01347	Q.00673	.37946	5.2681	.20165	5.1765	5.2553
#2	.01268	Q.00624	.37430	5.2832	.18019	5.1969	5.2858
#3	.00908	Q.00386	.37961	5.2593	.18965	5.1700	5.2858
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.01000	.40000	5.0000	.20000	5.0000	5.0000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3123	.02165	.11395	.43842	.02378	.00541	.00660
SDev	.1492	.00023	.00022	.00345	.00097	.00446	.00201
%RSD	2.8086	1.0422	.19167	.78723	4.0565	82.485	30.440
#1	5.2945	.02172	.11414	.44239	.02396	.00192	.00506
#2	5.1728	.02182	.11400	.43669	.02274	.01044	.00887
#3	5.4696	.02139	.11371	.43617	.02464	.00386	.00586
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	.02000	.10000	.40000	.02000
Range	30.000	30.000	30.000	30.000	30.000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.01496	.00980
SDev	.00478	.00141
%RSD	31.948	14.361
#1	.01703	.01133
#2	.01836	.00952
#3	.00950	.00856
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32975	--	--	--	--	--	--
SDev	29.08995	--	--	--	--	--	--
%RSD	.0882184	--	--	--	--	--	--
#1	32988	--	--	--	--	--	--
#2	32995	--	--	--	--	--	--
#3	32942	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSA Operator:
Run Time: 08/13/04 23:50:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00463	.00033	.00223	.00258	-.00043	.00336	-.00104
SDev	.00007	.00003	.00013	.00060	.00036	.00028	.00009
%RSD	1.5802	7.5109	5.7148	23.304	83.891	8.2032	8.3360
#1	.00463	.00036	.00237	.00325	-.00045	.00320	-.00109
#2	.00470	.00033	.00220	.00208	-.00006	.00367	-.00094
#3	.00456	.00031	.00212	.00241	-.00079	.00320	-.00109
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	.00054	.00314	.00002	Q-.00501	Q-.01283	.00004
SDev	.00126	.00019	.00050	.00059	.00493	.00886	.00278
%RSD	126.92	35.536	15.958	2703.2	98.353	69.096	6448.9
#1	.00145	.00032	.00372	-.00013	-.00091	-.00966	.00223
#2	.00195	.00065	.00286	.00068	-.00364	-.00598	Q-.00309
#3	-.00043	.00066	.00285	-.00048	Q-.01047	Q-.02283	.00099
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00108	.00005	542.09	539.63	195.02	525.44	-.10244
SDev	.00102	.00468	3.35	3.02	.92	2.36	.00454
%RSD	94.429	9633.1	.61836	.56001	.46962	.45002	4.4286
#1	-.00119	Q.00543	542.10	539.64	194.70	524.96	-.10590
#2	-.00001	-.00307	545.43	542.65	196.06	528.00	-.09731
#3	-.00203	-.00221	538.73	536.60	194.32	523.35	-.10412
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.43814	-.00022	.00066	.05985	.00626	-.00305	.00118
SDev	.12995	.00109	.00172	.00344	.00172	.00336	.00434
%RSD	29.660	489.30	261.96	5.7391	27.505	110.24	367.83
#1	-.32950	.00016	.00248	.06178	.00648	.00007	.00288
#2	-.58210	.00062	.00041	.06188	.00787	-.00262	-.00375
#3	-.40282	-.00145	-.00092	.05588	.00444	-.00661	.00087
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	
Range	5.0000	.00500	.05000	.20000	.01000
Elem	1960/1	1960/2			
Units	ppm	ppm			
Avge	-.00399	.00002			
SDev	.00253	.00193			
%RSD	63.425	10061.			
#1	-.00110	-.00162			
#2	-.00506	.00214			
#3	-.00581	-.00046			
Errors	NOCHECK	NOCHECK			
Value					
Range					

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31653	--	--	--	--	--	--
SDev	71.13361	--	--	--	--	--	--
%RSD	.2247271	--	--	--	--	--	--
#1	31694	--	--	--	--	--	--
#2	31571	--	--	--	--	--	--
#3	31695	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSAB Operator:
Run Time: 08/13/04 23:57:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52303	.48925	1.0022	.51653	.49241	.53266	.50170
SDev	.00615	.00500	.0090	.00606	.00565	.00681	.00551
%RSD	1.1751	1.0229	.89446	1.1732	1.1466	1.2791	1.0993
#1	.52955	.49461	1.0113	.52217	.49873	.53947	.50735
#2	.52221	.48845	1.0019	.51730	.49065	.53267	.50142
#3	.51734	.48470	.99335	.51012	.48786	.52584	.49633
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0135	1.0434	.49707	.97562	1.0621	.96298	1.0415
SDev	.0133	.0112	.00554	.01148	.0135	.01806	.0118
%RSD	1.3116	1.0775	1.1152	1.1772	1.2721	1.8757	1.1370
#1	1.0274	1.0552	.50240	.98743	1.0756	.97904	1.0533
#2	1.0121	1.0421	.49745	.97494	1.0622	.96648	1.0416
#3	1.0009	1.0329	.49134	.96449	1.0485	.94342	1.0297
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0515	1.0623	555.02	563.70	207.55	532.62	-.08917
SDev	.0083	.0149	6.62	7.00	2.54	5.87	.02145
%RSD	.79307	1.4002	1.1927	1.2410	1.2248	1.1024	24.059
#1	1.0599	1.0785	561.86	571.09	210.23	538.80	-.06642
#2	1.0514	1.0594	554.54	562.84	207.25	531.95	-.09206
#3	1.0433	1.0492	548.65	557.18	205.18	527.12	-.10903
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.45399	.50719	.55971	.13453	.00534	1.0234	1.0501
SDev	.04686	.00488	.00567	.00281	.00422	.0061	.0148
%RSD	10.321	.96285	1.0127	2.0924	79.016	.59849	1.4119
#1	-.42859	.51088	.56562	.13645	.00823	1.0290	1.0651
#2	-.42533	.50905	.55919	.13584	.00728	1.0244	1.0497
#3	-.50807	.50165	.55432	.13130	.00050	1.0169	1.0355
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value		.50000	.50000
Range		.10000	.10000
Elem	1960/1	1960/2	
Units	ppm	ppm	
Avge	1.0389	1.0575	
SDev	.0036	.0115	
%RSD	.35010	1.0870	
#1	1.0395	1.0698	
#2	1.0422	1.0556	
#3	1.0350	1.0470	
Errors	NOCHECK	NOCHECK	
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	31278	--	--	--	--	--	--
SDev	258.4097	--	--	--	--	--	--
%RSD	.8261744	--	--	--	--	--	--
#1	31021	--	--	--	--	--	--
#2	31275	--	--	--	--	--	--
#3	31538	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/14/04 00:05:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0754	Q2.1329	2.0879	Q2.1020	2.0845	Q2.1086	2.0949
SDev	.0358	.0380	.0347	.0381	.0361	.0377	.0376
%RSD	1.7261	1.7837	1.6607	1.8115	1.7322	1.7880	1.7959
#1	Q2.1166	Q2.1766	Q2.1277	Q2.1458	Q2.1259	Q2.1518	Q2.1382
#2	2.0519	Q2.1072	2.0641	2.0763	2.0599	2.0825	2.0701
#3	2.0577	Q2.1148	2.0719	2.0840	2.0676	2.0915	2.0765
Errors	QC Pass	QC Fail	QC Pass	QC Fail	QC Pass	QC Fail	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0787	.26110	2.0232	2.0699	2.0621	1.9674	Q2.1044
SDev	.0315	.00473	.0386	.0383	.0321	.0423	.0378
%RSD	1.5154	1.8118	1.9057	1.8526	1.5563	2.1509	1.7952
#1	Q2.1150	Q.26649	2.0670	Q2.1141	2.0991	2.0158	Q2.1449
#2	2.0586	.25765	1.9944	2.0452	2.0410	1.9494	2.0981
#3	2.0624	.25916	2.0083	2.0505	2.0464	1.9372	2.0702
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0910	Q2.1162	Q42.062	41.579	41.801	41.882	Q43.137
SDev	.0371	.0368	.716	.708	.740	.750	.600
%RSD	1.7727	1.7397	1.7022	1.7040	1.7703	1.7898	1.3914
#1	Q2.1304	Q2.1578	Q42.885	Q42.396	Q42.654	Q42.746	Q43.829
#2	2.0857	2.0878	41.581	41.129	41.328	41.404	Q42.751
#3	2.0568	Q2.1031	41.720	41.212	41.422	41.495	Q42.832
Errors	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q42.557	2.0650	2.0968	Q5.3192	2.0428	2.0745	2.1190
SDev	.742	.0364	.0340	.0975	.0407	.0490	.0327
%RSD	1.7426	1.7636	1.6201	1.8328	1.9944	2.3606	1.5425
#1	Q43.375	Q2.1062	Q2.1358	Q5.4306	2.0891	2.1297	2.1522
#2	41.928	2.0371	2.0736	5.2496	2.0124	2.0575	2.1179
#3	Q42.368	2.0517	2.0811	Q5.2773	2.0270	2.0362	2.0868
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0613	2.1055
SDev	.0505	.0303
%RSD	2.4520	1.4406
#1	2.1159	2.1373
#2	2.0520	2.1023
#3	2.0161	2.0769
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32409	--	--	--	--	--	--
SDev	483.2266	--	--	--	--	--	--
%RSD	1.491011	--	--	--	--	--	--
#1	31853	--	--	--	--	--	--
#2	32722	--	--	--	--	--	--
#3	32653	--	--	--	--	--	--

Method: EPA3 | Sample Name: CCB | Operator:
Run Time: 08/14/04 00:13:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00147	Q.00063	Q.00096	.00123	.00061	.00259	.00034
SDev	.00005	.00008	.00009	.00011	.00022	.00040	.00011
%RSD	3.5818	12.626	9.4527	9.3264	35.782	15.386	31.588
#1	.00141	Q.00071	.00086	.00112	.00051	.00219	.00046
#2	.00149	Q.00061	Q.00104	.00122	.00086	Q.00299	.00030
#3	.00151	Q.00055	Q.00097	.00135	.00046	.00258	.00025
Errors	QC Pass	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00256	.00056	.00051	.00138	-.00269	-.00084	.00042
SDev	.00061	.00012	.00028	.00023	.00373	.00292	.00092
%RSD	24.015	21.673	53.688	16.365	138.68	345.17	217.86
#1	.00201	.00061	.00047	.00149	.00101	-.00157	.00023
#2	.00245	.00066	.00027	.00112	-.00262	.00236	.00142
#3	.00322	.00043	.00081	.00154	Q-.00645	-.00333	-.00039
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.00134	Q.03871	.06470	.03877	.06686	-.19298
SDev	.00107	.00278	.03198	.04049	.01581	.03800	.01800
%RSD	522.37	208.26	82.628	62.582	40.790	56.832	9.3277
#1	-.00140	-.00024	Q.07078	.10732	Q.05694	.10532	-.17821
#2	.00012	-.00030	Q.03851	.06002	.02814	.06591	-.21303
#3	.00066	.00455	.00682	.02675	.03123	.02934	-.18770
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.28616	.00056	.00174	-.00009	.00306	-.00322	.00169
SDev	.13457	.00113	.00111	.00326	.00179	.00391	.00119
%RSD	47.027	201.03	63.786	3792.3	58.532	121.18	70.505
#1	-.40682	.00173	.00047	.00357	.00512	-.00118	.00039
#2	-.14103	-.00053	.00226	-.00270	.00207	-.00076	.00196
#3	-.31063	.00049	.00249	-.00113	.00198	-.00773	.00
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

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Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00189	.00027
SDev	.00291	.00181
%RSD	154.15	673.19
#1	-.00208	-.00143
#2	-.00470	.00217
#3	.00112	.00007
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	32517	--	--	--	--	--	--
SDev	216.8914	--	--	--	--	--	--
%RSD	.6670132	--	--	--	--	--	--
#1	32358	--	--	--	--	--	--
#2	32764	--	--	--	--	--	--
#3	32428	--	--	--	--	--	--

Analysis Report

08/14/04 00:28:37 AM

Method: EPA3
Run Time: 08/14/04 00:20:59
Comment:
Mode: CONC Corr.

Sample Name: MP26772-B1

Operator:

Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.235	.05063	.05312	.51642	.19998	.27801	.51117
SDev	.074	.00025	.00056	.00248	.00121	.00218	.00325
%RSD	.72099	.48895	1.0583	.48094	.60715	.78517	.63666
#1	10.316	.05090	.05330	.51885	.20097	.28036	.51442
#2	10.172	.05041	.05249	.51389	.19862	.27604	.50791
#3	10.216	.05059	.05356	.51651	.20034	.27763	.51118
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52134	.05183	.49001	.52232	2.0278	1.9923	2.0778
SDev	.00164	.00048	.00435	.00340	.0050	.0089	.0089
%RSD	.31464	.92275	.88711	.65155	.24751	.44491	.43029
#1	.52323	.05229	.49502	.52555	2.0312	1.9983	2.0676
#2	.52034	.05133	.48725	.51876	2.0220	1.9821	2.0843
#3	.52045	.05186	.48775	.52264	2.0301	1.9964	2.0816
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0414	.51663	2.2112	.04512	.96878	-.02282	.43521
SDev	.0071	.00438	.0261	.00153	.00315	.00275	.01453
%RSD	.34775	.84730	1.1813	3.3994	.32506	12.054	3.3395
#1	2.0339	.52142	2.2394	.04647	.96979	-.02084	.45177
#2	2.0420	.51284	2.1879	.04345	.97130	-.02166	.42461
#3	2.0481	.51564	2.2061	.04542	.96525	-.02596	.42923
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1074.2	.00122	.00006	.07836	.00993	2.0691	2.0819
SDev	5.0	.00048	.00048	.00196	.00267	.0071	.0167
%RSD	.46172	39.219	757.99	2.4973	26.904	.34448	.80248
#1	H1079.7	.00139	-.00049	.08056	.01106	2.0770	2.0626
#2	H1070.2	.00159	.00034	.07682	.01186	2.0671	2.0926
#3	H1072.6	.00068	.00033	.07769	.00688	2.0632	2.0374
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0400	2.0417
SDev	.0105	.0148
%RSD	.51573	.72450
#1	2.0513	2.0249
#2	2.0305	2.0474
#3	2.0381	2.0527
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33703	--	--	--	--	--	--
SDev	169.0902	--	--	--	--	--	--
%RSD	.5017076	--	--	--	--	--	--
#1	33518	--	--	--	--	--	--
#2	33849	--	--	--	--	--	--
#3	33742	--	--	--	--	--	--

Analysis Report

08/14/04 00:36:19 AM

Method: EPA3
Run Time: 08/14/04 00:28:41
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: MP26772-S1

Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.474	.05040	.30250	.51384	.28310	.30793	.81774
SDev	.028	.00004	.00124	.00172	.00102	.00020	.00166
%RSD	.22815	.08315	.41040	.33562	.36029	.06612	.20287
#1	12.502	.05040	.30143	.51229	.28220	.30811	.81757
#2	12.474	.05044	.30386	.51570	.28421	.30771	.81947
#3	12.445	.05036	.30219	.51354	.28289	.30798	.81617
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53071	.05095	.48395	3.7198	1.9918	1.9409	6.2914
SDev	.00236	.00043	.00192	.0125	.0016	.0168	.0705
%RSD	.44523	.83660	.39623	.33621	.08190	.86640	1.1212
#1	.52817	.05069	.48591	3.7169	1.9913	1.9246	6.2406
#2	.53111	.05144	.48387	3.7335	1.9936	1.9398	6.3720
#3	.53284	.05072	.48207	3.7090	1.9904	1.9582	6.2617
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9965	.52187	2.2888	50.476	.96475	2.7853	1.6451
SDev	.0272	.00159	.0081	.133	.00429	.0097	.0145
%RSD	1.3633	.30430	.35415	.26277	.44503	.34939	.88354
#1	1.9708	.52158	2.2824	50.408	.96530	2.7744	1.6417
#2	2.0250	.52358	2.2862	50.629	.96874	2.7931	1.6611
#3	1.9936	.52044	2.2979	50.391	.96021	2.7884	1.6326
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1044.5	.00309	-.00111	3.5905	.00774	6.2223	6.3256
SDev	1.2	.00180	.00023	.0058	.00151	.0274	.0931
%RSD	.11246	58.339	20.568	.16220	19.505	.44100	1.4721
#1	H1043.3	.00174	-.00118	3.5896	.00794	6.2126	6.2542
#2	H1045.6	.00239	-.00085	3.5967	.00614	6.2532	6.4309
#3	H1044.6	.00513	-.00129	3.5852	.00913	6.2009	6.2917
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV
Analyst: ND
Parameters: Be,Tl

Date Analyzed: 08/16/04
Run ID: MA14290

Methods: SW846 6020

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:07	MA14290-STD1	1		STD1
10:15	MA14290-STD2	1		STD2
10:22	MA14290-STD3	1		STD3
10:30	MA14290-STD4	1		STD4
10:37	MA14290-STD5	1		STD5
10:45	MA14290-ICV1	1		
11:12	MA14290-ICB1	1		
11:19	MA14290-CCV1	1		
11:29	MA14290-CCB1	1		
11:37	MA14290-CRI1	1		
11:53	MA14290-ICSA1	1		
12:01	MA14290-ICSAB1	1		
12:10	MA14290-CCV2	1		
12:19	MA14290-CCB2	1		
12:28	ZZZZZZ	2		
12:37	ZZZZZZ	2		
12:46	MP26767-S1	5		
12:56	MP26767-S2	5		
13:14	MP26857-MB1	2		Tl carryover.
13:23	MP26857-LC1	2		
13:41	N74646-12	2		(sample used for QC only; not part of login N74914)
13:50	MP26857-MB1	2		
14:00	MA14290-CCV3	1		
14:11	MA14290-CCB3	1		
14:18	MP26857-S1	5		
14:26	MP26857-S2	5		
14:41	MP26857-SD1	10		
14:48	ZZZZZZ	2		
14:57	ZZZZZZ	2		
15:05	ZZZZZZ	2		
15:12	MP26783-MB1	2		
15:20	MA14290-CCV4	1		
15:29	MA14290-CCB4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV
Analyst: ND
Parameters: Be,Tl

Date Analyzed: 08/16/04 Methods: SW846 6020
Run ID: MA14290

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:37	MP26783-LC1	2		
15:44	MP26783-S1	5		
15:52	MP26783-S2	5		
16:07	MP26783-SD1	10		
16:14	N74914-1	2		See rerun for Tl.
16:22	N74914-2	2		
16:29	MA14290-CCV5	1		
16:39	MA14290-CCB5	1		
16:49	MA14290-CCV6	1		
16:59	MA14290-CCB6	1		
17:08	N74914-3	2		
17:18	N74914-4	2		
17:28	N74914-5	2		
17:38	N74914-6	2		
17:48	N74914-7	2		
17:58	N74914-1F	2		
18:07	N74914-2F	2		
18:17	MA14290-CCV7	1		
18:27	MA14290-CCB7	1		
18:37	N74914-3F	2		
18:47	N74914-4F	2		
18:56	N74914-5F	2		
19:06	N74914-6F	2		
19:16	N74914-7F	2		
19:26	N74914-1	2		Tl.
---------->	Last reportable sample/prep for job N74914			
19:46	MA14290-CCV8	1		
19:55	MA14290-CCB8	1		
---------->	Last reportable CCB for job N74914			

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV
Analyst: ND
Parameters: Be,Tl

Date Analyzed: 08/16/04
Run ID: MA14290

Methods: SW846 6020

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
10:07	MA14290-STD1	100 R	100 R	100 R	100 R	100 R	100 R	100 R	100 R
10:15	MA14290-STD2	100.96	100.66	100.45	101.25	102.22	100.63	100.92	100.98
10:22	MA14290-STD3	101.19	99.99	99.92	100.82	102.96	100.85	101.13	101.85
10:30	MA14290-STD4	97.31	96.85	97.57	98.71	100.76	99.73	99.75	102.12
10:37	MA14290-STD5	92.47	95.36	95.82	96.01	99.59	98.92	98.92	98.71
10:45	MA14290-ICV1	92.34	96	97.46	97.78	101.32	100.27	99.98	101.21
11:12	MA14290-ICB1	100.24	101.1	101.51	102.98	104.89	102.47	102.54	103.71
11:19	MA14290-CCV1	92.77	95.53	96.39	97.18	100.09	98.73	99.34	100.41
11:29	MA14290-CCB1	96.3	98.4	98.08	98.86	99.9	98.68	98.83	99.43
11:37	MA14290-CRI1	97.48	99.84	99.23	100.66	102.03	99.61	99.62	100.42
11:53	MA14290-ICSA1	85.6	91.43	93.14	90.76	95.57	96.78	97.27	94.9
12:01	MA14290-ICSAB1	85.13	90.88	92.93	90.36	95.11	97.33	97.76	95.11
12:10	MA14290-CCV2	86.44	92.91	94.04	94.6	96.48	96.8	97.34	97.98
12:19	MA14290-CCB2	85.87	90.62	91.47	92.74	93.89	94.15	94.58	94.51
12:28	ZZZZZZ	89.01	90.85	92.3	92.64	93.69	94.64	94.92	96.69
12:37	ZZZZZZ	89.85	92.03	93.42	94.36	95.93	97.92	98.52	100.6
12:46	MP26767-S1	86.88	91.96	91.74	93.09	94.44	95.84	96.31	99.06
12:56	MP26767-S2	85.29	89.4	89.89	90.62	92.01	93.87	93.98	96.94
13:14	MP26857-MB1	90.22	89.45	90.9	91.8	92.73	95.09	95.72	97.99
13:23	MP26857-LC1	88.49	88.69	89.9	90.24	91.33	93.85	94.4	96.17
13:41	N74646-12	92.61	91.78	90.77	90.67	91.77	94.24	94.76	97.14
13:50	MP26857-MB1	89.78	88.42	89.09	90.3	90.69	92.82	93.22	97
14:00	MA14290-CCV3	84.79	86.67	87.32	87.49	88.44	90.8	91.36	94.03
14:11	MA14290-CCB3	86.78	87.16	87.03	88.18	88.55	90.38	91.03	94.05
14:18	MP26857-S1	88.91	90.45	88.29	89.53	90.25	91.91	92.41	95.65
14:26	MP26857-S2	87.95	90.19	88.71	89.67	90.35	91.94	92.23	95.08
14:41	MP26857-SD1	85.67	87.15	84.87	86.23	86.38	87.16	87.35	90.17
14:48	ZZZZZZ	92.09	92.86	89.88	90.3	90.98	92.94	93.42	95.9
14:57	ZZZZZZ	91.73	93.77	91.25	92.36	92.54	94.7	95.25	99.25
15:05	ZZZZZZ	93.21	94.63	92.52	93.05	93.51	95.77	96.12	99.02
15:12	MP26783-MB1	96.18	93.55	93.75	94.9	94.78	96.67	97.11	100.47
15:20	MA14290-CCV4	85.46	88.76	88.91	90.42	90.96	92.54	92.81	96.56
15:29	MA14290-CCB4	87.84	89.32	88.12	88.78	88.32	89.98	90.26	90.96
15:37	MP26783-LC1	91.35	91.61	91.19	92.11	92.03	94.31	94.78	98.54

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INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081604W1.CSV
Analyst: ND
Parameters: Be,Tl

Date Analyzed: 08/16/04
Run ID: MA14290

Methods: SW846 6020

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
15:44	MP26783-S1	89.62	92.55	91.2	92.19	92.47	94.15	94.32	97.67
15:52	MP26783-S2	90.18	92.19	90.96	92.01	92.77	93.93	94.42	97.45
16:07	MP26783-SD1	87.79	89.83	88.42	90.22	90.91	91.59	91.67	95.95
16:14	N74914-1	95.33	94.43	92.04	92.75	93.73	95.19	95.32	98.47
16:22	N74914-2	93.66	94.33	91.82	91.95	93.24	94.3	94.93	97.16
16:29	MA14290-CCV5	85.39	89.45	88.42	89.49	90.23	91.41	91.75	94.38
16:39	MA14290-CCB5	85.11	88.77	88.4	90.03	90.3	90.96	91.44	94.78
16:49	MA14290-CCV6	84.38	89.26	88.77	89.76	89.41	91.2	91.36	94.73
16:59	MA14290-CCB6	85.89	89.6	88.53	89.74	89.82	90.06	90.41	93.51
17:08	N74914-3	90.67	97.51	99.04	92.55	93.18	95.03	95.33	100.18
17:18	N74914-4	93.73	94.97	94	95.22	95.71	96.51	96.75	102.02
17:28	N74914-5	93.9	96.15	93.9	93.87	94.5	96.25	96.47	100.15
17:38	N74914-6	93.64	95.31	93.28	94.02	94.68	95.73	96.14	99.43
17:48	N74914-7	94.14	95.2	93.76	94.22	94.64	95.78	96.03	99.4
17:58	N74914-1F	95.41	96.32	93.85	93.64	94.26	95.57	95.81	98.49
18:07	N74914-2F	93.8	95.28	92.48	92.81	93.41	94.76	95.09	97.74
18:17	MA14290-CCV7	85.26	89.15	88.09	88.79	89.12	90.51	90.83	94.16
18:27	MA14290-CCB7	85.93	89.15	88.08	89.14	88.76	89.22	89.59	92.58
18:37	N74914-3F	92.83	93.65	92.04	92.24	92.56	93.89	93.99	97.84
18:47	N74914-4F	93.82	95.17	93.36	94.22	94.18	95.03	95.51	99.29
18:56	N74914-5F	94.61	96.01	93.89	94.45	94.87	95.48	95.88	99.57
19:06	N74914-6F	94.89	96.1	94.31	94.86	94.94	95.75	95.89	99.5
19:16	N74914-7F	94.7	95.91	94.14	95.06	95.35	95.78	96.06	99.7
19:26	N74914-1	96.09	96.94	94.53	94.74	95.11	95.42	95.67	98.98
19:46	MA14290-CCV8	85.87	88.78	88.47	89.66	90.13	90.88	91.2	94.82
19:55	MA14290-CCB8	87.07	89.62	88.7	90.53	90.12	90.14	90.33	94.31

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#1	Lithium	30-120 %	80-120 %
Istd#2	Scandium	30-120 %	80-120 %
Istd#3	Yttrium	30-120 %	80-120 %
Istd#4	Rhodium	30-120 %	80-120 %
Istd#5	Indium	30-120 %	80-120 %
Istd#6	Terbium	30-120 %	80-120 %
Istd#7	Holmium	30-120 %	80-120 %
Istd#8	Bismuth	30-120 %	80-120 %

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LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: X081604W1.CSV Date Analyzed: 08/16/04 Methods: SW846 6020
Analyst: ND Run ID: MA14290

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: ND Date 8/17/04

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): [signature] Date 8/18/04

ACCUTEST.

ICP-MS Analytical Standards Information Log

Analytical Run ID: MA 14290

Standard Type	Standard ID
Calibration Standard A	MA - 010 - 252 - STDA
Calibration Standard B	MA - 010 - 253 - STDB
Calibration Standard C	MA - 010 - 254 - STDC
Calibration Standard D	MA - 010 - 255 - STDD
Calibration Standard E	MA - 010 - 256 - STDE
Calibration Standard F	MA - ____ - ____ - STDF
Calibration Standard G	MA - ____ - ____ - STDG
Internal Standard	MA - 010 - 257 - IS
Internal Standard	MA - ____ - ____ - IS
Initial Calibration Check Standard	MA - 011 - 024 - ICV
Initial Calibration Check Standard	MA - 011 - 025 - ICVA
Continuing Calibration Check Standard	MA - 013 - 053 - CCV
Continuing Calibration Check Standard	MA - 013 - 054 - CCV/
Interfering Element ICSA Standard	MA - 017 - 011 - ICSA
Interfering Element ICSAB Standard	MA - 017 - 012 - ICS
Low Check Standard	MA - 065 - 036 - CRI
Cross Calibration Standard	MA - 016 - 013 - CR
Tuning Standard	MA 015 - 019 - TUNE
Mass Calibration and Detector Plateau Standard	MA - ____ - ____ - DP

5/16/04 1382

Autotune report

Sequence name : Default Xi tune
Sequence version : 4/5/2004 9:35:06 AM
Acquired at : 8/16/2004 9:18:24 AM

Result : Passed

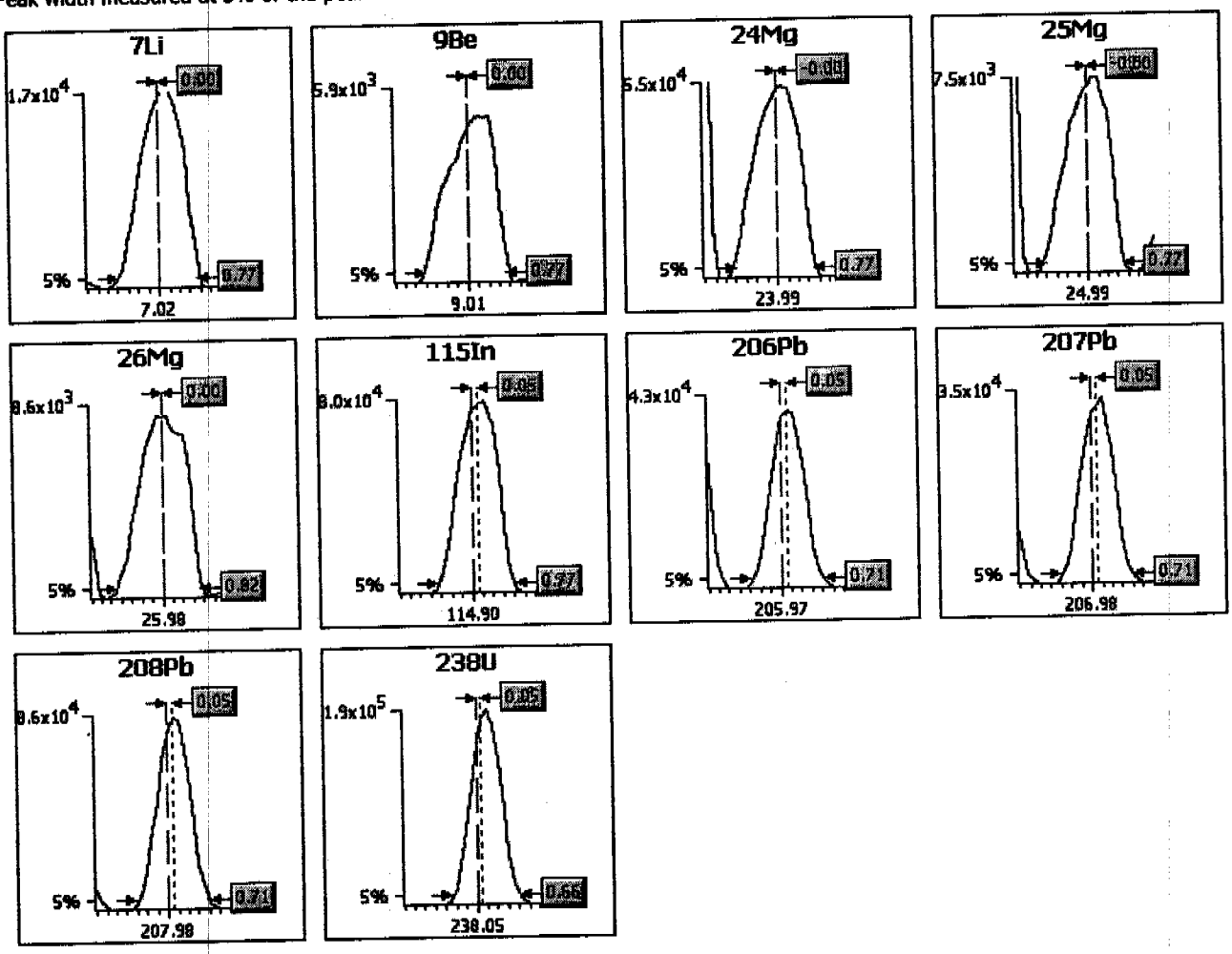
Stage	Analyte	Result
Stages	115In	70455.60
Lenses	115In	87648.76
Nebuliser	115In	84564.78
	156Ce O/140Ce	0.0145

Performance Report

Sample details
Acquired at : 08/16/2004 09:44:03 AM
Report name : IQ Xi Interface [06/22/2004 11:06:20 AM]

Mass Calibration verification

Acquisition parameters
Sweeps : 10
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	0.85	0.65	0.11	0.77	0.00
9Be	0.85	0.65	0.10	0.77	0.00
24Mg	0.85	0.65	0.11	0.77	-0.00
25Mg	0.85	0.65	0.11	0.77	-0.00
26Mg	0.85	0.65	0.11	0.82	0.00
115In	0.85	0.65	0.11	0.77	0.05
206Pb	0.85	0.65	0.11	0.71	0.05
207Pb	0.85	0.65	0.11	0.71	0.05
208Pb	0.85	0.65	0.11	0.71	0.05
238U	0.85	0.65	0.11	0.66	0.05

Sample details
Acquired at : 08/16/2004 09:44:03 AM
Report name : IQ XI interface [06/22/2004 11:06:20 AM]

Tune conditions

Major	
Extraction	-145
Lens 1	2.9
Focus	23.1
D1	-32.9
Pole Bias	3.0
Hexapole Bias	-2.0
Nebuliser	0.88
Sampling Depth	130

Minor	
Lens 2	-26.7
Lens 3	-125.5
Forward power	1349
Horizontal	113
Vertical	542
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	105
High resolution	125
Analogue Detector	2196
PC Detector	3618

Sensitivity and stability results

Acquisition parameters
Sweeps : 130

Run	Time	5Bkg	7Li	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	138Ba++
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	30.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	-
	Countrate	-	>1000	>100	>1000	>1000	>1000	-	-	-
1	09:44:09 AM	0.231	16732.799	4917.934	55385.274	7840.615	9207.001	130167.68	59881.221	587.439
2	09:45:24 AM	0.231	16708.945	4898.701	55131.917	7598.270	9313.175	129082.56	59810.367	621.542
3	09:46:38 AM	0.385	16611.220	4856.390	54691.434	7650.585	9192.383	130459.21	60615.951	610.004
4	09:47:52 AM	0.154	16391.148	4677.142	53778.906	7545.185	8986.961	129577.69	59482.283	586.157
5	09:49:06 AM	0.308	16298.810	4648.678	53922.137	7564.418	8943.107	129963.30	59071.797	606.670
x		0.262	16548.585	4799.769	54581.934	7639.815	9128.526	129850.09	59772.324	602.363
σ		0.09	194.13	127.30	714.14	119.17	157.12	535.72	570.06	15.25
%RSD		33.535	1.173	2.652	1.308	1.560	1.721	0.413	0.954	2.532

Run	Time	101Bkg	115In	138Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		100.0	10.0	10.0	10.0	30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	5.0%	-	-	-	5.0%	5.0%	5.0%	-
	Countrate	-	>100	-	-	-	>100	>100	>100	<1
1	09:44:09 AM	0.077	85493.799	653.081	63449.464	909.239	41923.722	35238.567	88898.189	0.154
2	09:45:24 AM	0.154	88499.791	626.158	65566.808	932.316	43233.298	36222.347	90861.714	0.000
3	09:46:38 AM	0.154	88846.559	620.773	66394.823	930.009	44352.740	36425.571	92074.700	0.538
4	09:47:52 AM	0.154	89780.533	631.542	66156.815	958.214	44649.927	36771.978	92502.411	0.308
5	09:49:06 AM	0.231	89444.547	635.389	66202.260	917.188	44524.431	36831.253	93231.455	0.538
x		0.154	88413.046	633.389	65554.034	929.393	43736.824	36297.943	91513.694	0.308
σ		0.05	1706.71	12.32	1216.54	18.67	1159.13	642.92	1696.24	0.24
%RSD		35.355	1.930	1.944	1.856	2.009	2.650	1.771	1.854	77.055

Run	Time	238U
Dwell (mSecs)		10.0
Limits	%RSD	5.0%
	Countrate	>100
1	09:44:09 AM	187881.56
2	09:45:24 AM	198371.19
3	09:46:38 AM	202527.81
4	09:47:52 AM	205862.92
5	09:49:06 AM	206443.77
x		200217.45
σ		7608.53
%RSD		3.800

Ratio results

Run	Time	7Li/5Bkg	56Ar O/59Co	115In/101Bkg	156Ce O/140Ce	238U/220Bkg
	Ratio limits	>20000.0000	-	>100000.0000	<0.0300	>100000.0000
1	09:44:09 AM	72508.797	2.174	1111419.4	0.014	1221230.2
2	09:45:24 AM	72405.429	2.158	575248.64	0.014	INF
		43189.173	2.152	577502.63	0.014	376123.07

1385

3	09:46:38 AM					
4	09:47:52 AM	106542.46	2.178	583573.46	0.014	669054.50
5	09:49:06 AM	52971.132	2.200	387593.04	0.014	383395.58
x		69523.398	2.1725	647067.43	0.0142	662450.83
σ		24264.68	0.02	272478.61	0.00	453653.57
%RSD		34.9015	0.8653	42.1098	1.7716	68.4811

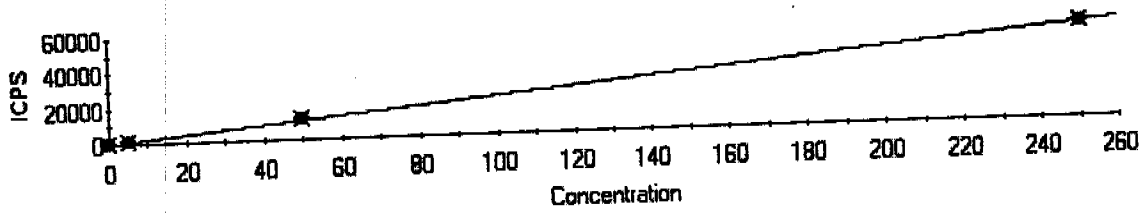
Result : The performance report passed.

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	std1 2	Fully Quant Standard	1.00	1	1	1	144
2	std2	Fully Quant Standard	1.00	1	1	2	144
3	std3	Fully Quant Standard	1.00	1	1	3	144
4	std4	Fully Quant Standard	1.00	1	1	4	144
5	std5	Fully Quant Standard	1.00	1	1	5	144
6	icv	Unknown	1.00	1	1	6	144
7	icb	Unknown	1.00	1	1	7	144
8	ccv	Unknown	1.00	0	1	1	144
9	ccb	Unknown	1.00	0	1	2	144
10	cri	Unknown	1.00	1	1	8	144
11	icsa	Unknown	1.00	1	1	11	144
12	icsab	Unknown	1.00	1	1	12	144
13	ccv	Unknown	1.00	0	1	1	144
14	ccb	Unknown	1.00	0	1	2	144
15	mp26767-mb1conf df2 df2	Unknown	2.00	1	2	1	144
16	mp26767-lc1conf df2	Unknown	2.00	1	2	2	144
17	mp26767-s1 df5	Unknown	5.00	1	2	3	144
18	mp26767-s2 df5	Unknown	5.00	1	2	4	144
19	mp26768-mb1 df2	Unknown	2.00	1	2	5	144
20	mp26768-lc1 df2	Unknown	2.00	1	2	6	144
21	n74646-12 df2	Unknown	2.00	1	2	9	144
22	mp26768-mb1 df2	Unknown	2.00	1	2	5	144
23	ccv	Unknown	1.00	0	1	1	144
24	ccb	Unknown	1.00	0	1	2	144
25	mp26768-s1 df5	Unknown	5.00	1	2	7	144
26	mp26768-s2 df5	Unknown	5.00	1	2	8	144
27	mp26768-sd1 df10	Unknown	1.00	1	2	10	144
28	n74646-13 df2	Unknown	2.00	1	2	11	144
29	n74646-12f df2	Unknown	2.00	1	2	12	144
30	n74646-13f df2	Unknown	2.00	1	3	1	144
31	mp26783-mb1 df2	Unknown	2.00	1	3	2	144
32	ccv	Unknown	1.00	0	1	1	144
33	ccb	Unknown	1.00	0	1	2	144
34	mp26783-lc1 df2	Unknown	2.00	1	3	3	144
35	mp26783-s1 df5	Unknown	5.00	1	3	4	144
36	mp26783-s2 df5	Unknown	5.00	1	3	5	144
37	mp26783-sd1 df10	Unknown	10.00	1	3	7	144
38	n74914-1 df2	Unknown	2.00	1	3	6	144
39	n74914-2 df2	Unknown	2.00	1	3	8	144
40	ccv	Unknown	1.00	0	1	1	144
41	ccb	Unknown	1.00	0	1	2	144
42	ccv	Unknown	1.00	0	1	1	144
43	ccb	Unknown	1.00	0	1	2	144
44	n74914-3 df2	Unknown	2.00	1	3	9	144
45	n74914-4 df2	Unknown	2.00	1	3	10	144
46	n74914-5 df2	Unknown	2.00	1	3	11	144
47	n74914-6 df2	Unknown	2.00	1	3	12	144
48	n74914-7 df2	Unknown	2.00	1	4	1	144
49	n74914-1f df2	Unknown	2.00	1	4	2	144
50	n74914-2f df2	Unknown	2.00	1	4	3	144
51	ccv	Unknown	1.00	0	1	1	144
52	ccb	Unknown	1.00	0	1	2	144
53	n74914-3f df2	Unknown	2.00	1	4	4	144
54	n74914-4f df2	Unknown	2.00	1	4	5	144
55	n74914-5f df2	Unknown	2.00	1	4	6	144
56	n74914-6f df2	Unknown	2.00	1	4	7	144
57	n74914-7f df2	Unknown	2.00	1	4	8	144
58	n74914-1 df2	Unknown	2.00	1	4	9	144
59	n74646-13 df2	Unknown	2.00	1	4	10	144
60	ccv	Unknown	1.00	0	1	1	144
61	ccb	Unknown	1.00	0	1	2	144

Fully Quant Calibration

[redacted]



Intercept CPS=0.000000 Intercept Conc=0.000000
Sensitivity=217.761480 Correlation Coeff=0.999914

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.06	0.061	3.34	0.00
std2	5.00	3.00	2.006	53.02	40.02
std3	50.00	51.77	1.771	1274.10	3.55
std4	250.00	249.69	0.315	4371.88	0.13

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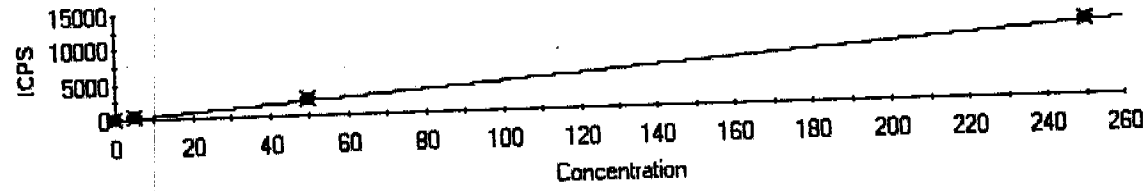
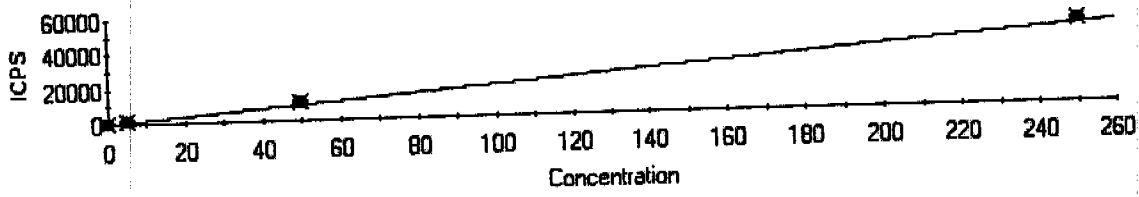


Intercept CPS=108.067472 Intercept Conc=2.589313
Sensitivity=41.735965 Correlation Coeff=0.999941

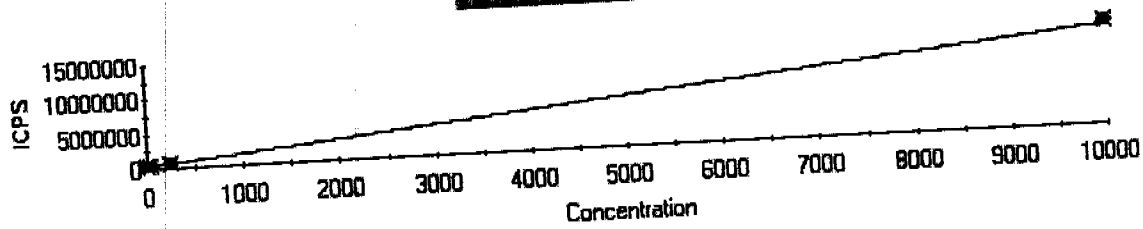
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.41	0.411	25.01	0.00
std2	5.00	3.44	1.562	51.63	31.21
std3	50.00	52.08	2.082	281.80	4.17
std4	250.00	252.82	2.821	0659.67	1.13

[redacted]



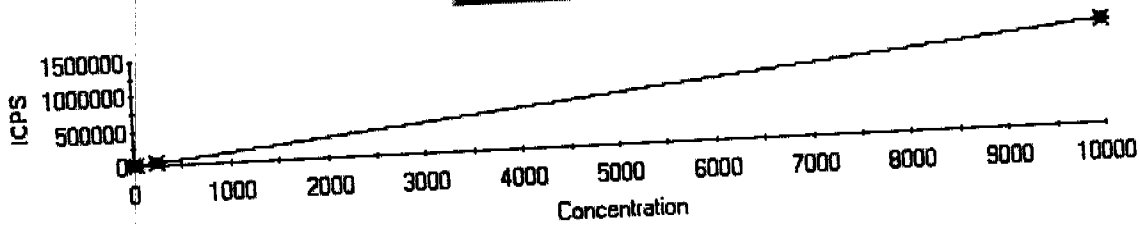
Intercept CPS=527.449472 Intercept Conc=2.944875
Sensitivity=179.107565 Correlation Coeff=0.999944

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.22	0.225	66.65	0.00
std2	5.00	3.20	1.801	100.97	35.96
std3	50.00	53.40	3.401	0091.38	6.80
std4	250.00	261.19	11.19	47308.19	4.48



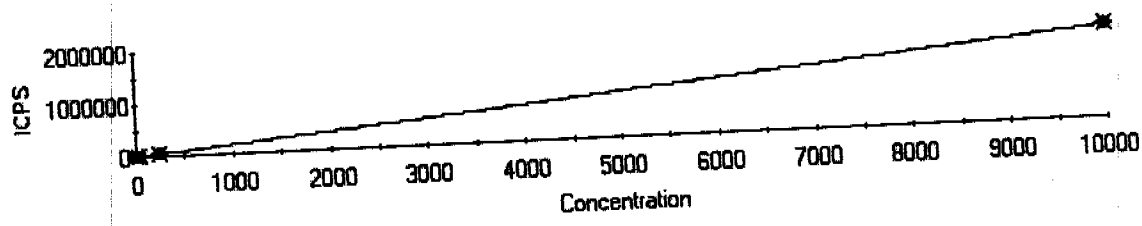
Intercept CPS=164009.155455 Intercept Conc=114.499721
Sensitivity=1432.397867 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.83	0.83	162823.24	0.00
std2	5.00	2.51	2.49	167608.35	49.75
std3	50.00	50.09	0.09	235753.01	0.17
std4	250.00	248.39	1.61	519795.58	0.65
std5	10000.00	10097.05	97.05	14626995.10	0.97



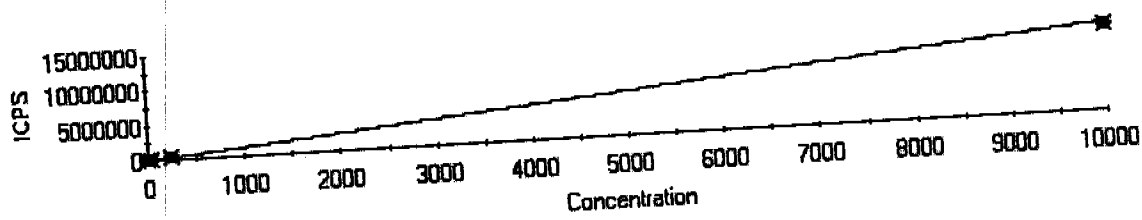
Intercept CPS=889.628219 Intercept Conc=5.989718
Sensitivity=148.525888 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-1.62	1.626	49.63	0.00
std2	5.00	30.01	25.01	5346.37	500.13
std3	50.00	50.50	0.508	390.63	1.01
std4	250.00	246.36	3.643	7481.07	1.45
std5	10000.00	9927.63	72.37	1475400.18	0.72



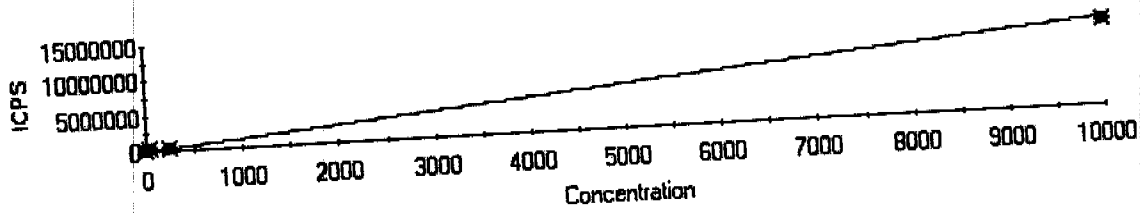
Intercept CPS=1435.258592 Intercept Conc=8.145234
Sensitivity=176.208383 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-3.62	3.627	97.26	0.00
std2	5.00	27.86	22.86	6344.06	457.16
std3	50.00	48.48	1.529	977.96	3.04
std4	250.00	247.88	2.124	5114.06	0.85
std5	10000.00	9975.67	24.33	1759231.34	0.24



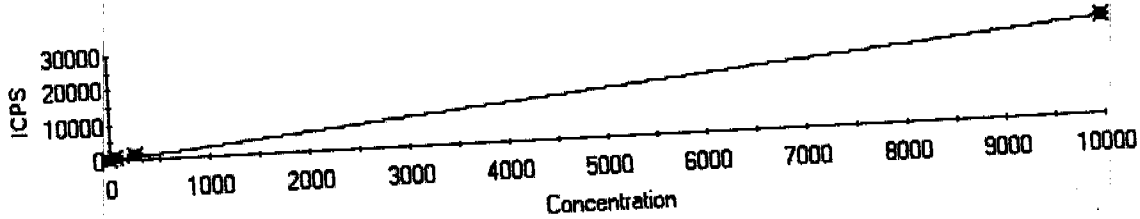
Intercept CPS=1145.250077 Intercept Conc=0.903163
Sensitivity=1268.043393 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	1.33	1.33	2829.98	0.00
std2	5.00	4.98	0.02	7459.02	0.42
std3	50.00	53.06	3.06	68432.42	6.13
std4	250.00	248.66	1.34	316454.42	0.54
std5	10000.00	9590.81	409.19	12162708.56	4.09



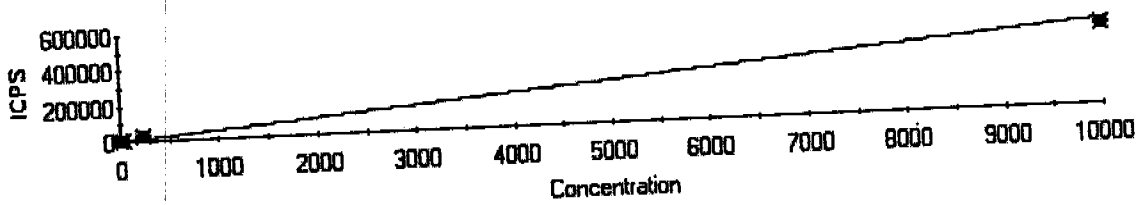
Intercept CPS=112043.929875 Intercept Conc=89.339609
Sensitivity=1254.134992 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.40	0.40	111543.55	0.00
std2	5.00	2.58	2.42	115283.56	48.34
std3	50.00	50.75	0.75	175689.76	1.50
std4	250.00	249.71	0.29	425217.56	0.11
std5	10000.00	9646.26	353.74	12209761.33	3.54



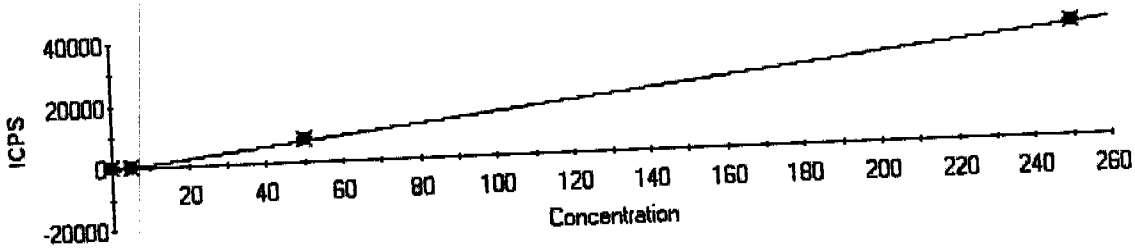
Intercept CPS=48.976024 Intercept Conc=17.273192
Sensitivity=2.835378 Correlation Coeff=0.999848

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.69	0.69	47.01	0.00
std2	5.00	1.76	3.24	53.97	64.77
std3	50.00	88.01	38.01	298.53	76.03
std4	250.00	433.23	183.23	1277.36	73.29
std5	10000.00	9988.23	11.77	28369.38	0.12



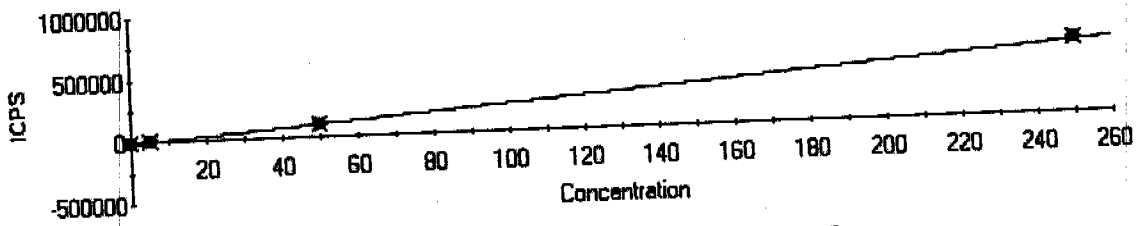
Intercept CPS=2787.977335 Intercept Conc=57.735754
Sensitivity=48.288576 Correlation Coeff=0.999941

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-11.06	11.06	2253.89	0.00
std2	5.00	-11.49	16.49	2233.26	329.75
std3	50.00	53.06	3.06	5350.05	6.12
std4	250.00	329.73	79.73	18709.99	31.89
std5	10000.00	9374.26	625.74	455457.58	6.26



Intercept CPS=-139.012401 Intercept Conc=-0.952422
Sensitivity=145.956702 Correlation Coeff=0.999952

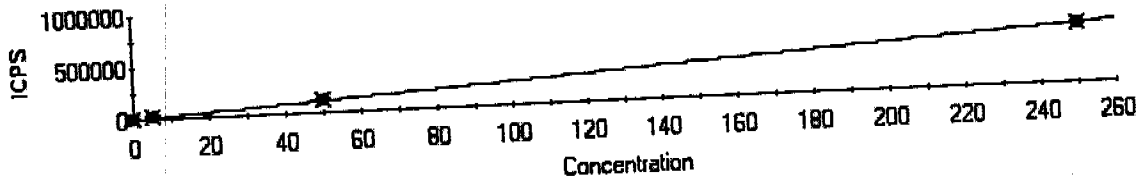
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	1.12	1.122	4.36	0.00
std2	5.00	4.05	0.954	52.36	18.97
std3	50.00	51.93	1.937	440.07	3.85
std4	250.00	251.33	1.333	6544.79	0.53



Intercept CPS=-11962.584299 Intercept Conc=-4.996407
Sensitivity=2394.237492 Correlation Coeff=0.999925

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	2.14	2.14-	6827.79	0.00
std2	5.00	4.31	0.69-	1646.83	13.83
std3	50.00	49.42	0.581	06370.62	1.15
std4	250.00	253.01	3.015	93814.08	1.21

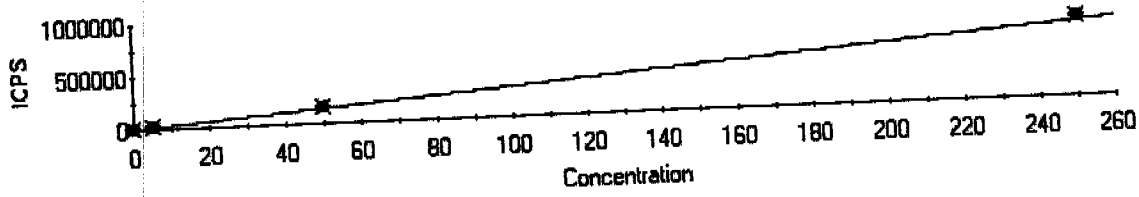
[redacted]



Intercept CPS=332.367455 Intercept Conc=0.143119
Sensitivity=2322.318378 Correlation Coeff=0.999946

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	1.18	1.183	082.38	0.00
std2	5.00	4.84	0.161	1564.70	3.27
std3	50.00	50.38	0.381	17331.33	0.76
std4	250.00	238.46	11.54	554118.74	4.61

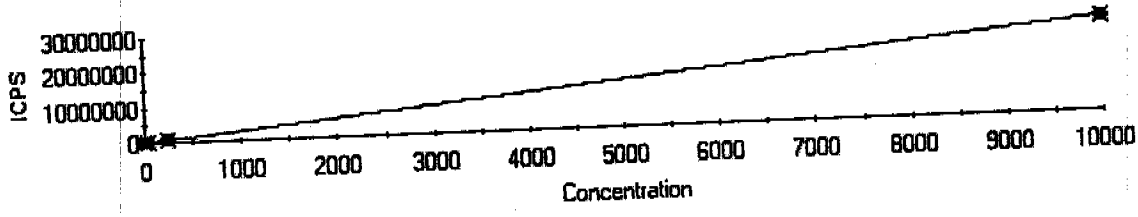
[redacted]



Intercept CPS=467.259554 Intercept Conc=0.163647
Sensitivity=2855.284531 Correlation Coeff=0.999921

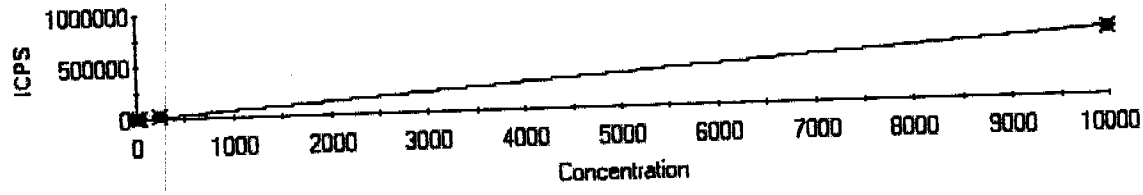
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.05	0.056	18.73	0.00
std2	5.00	3.53	1.471	0538.27	29.46
std3	50.00	54.86	4.861	57122.22	9.73
std4	250.00	263.75	13.75	753549.05	5.50

[redacted]



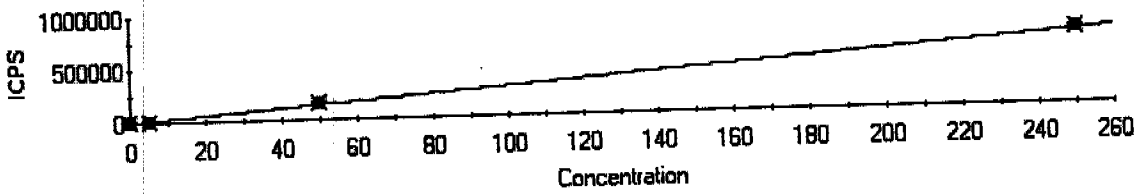
Intercept CPS=118241.606087 Intercept Conc=43.726305
Sensitivity=2704.129843 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-1.97	1.97	112919.59	0.00
std2	5.00	6.38	1.38	135503.63	27.67
std3	50.00	51.42	1.42	257285.44	2.84
std4	250.00	248.40	1.60	789948.88	0.64
std5	10000.00	9784.46	215.54	26576700.20	2.16



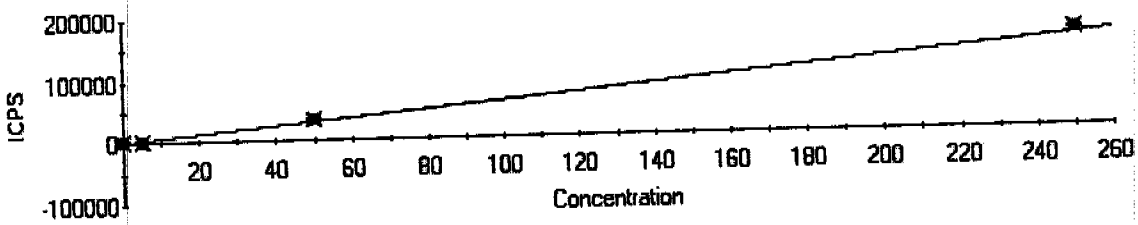
Intercept CPS=1451.642069 Intercept Conc=22.113437
Sensitivity=65.645249 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-1.97	1.97	1322.21	0.00
std2	5.00	4.94	0.06	1775.65	1.29
std3	50.00	51.51	1.51	4832.97	3.02
std4	250.00	253.71	3.71	18106.43	1.48
std5	10000.00	9741.73	258.27	640949.67	2.58



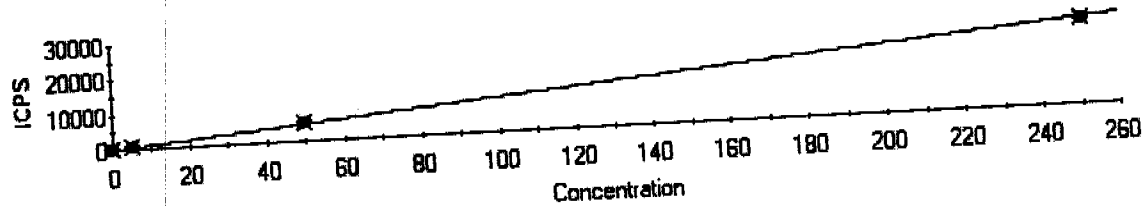
Intercept CPS=55.913973 Intercept Conc=0.020118
Sensitivity=2779.296412 Correlation Coeff=0.999902

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.00	0.006	1.46	0.00
std2	5.00	2.95	2.058	245.42	41.07
std3	50.00	52.73	2.731	46599.07	5.45
std4	250.00	253.40	3.407	04333.42	1.36



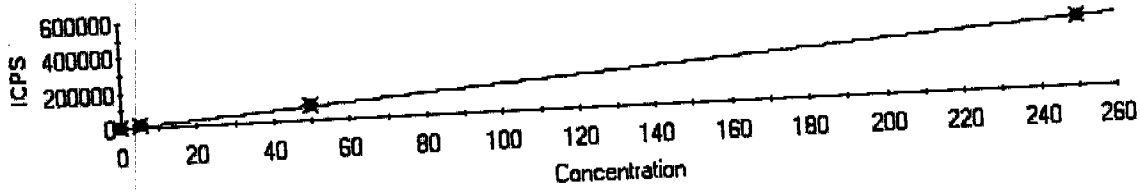
Intercept CPS=-266.288838 Intercept Conc=-0.435039
Sensitivity=612.103845 Correlation Coeff=0.999924

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.84	0.842	49.93	0.00
std2	5.00	4.05	0.952	212.54	19.01
std3	50.00	54.03	4.033	2806.57	8.06
std4	250.00	257.83	7.831	57550.59	3.13



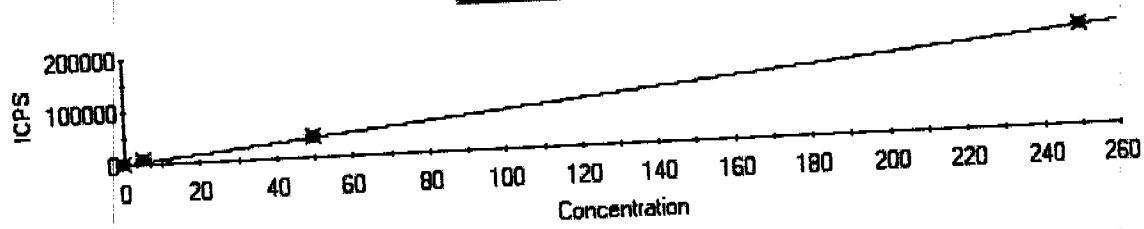
Intercept CPS=54.546489 Intercept Conc=0.553517
Sensitivity=98.545236 Correlation Coeff=0.999918

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.01	0.015	5.66	0.00
std2	5.00	2.85	2.153	35.09	43.06
std3	50.00	50.18	0.184	999.06	0.35
std4	250.00	242.60	7.402	3961.66	2.96



Intercept CPS=1038.902656 Intercept Conc=0.659388
Sensitivity=1575.556736 Correlation Coeff=0.999863

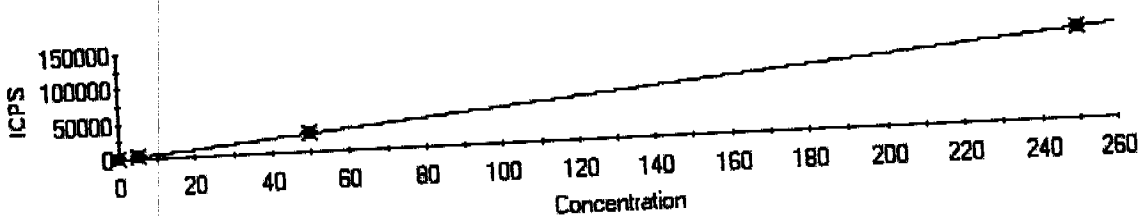
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.41	0.413	86.42	0.00
std2	5.00	8.90	3.901	5059.74	77.98
std3	50.00	51.57	1.578	2297.30	3.15
std4	250.00	245.09	4.913	87189.71	1.96



Intercept CPS=206.789017 Intercept Conc=0.273460
Sensitivity=756.194989 Correlation Coeff=0.999881

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.04	0.041	80.25	0.00
std2	5.00	9.22	4.227	177.15	84.35
std3	50.00	52.50	2.503	9905.93	5.00
std4	250.00	249.78	0.221	89086.70	0.09

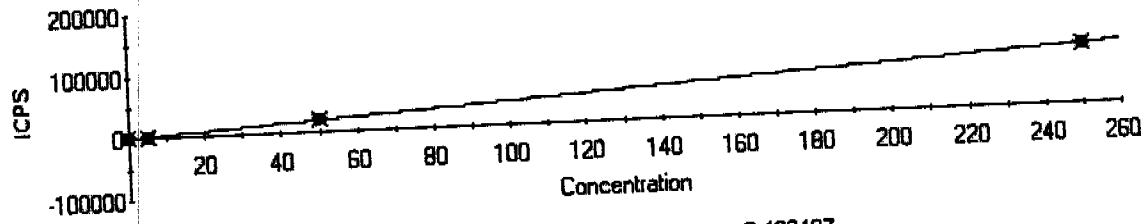
[redacted]



Intercept CPS=426.339066 Intercept Conc=0.811943
Sensitivity=525.085257 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.59	0.597	37.27	0.00
std2	5.00	4.23	0.772	647.65	15.39
std3	50.00	51.12	1.122	7269.20	2.24
std4	250.00	247.73	2.271	30505.76	0.91

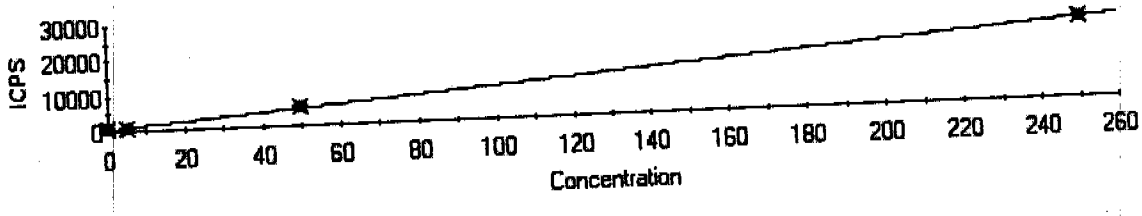
[redacted]



Intercept CPS=-172.108357 Intercept Conc=-0.438407
Sensitivity=392.576574 Correlation Coeff=0.999935

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.63	0.637	6.94	0.00
std2	5.00	3.28	1.721	113.60	34.50
std3	50.00	50.77	0.771	9760.81	1.55
std4	250.00	246.47	3.539	6587.76	1.41

[redacted]

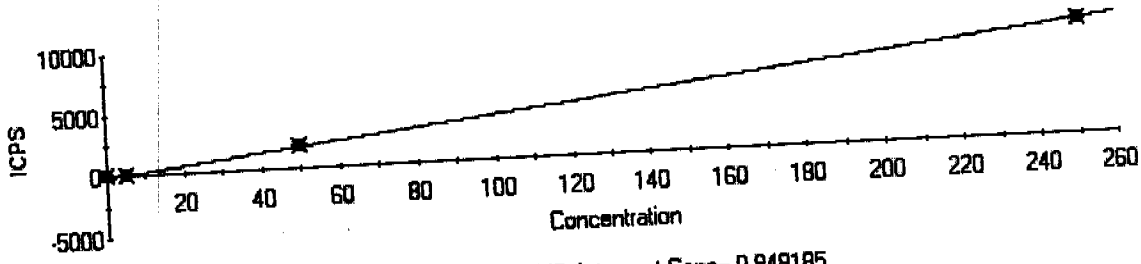


Intercept CPS=443.650773 Intercept Conc=4.974738
Sensitivity=89.180730 Correlation Coeff=0.999929

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.36	0.364	75.92	0.00
std2	5.00	3.08	1.927	18.41	38.38
std3	50.00	51.50	1.505	036.18	2.99
std4	250.00	249.94	0.062	2733.22	0.03

1395

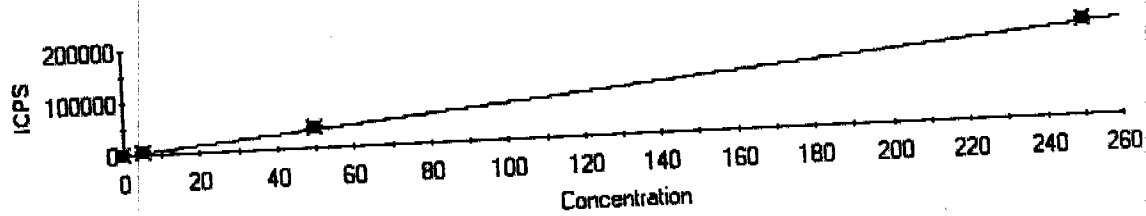
[redacted]



Intercept CPS=-35.779448 Intercept Conc=-0.949185
Sensitivity=37.694907 Correlation Coeff=0.999958

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	1.10	1.105	.57	0.00
std2	5.00	3.98	1.021	14.22	20.41
std3	50.00	51.31	1.311	898.28	2.62
std4	250.00	249.69	0.319	376.31	0.12

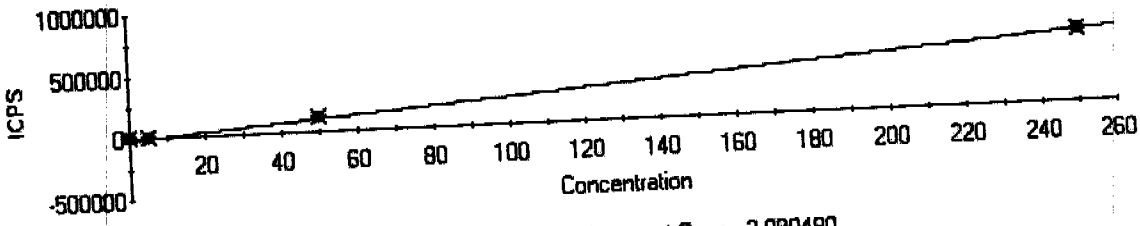
[redacted]



Intercept CPS=2.397104 Intercept Conc=0.003344
Sensitivity=716.840177 Correlation Coeff=0.999946

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.03	0.032	4.91	0.00
std2	5.00	2.89	2.112	071.54	42.27
std3	50.00	51.71	1.713	7067.39	3.41
std4	250.00	254.35	4.351	82328.78	1.74

[redacted]



Intercept CPS=-4866.460184 Intercept Conc=-2.080490
Sensitivity=2339.092862 Correlation Coeff=0.999898

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	3.69	3.693	771.22	0.00
std2	5.00	4.60	0.405	891.42	8.02
std3	50.00	51.56	1.561	15727.13	3.11
std4	250.00	248.75	1.255	76982.33	0.50

1396

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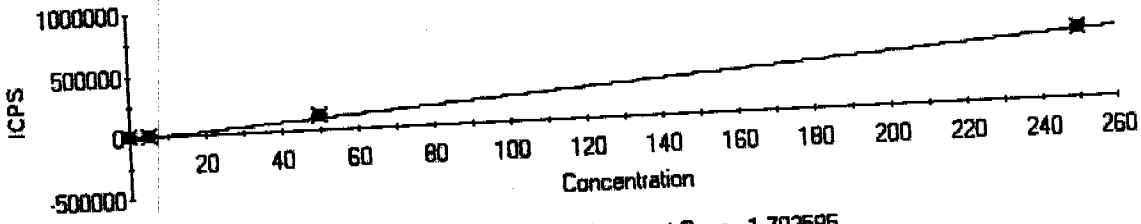
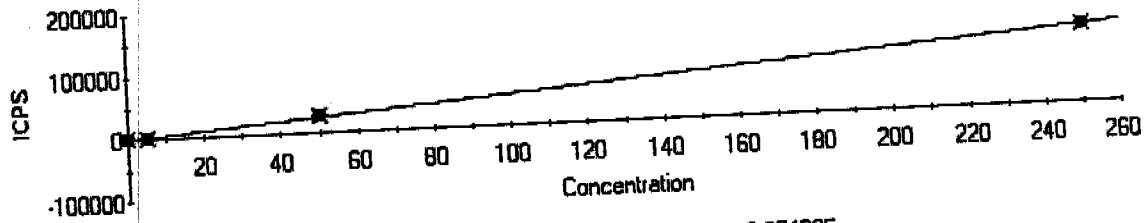


Intercept CPS=-3749.421419 Intercept Conc=-1.702585
Sensitivity=2202.193773 Correlation Coeff=0.999901

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	3.33	3.333	586.03	0.00
std2	5.00	4.29	0.715	695.53	14.22
std3	50.00	52.50	2.501	11861.16	5.00
std4	250.00	256.41	6.415	60922.38	2.57

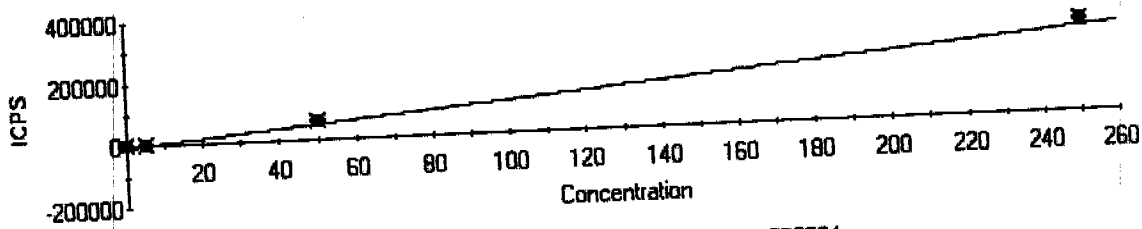
[redacted]



Intercept CPS=-496.695623 Intercept Conc=-0.974235
Sensitivity=509.831629 Correlation Coeff=0.999914

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.02	0.02-	484.92	0.00
std2	5.00	2.89	2.119	75.35	42.25
std3	50.00	51.51	1.512	5765.01	3.02
std4	250.00	248.81	1.191	26354.13	0.48

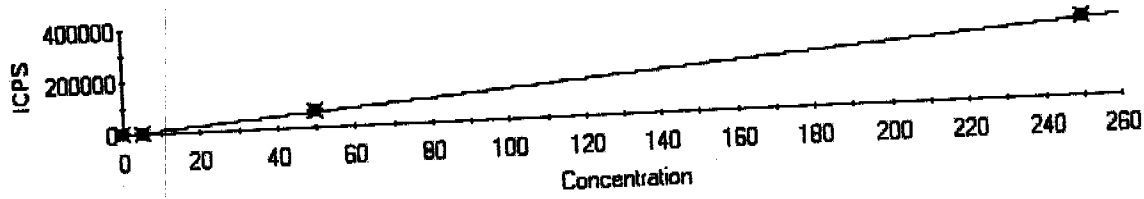
[redacted]



Intercept CPS=-1356.273026 Intercept Conc=-1.208304
Sensitivity=1122.460531 Correlation Coeff=0.999922

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.51	0.51-	784.90	0.00
std2	5.00	3.55	1.452	630.98	28.96
std3	50.00	55.22	5.226	0624.47	10.44
std4	250.00	265.88	15.88	297080.14	6.35

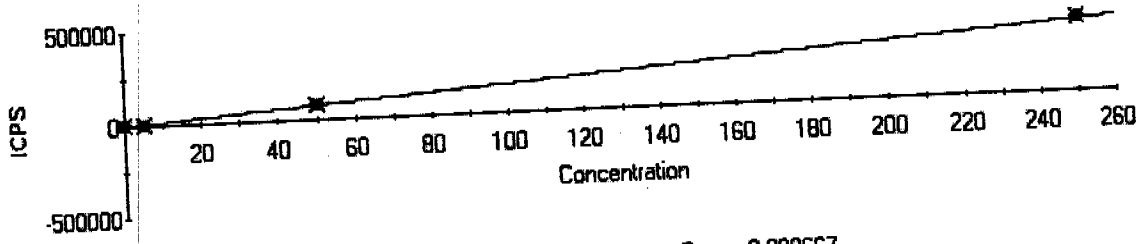
[redacted]



Intercept CPS=45.151252 Intercept Conc=0.038426
Sensitivity=1175.007567 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.04	0.049	6.21	0.00
std2	5.00	3.11	1.893	704.08	37.72
std3	50.00	51.77	1.776	0870.98	3.53
std4	250.00	255.33	5.333	00060.83	2.13

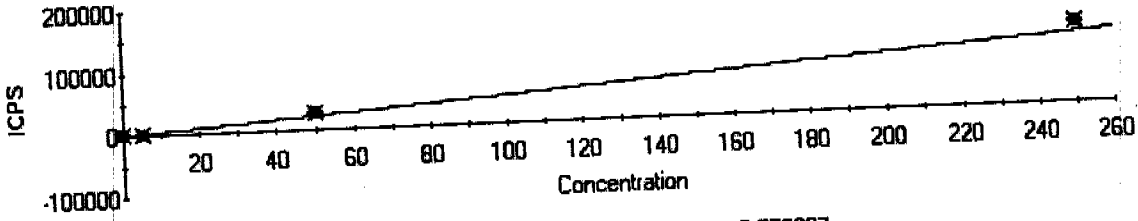
[redacted]



Intercept CPS=-1393.071899 Intercept Conc=-0.889667
Sensitivity=1565.835380 Correlation Coeff=0.999933

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	1.15	1.154	13.51	0.00
std2	5.00	3.98	1.024	846.28	20.31
std3	50.00	52.24	2.248	0404.28	4.48
std4	250.00	250.45	0.453	90774.87	0.18

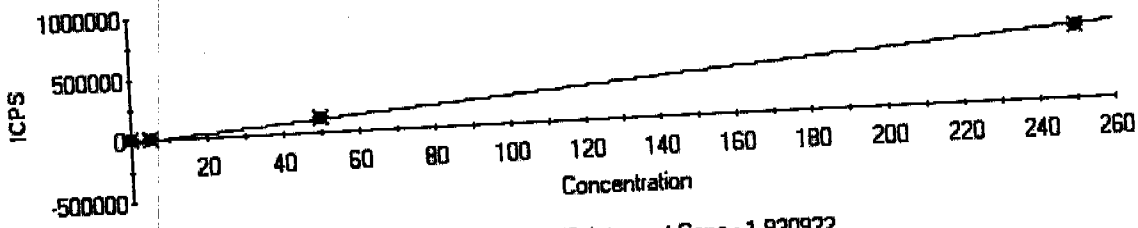
[redacted]



Intercept CPS=-350.290072 Intercept Conc=-0.772387
Sensitivity=453.516224 Correlation Coeff=0.999914

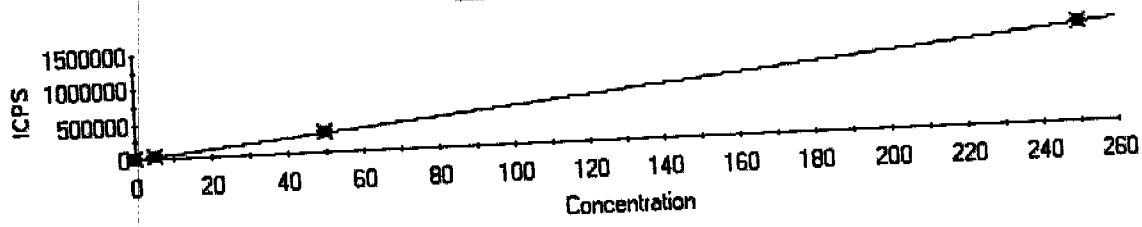
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.83	0.832	8.14	0.00
std2	5.00	4.11	0.891	514.32	17.77
std3	50.00	58.76	8.762	6297.63	17.52
std4	250.00	280.41	30.41	126820.12	12.16

1398



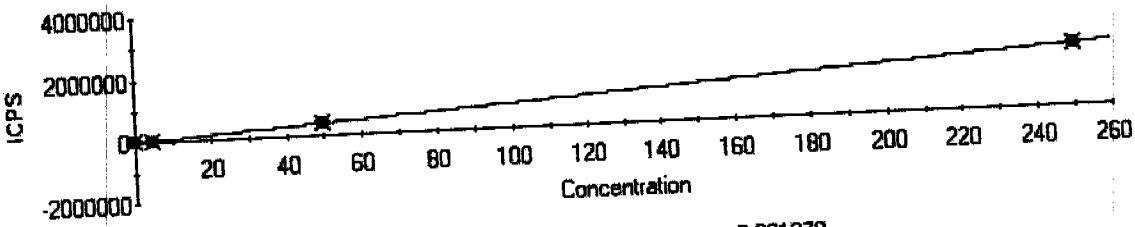
Intercept CPS=-4783.610658 Intercept Conc=-1.930922
Sensitivity=2477.370868 Correlation Coeff=0.999869

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	2.75	2.752	021.25	0.00
std2	5.00	4.99	0.017	586.42	0.14
std3	50.00	52.28	2.281	24740.90	4.57
std4	250.00	240.26	9.745	90440.02	3.89



Intercept CPS=0.000000 Intercept Conc=0.000000
Sensitivity=5665.236902 Correlation Coeff=0.999845

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.86	0.86	4850.64	0.00
std2	5.00	3.24	1.76	18348.11	35.23
std3	50.00	53.12	3.12	300942.00	6.24
std4	250.00	249.41	0.59	1412972.76	0.24



Intercept CPS=-171.799454 Intercept Conc=-0.021370
Sensitivity=8039.294133 Correlation Coeff=0.999852

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.07	0.07	377.93	0.00
std2	5.00	3.02	1.98	24110.66	39.59
std3	50.00	52.38	2.38	420907.27	4.76
std4	250.00	247.04	2.96	1985881.79	1.18

Dilution Corrected Concentrations

std1 2 08/16/2004 10:07:50 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:09:35	100.038%	0.078	0.477	0.265	0.000	-0.268	-1.457	-3.678	1.372	0.000
2	10:11:21	99.706%	0.060	0.511	0.135	0.000	-0.794	-1.808	-3.777	1.343	0.000
3	10:13:06	100.255%	0.046	0.230	0.256	0.000	-1.422	-1.582	-3.407	1.271	0.000
x		100.000%	0.061	0.406	0.219	0.000	-0.828	-1.616	-3.621	1.329	0.000
σ		0.277%	0.016	0.153	0.072	0.000	0.577	0.178	0.192	0.052	0.000
%RSD		0.277	26.400	37.750	33.100	0.000	69.730	10.990	5.291	3.912	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:09:35	-0.806	2.494	-9.522	99.906%	1.247	2.744	1.239	3486.000	0.067	-2.095
2	10:11:21	0.215	-1.341	-10.810	99.609%	1.083	1.869	1.152	3473.000	0.040	-1.873
3	10:13:06	-0.605	-3.232	-12.850	100.485%	1.027	1.821	1.162	3424.000	0.052	-1.936
x		-0.399	-0.693	-11.060	100.000%	1.119	2.145	1.184	3461.000	0.053	-1.968
σ		0.541	2.918	1.676	0.446%	0.114	0.520	0.048	32.520	0.014	0.114
%RSD		135.500	421.200	15.150	0.446	10.220	24.230	4.021	0.940	25.690	5.798

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:09:35	-1.143	0.003	0.872	-0.002	-0.385	-0.030	0.779	0.527	0.130	1.342
2	10:11:21	-2.172	0.003	0.808	0.005	-0.447	-0.053	0.456	0.414	0.640	0.816
3	10:13:06	-2.600	0.001	0.850	0.031	-0.410	-0.023	0.542	0.962	0.316	1.132
x		-1.972	0.002	0.843	0.011	-0.414	-0.035	0.592	0.634	0.362	1.097
σ		0.749	0.001	0.033	0.017	0.031	0.016	0.167	0.290	0.258	0.265
%RSD		37.990	63.180	3.874	154.000	7.547	44.610	28.240	45.650	71.290	24.150

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:09:35	98.504%	0.022	96.323%	3.779	1.078	3.395	-0.004	0.482	95.483%	0.052
2	10:11:21	100.479%	0.030	101.306%	3.718	1.034	3.358	0.032	0.517	101.275%	0.036
3	10:13:06	101.017%	0.042	102.371%	3.582	1.021	3.241	0.041	0.528	103.242%	0.042
x		100.000%	0.031	100.000%	3.693	1.045	3.331	0.023	0.509	100.000%	0.043
σ		1.323%	0.010	3.229%	0.101	0.030	0.080	0.024	0.024	4.034%	0.008
%RSD		1.323	31.450	3.229	2.730	2.872	2.413	101.900	4.753	4.034	18.780

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:09:35	1.178	0.853	97.008%	96.731%	2.944	1.034	0.076	96.701%	0.000	0.000
2	10:11:21	1.177	0.818	100.784%	101.239%	2.716	0.853	0.064	100.541%	0.000	0.000
3	10:13:06	1.106	0.833	102.208%	102.029%	2.580	0.682	0.065	102.759%	0.000	0.000
x		1.154	0.834	100.000%	100.000%	2.747	0.856	0.068	100.000%	0.000	0.000
σ		0.041	0.017	2.688%	2.858%	0.184	0.176	0.007	3.065%	0.000	0.000
%RSD		3.596	2.069	2.688	2.858	6.708	20.540	10.280	3.065	0.000	0.000

std2 08/16/2004 10:15:17 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:17:03	100.377%	3.047	3.115	3.039	0.000	3.175	30.800	27.910	4.973	0.000
2	10:18:48	100.406%	3.037	3.543	3.427	0.000	2.939	29.460	28.300	4.982	0.000
3	10:20:33	102.081%	2.913	3.661	3.140	0.000	1.424	29.760	27.370	4.983	0.000
x		100.955%	2.999	3.440	3.202	0.000	2.513	30.010	27.860	4.979	0.000
σ		0.976%	0.075	0.287	0.201	0.000	0.950	0.702	0.466	0.005	0.000
%RSD		0.966	2.487	8.349	6.291	0.000	37.820	2.338	1.671	0.108	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:17:03	3.204	3.085	-8.560	100.484%	3.934	4.002	4.852	3499.000	3.447	6.264
2	10:18:48	2.647	0.987	-12.560	100.439%	4.096	4.313	4.822	3473.000	3.566	6.443
3	10:20:33	1.898	1.213	-13.340	101.065%	4.125	4.611	4.836	3434.000	3.569	6.443
x		2.583	1.762	-11.490	100.663%	4.052	4.309	4.837	3469.000	3.527	6.384
σ		0.656	1.152	2.565	0.349%	0.103	0.304	0.015	32.970	0.070	0.103
%RSD		25.380	65.390	22.330	0.347	2.538	7.063	0.308	0.950	1.974	1.618

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:17:03	4.724	2.941	4.030	2.798	8.799	9.051	4.359	3.605	3.647	4.041

2	10:18:48	5.165	2.988	4.030	3.087	8.908	9.198	4.285	3.389	3.0334.157	
3	10:20:33	4.919	2.911	4.089	2.655	8.990	9.404	4.047	2.831	2.5623.740	
x		4.936	2.947	4.050	2.847	8.899	9.218	4.230	3.275	3.081	3.979
σ		0.221	0.039	0.034	0.220	0.096	0.177	0.163	0.400	0.544	0.215
%RSD		4.474	1.325	0.840	7.715	1.077	1.923	3.851	12.210	17.660	5.401

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:17:03	98.990%	2.922	98.644%	4.583	1.063	4.306	2.660	3.544	98.263%	3.057
2	10:18:48	100.953%	2.798	102.001%	4.635	0.970	4.313	3.076	3.595	102.885%	3.160
3	10:20:33	101.400%	2.939	103.095%	4.580	1.049	4.248	2.926	3.518	105.524%	3.125
x		100.447%	2.886	101.247%	4.599	1.028	4.289	2.887	3.552	102.224%	3.114
σ		1.282%	0.077	2.319%	0.031	0.050	0.036	0.210	0.039	3.675%	0.052
%RSD		1.276	2.678	2.291	0.676	4.873	0.838	7.283	1.101	3.595	1.673

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:17:03	3.941	4.131	98.197%	98.680%	4.986	3.231	3.061	98.447%	0.0000.000	
2	10:18:48	4.011	4.097	101.298%	101.728%	5.002	3.260	3.009	101.724%	0.0000.000	
3	10:20:33	4.003	4.107	102.407%	102.338%	4.992	3.225	2.992	102.752%	0.0000.000	
x		3.985	4.111	100.634%	100.915%	4.993	3.239	3.020	100.975%	0.000	0.000
σ		0.038	0.017	2.182%	1.960%	0.008	0.019	0.036	2.248%	0.000	0.000
%RSD		0.958	0.423	2.169	1.942	0.166	0.580	1.186	2.226	0.000	0.000

std3 08/16/2004 10:22:45 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:31	102.088%	51.400	50.940	51.950	0.000	50.150	49.900	48.280	53.020	0.000
2	10:26:16	101.543%	52.090	53.240	54.000	0.000	49.960	50.270	48.120	53.190	0.000
3	10:28:01	99.943%	51.830	52.060	54.250	0.000	50.150	51.330	49.050	52.990	0.000
x		101.191%	51.770	52.080	53.400	0.000	50.090	50.500	48.480	53.060	0.000
σ		1.115%	0.351	1.152	1.263	0.000	0.106	0.743	0.497	0.108	0.000
%RSD		1.102	0.678	2.212	2.365	0.000	0.212	1.471	1.026	0.203	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:31	50.640	80.950	53.830	100.077%	51.050	49.070	50.340	3516.000	54.500	51.390
2	10:26:16	51.110	98.160	53.310	99.826%	52.620	48.800	50.420	3527.000	55.520	51.660
3	10:28:01	50.490	84.940	52.030	100.076%	52.110	50.400	50.370	3498.000	54.580	51.200
x		50.750	88.010	53.060	99.993%	51.930	49.420	50.380	3514.000	54.860	51.420
σ		0.321	9.006	0.927	0.145%	0.797	0.857	0.039	14.590	0.568	0.233
%RSD		0.633	10.230	1.747	0.145	1.535	1.735	0.078	0.415	1.036	0.453

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:31	52.210	52.850	54.000	50.010	51.320	52.570	50.750	51.070	52.810	51.060
2	10:26:16	50.870	52.520	54.510	50.270	51.360	52.050	51.160	50.250	50.720	51.070
3	10:28:01	51.450	52.810	53.580	50.240	52.040	52.870	51.450	51.000	50.970	51.790
x		51.510	52.730	54.030	50.180	51.570	52.500	51.120	50.770	51.500	51.310
σ		0.669	0.182	0.467	0.147	0.407	0.414	0.352	0.453	1.144	0.417
%RSD		1.299	0.345	0.864	0.293	0.789	0.789	0.689	0.893	2.222	0.812

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:31	98.942%	51.980	98.673%	51.480	1.170	52.230	51.430	54.920	99.367%	51.690
2	10:26:16	100.402%	51.560	101.646%	51.750	1.192	52.810	52.030	55.440	103.828%	52.020
3	10:28:01	100.415%	51.590	102.134%	51.440	1.355	52.450	51.070	55.300	105.686%	51.600
x		99.920%	51.710	100.818%	51.560	1.239	52.500	51.510	55.220	102.961%	51.770
σ		0.847%	0.234	1.874%	0.170	0.101	0.289	0.484	0.269	3.248%	0.221
%RSD		0.847	0.453	1.858	0.330	8.175	0.550	0.940	0.487	3.154	0.427

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:31	52.080	58.520	98.693%	99.239%	51.920	52.980	52.320	99.348%	0.0000.000	
2	10:26:16	52.680	58.680	101.475%	101.838%	52.590	53.240	52.520	102.504%	0.0000.000	
3	10:28:01	51.950	59.080	102.376%	102.301%	52.350	53.150	52.290	103.700%	0.0000.000	
x		52.240	58.760	100.848%	101.126%	52.280	53.120	52.380	101.851%	0.000	0.000

σ	0.387	0.286	1.920%	1.650%	0.341	0.134	0.122	2.248%	0.000	0.000
%RSD	0.740	0.487	1.904	1.632	0.651	0.252	0.233	2.207	0.000	0.000

std4 08/16/2004 10:30:14 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:31:59	97.851%	M 251.000	246.500	M 256.000	0.000	248.200	243.300	246.700	248.800	0.000
2	10:33:45	97.874%	248.000	M 252.300	M 261.800	0.000	247.700	246.900	249.900	248.700	0.000
3	10:35:30	96.209%	M 250.000	M 259.700	M 265.800	0.000	249.300	248.800	247.000	248.400	0.000
x		97.311%	M 249.700	M 252.800	M 261.200	0.000	248.400	246.400	247.900	248.700	0.000
σ		0.955%	M 1.522	M 6.601	M 4.931	0.000	0.815	2.804	1.760	0.194	0.000
%RSD		0.981	M 0.610	M 2.611	M 1.888	0.000	0.328	1.138	0.710	0.078	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:31:59	248.700	430.000	325.600	97.930%	M 250.900	249.400	237.800	5109.000	M 261.300	248.000
2	10:33:45	249.500	425.900	335.500	96.709%	M 252.500	M 255.300	238.700	5240.000	M 265.000	249.100
3	10:35:30	250.900	443.700	328.000	95.922%	M 250.600	M 254.300	238.900	5349.000	M 265.000	248.100
x		249.700	433.200	329.700	96.854%	M 251.300	M 253.000	238.500	5233.000	M 263.800	248.400
σ		1.092	9.324	5.175	1.012%	M 1.060	M 3.139	0.577	120.100	M 2.119	0.591
%RSD		0.437	2.152	1.569	1.045	M 0.422	M 1.241	0.242	2.295	M 0.803	0.238

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:31:59	253.200	M 252.800	M 258.100	239.900	244.600	250.000	246.200	245.400	M 250.800	M 250.300
2	10:33:45	255.500	M 253.900	M 257.000	241.700	244.800	249.600	248.800	249.400	249.300	249.200
3	10:35:30	252.400	M 253.600	M 258.500	246.100	245.900	249.700	248.200	244.600	249.700	249.600
x		253.700	M 253.400	M 257.800	242.600	245.100	249.800	247.700	246.500	M 249.900	M 249.700
σ		1.564	M 0.571	M 0.784	3.196	0.687	0.200	1.359	2.560	M 0.797	M 0.538
%RSD		0.616	M 0.225	M 0.304	1.317	0.280	0.080	0.549	1.038	M 0.319	M 0.216

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:31:59	97.918%	M 252.500	97.900%	248.200	2.325	M 255.400	246.600	M 263.800	97.871%	M 254.300
2	10:33:45	97.598%	M 256.800	99.472%	249.500	2.387	M 257.600	249.800	M 266.500	102.244%	M 255.600
3	10:35:30	97.205%	M 253.700	98.764%	248.500	2.572	M 256.200	M 250.000	M 267.400	102.176%	M 256.000
x		97.574%	M 254.300	98.712%	248.700	2.428	M 256.400	M 248.800	M 265.900	100.764%	M 255.300
σ		0.357%	M 2.253	0.787%	0.710	0.128	M 1.129	M 1.887	M 1.880	2.505%	M 0.894
%RSD		0.366	M 0.886	0.797	0.286	5.282	M 0.441	M 0.759	M 0.707	2.486	M 0.350

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:31:59	M 250.700	M 281.400	98.650%	98.741%	237.800	246.100	245.200	101.021%	0.000	0.000
2	10:33:45	M 250.400	M 279.800	100.637%	100.605%	241.000	M 250.100	247.600	102.888%	0.000	0.000
3	10:35:30	M 250.300	M 280.000	99.903%	99.905%	242.000	M 252.100	248.400	102.435%	0.000	0.000
x		M 250.500	M 280.400	99.730%	99.751%	240.300	M 249.400	247.000	102.115%	0.000	0.000
σ		M 0.204	M 0.900	1.005%	0.942%	2.226	M 3.027	1.674	0.974%	0.000	0.000
%RSD		M 0.081	M 0.321	1.008	0.944	0.927	M 1.214	0.678	0.953	0.000	0.000

std5 08/16/2004 10:37:42 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:39:27	92.364%	0.174	8.492	7.264	0.000	M 10070.000	9869.000	9944.000	9528.000	0.000
2	10:41:12	92.635%	0.069	5.137	4.897	0.000	M 10050.000	9919.000	9927.000	9567.000	0.000
3	10:42:57	92.399%	0.079	3.563	3.568	0.000	M 10170.000	9994.000	M 10060.000	9678.000	0.000
x		92.466%	0.107	5.731	5.243	0.000	M 10100.000	9928.000	M 9976.000	9591.000	0.000
σ		0.148%	0.058	2.517	1.872	0.000	M 63.600	62.730	M 70.090	77.780	0.000
%RSD		0.160	53.680	43.920	35.710	0.000	M 0.630	0.632	M 0.703	0.811	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:39:27	9552.000	M 10000.000	9333.000	94.173%	1.265	0.809	6.274	3664.000	0.904	9753.000
2	10:41:12	9615.000	9989.000	9320.000	96.668%	1.222	1.655	2.724	3399.000	0.527	9757.000
3	10:42:57	9772.000	9973.000	9470.000	95.248%	1.204	2.996	2.181	3359.000	0.519	9844.000
x		9646.000	M 9988.000	9374.000	95.363%	1.230	1.820	3.726	3474.000	0.650	9784.000
		113.500	M 14.790	82.940	1.252%	0.032	1.103	2.223	165.600	0.220	51.550

σ		1.177	0.148	0.885	1.312	2.561	60.580	59.660	4.767	33.890	0.527
%RSD											
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:39:27	9714.000	0.144	4.719	3.605	3.256	3.675	0.997	0.254	1.108	1.239
2	10:41:12	9691.000	0.040	1.584	0.876	2.292	2.648	0.851	0.170	0.396	0.700
3	10:42:57	9820.000	0.023	1.256	0.325	2.510	2.908	0.928	0.167	0.606	1.150
x		9742.000	0.069	2.520	1.602	2.686	3.077	0.925	0.197	0.703	1.030
σ		69.090	0.066	1.912	1.757	0.506	0.534	0.073	0.049	0.366	0.289
%RSD		0.709	94.660	75.870	109.600	18.820	17.340	7.921	25.130	52.020	28.060
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:39:27	94.208%	1.607	93.938%	3.171	1.182	2.816	0.008	0.549	95.153%	0.299
2	10:41:12	96.392%	0.935	97.066%	2.938	1.148	2.538	-0.018	0.505	101.320%	0.143
3	10:42:57	96.845%	0.716	97.018%	2.831	1.037	2.431	0.076	0.584	102.282%	0.145
x		95.815%	1.086	96.007%	2.980	1.122	2.595	0.022	0.546	99.585%	0.196
σ		1.410%	0.464	1.792%	0.174	0.076	0.199	0.048	0.040	3.869%	0.090
%RSD		1.472	42.740	1.867	5.846	6.759	7.664	217.700	7.277	3.885	45.810
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:39:27	1.374	1.005	96.376%	96.732%	2.809	0.918	0.201	95.804%	0.000	0.000
2	10:41:12	1.217	0.891	99.853%	99.489%	2.493	0.592	0.121	99.823%	0.000	0.000
3	10:42:57	1.204	0.896	100.539%	100.543%	2.358	0.475	0.113	100.506%	0.000	0.000
x		1.265	0.931	98.923%	98.921%	2.553	0.661	0.145	98.711%	0.000	0.000
σ		0.094	0.064	2.232%	1.968%	0.232	0.229	0.048	2.541%	0.000	0.000
%RSD		7.461	6.917	2.257	1.989	9.069	34.690	33.420	2.574	0.000	0.000

icv 08/16/2004 10:45:10 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:55	92.118%	125.100	148.700	152.500	0.000	5206.000	4931.000	5056.000	5028.000	0.000
2	10:48:41	92.482%	125.600	153.300	154.600	0.000	5195.000	4997.000	5013.000	5009.000	0.000
3	10:50:26	92.405%	124.500	156.500	157.600	0.000	5252.000	4955.000	5093.000	5054.000	0.000
x		92.335%	125.100	152.800	154.900	0.000	5218.000	4961.000	5054.000	5030.000	0.000
σ		0.192%	0.520	3.923	2.570	0.000	30.200	33.800	39.870	22.580	0.000
%RSD		0.208	0.416	2.567	1.659	0.000	0.579	0.681	0.789	0.449	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:55	4991.000	5342.000	4982.000	95.386%	124.600	114.400	118.100	3516.000	130.100	4977.000
2	10:48:41	4990.000	5257.000	4926.000	96.325%	121.500	113.400	117.500	3500.000	129.200	4965.000
3	10:50:26	5041.000	5291.000	4974.000	96.297%	125.500	114.000	118.000	3484.000	130.500	5001.000
x		5007.000	5297.000	4960.000	96.002%	123.900	113.900	117.800	3500.000	129.900	4981.000
σ		28.790	42.890	30.450	0.534%	2.070	0.502	0.347	16.310	0.666	18.520
%RSD		0.575	0.810	0.614	0.557	1.671	0.440	0.295	0.466	0.513	0.372
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:55	5022.000	123.900	126.100	119.500	123.300	126.100	121.600	121.600	122.600	123.000
2	10:48:41	4987.000	123.700	126.000	116.700	123.600	125.500	120.800	121.300	124.300	123.200
3	10:50:26	5024.000	124.200	126.500	118.100	124.300	126.300	121.300	120.800	124.200	122.900
x		5011.000	123.900	126.200	118.100	123.700	126.000	121.200	121.200	123.700	123.000
σ		21.030	0.228	0.247	1.404	0.506	0.433	0.435	0.402	0.937	0.173
%RSD		0.420	0.184	0.195	1.189	0.409	0.343	0.359	0.332	0.758	0.140
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:55	96.672%	123.300	96.263%	118.900	1.945	122.100	121.400	129.000	97.162%	125.600
2	10:48:41	97.630%	124.600	98.623%	117.500	1.738	121.300	121.900	130.500	102.734%	125.400
3	10:50:26	98.082%	126.700	98.460%	119.100	1.864	121.500	121.800	130.700	104.052%	125.300
x		97.461%	124.900	97.782%	118.500	1.849	121.600	121.700	130.100	101.316%	125.400
σ		0.720%	1.749	1.318%	0.908	0.104	0.383	0.260	0.923	3.657%	0.143
%RSD		0.739	1.401	1.348	0.766	5.635	0.315	0.213	0.710	3.610	0.114
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:55	127.000	138.100	98.101%	97.880%	118.700	122.700	123.700	98.779%	0.000	0.000
2	10:48:41	125.700	137.300	100.983%	100.432%	119.900	123.700	123.400	101.700%	0.000	0.000
3	10:50:26	125.900	137.300	101.735%	101.627%	120.500	124.100	123.700	103.142%	0.000	0.000
x		126.200	137.600	100.273%	99.980%	119.700	123.500	123.600	101.207%	0.000	0.000
σ		0.710	0.432	1.918%	1.914%	0.908	0.758	0.158	2.223%	0.000	0.000
%RSD		0.563	0.314	1.913	1.914	0.758	0.614	0.128	2.197	0.000	0.000

lcb 08/16/2004 11:12:08 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:13:53	100.545%	0.023	0.961	0.486	0.000	-7.538	-1.112	-2.777	2.011	0.000
2	11:15:39	99.248%	0.023	0.520	0.379	0.000	-6.931	-0.838	-3.282	1.871	0.000
3	11:17:24	100.912%	0.036	0.423	0.515	0.000	-8.908	-1.612	-3.538	1.803	0.000
x		100.235%	0.027	0.635	0.460	0.000	-7.792	-1.187	-3.199	1.895	0.000
σ		0.874%	0.008	0.286	0.071	0.000	1.013	0.393	0.387	0.106	0.000
%RSD		0.872	28.220	45.120	15.530	0.000	12.990	33.080	12.110	5.580	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:13:53	-1.232	-1.165	-22.870	100.728%	1.122	0.721	1.841	3575.000	0.085	7.122
2	11:15:39	-1.045	-6.412	-23.120	100.740%	1.109	0.657	1.634	3566.000	0.076	6.635
3	11:17:24	-1.610	-5.492	-24.800	101.830%	1.073	1.845	1.481	3500.000	0.084	5.664
x		-1.296	-4.356	-23.600	101.099%	1.102	1.074	1.652	3547.000	0.081	6.474
σ		0.288	2.802	1.052	0.633%	0.025	0.668	0.181	40.930	0.005	0.743
%RSD		22.230	64.310	4.456	0.626	2.294	62.210	10.920	1.154	5.659	11.470

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:13:53	1.411	0.017	0.923	0.061	1.021	1.414	0.352	0.514	0.598	1.133
2	11:15:39	-0.850	0.010	0.820	-0.061	1.137	1.497	0.378	0.576	0.715	1.044
3	11:17:24	-1.205	0.017	0.758	0.053	1.239	1.652	0.169	0.328	0.516	0.957
x		-0.215	0.014	0.834	0.018	1.132	1.521	0.300	0.473	0.610	1.045
σ		1.419	0.004	0.083	0.068	0.109	0.121	0.114	0.129	0.100	0.088
%RSD		661.100	27.790	9.968	386.700	9.624	7.947	38.070	27.300	16.380	8.408

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:13:53	100.850%	0.146	101.149%	2.540	1.104	2.153	-0.043	0.470	100.566%	0.061
2	11:15:39	101.223%	0.130	103.798%	2.544	1.121	2.165	-0.031	0.464	105.973%	0.075
3	11:17:24	102.469%	0.104	103.989%	2.525	1.057	2.152	0.026	0.517	108.126%	0.065
x		101.514%	0.127	102.979%	2.536	1.094	2.157	-0.016	0.484	104.888%	0.067
σ		0.848%	0.021	1.587%	0.010	0.033	0.007	0.037	0.029	3.895%	0.007
%RSD		0.835	16.910	1.541	0.408	3.025	0.330	231.600	5.977	3.713	10.530

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:13:53	1.013	0.827	100.701%	100.841%	2.105	0.181	0.070	102.146%	0.000	0.000
2	11:15:39	0.994	0.846	102.764%	102.991%	2.097	0.167	0.068	103.763%	0.000	0.000
3	11:17:24	0.994	0.860	103.941%	103.771%	2.082	0.156	0.067	105.231%	0.000	0.000
x		1.000	0.844	102.469%	102.535%	2.095	0.168	0.069	103.714%	0.000	0.000
σ		0.011	0.016	1.640%	1.517%	0.012	0.012	0.002	1.543%	0.000	0.000
%RSD		1.089	1.940	1.601	1.480	0.572	7.433	2.355	1.488	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:21:22	93.414%	129.300	147.900	152.300	0.000	5346.000	5018.000	5152.000	5130.000	0.000
2	11:23:07	92.339%	131.000	154.300	156.500	0.000	5428.000	5234.000	5245.000	5215.000	0.000
3	11:24:53	92.561%	129.900	149.900	156.300	0.000	5436.000	5253.000	5251.000	5235.000	0.000
x		92.771%	130.000	150.700	155.000	0.000	5404.000	5168.000	5216.000	5193.000	0.000
σ		0.567%	0.892	3.296	2.365	0.000	49.790	130.200	55.930	56.010	0.000
%RSD		0.612	0.686	2.187	1.526	0.000	0.922	2.520	1.072	1.079	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

1	11:21:22	5118.000	5405.000	5071.000	95.565%	127.100	116.400	121.900	3640.000	133.800	5154.000
2	11:23:07	5227.000	5478.000	5167.000	95.139%	130.200	118.300	123.800	3625.000	135.400	5211.000
3	11:24:53	5226.000	5506.000	5154.000	95.886%	126.500	118.000	122.900	3584.000	135.200	5211.000
x		5190.000	5463.000	5131.000	95.530%	127.900	117.600	122.900	3616.000	134.800	5192.000
σ		62.770	52.000	52.220	0.375%	1.980	1.006	0.932	28.890	0.849	33.130
%RSD		1.209	0.952	1.018	0.392	1.548	0.856	0.759	0.799	0.630	0.638

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:21:22	5185.000	128.500	131.300	121.100	123.700	125.100	125.200	124.600	128.600	127.900
2	11:23:07	5195.000	128.900	131.300	124.400	124.300	125.800	125.200	126.300	126.700	127.600
3	11:24:53	5210.000	129.400	130.300	122.800	124.000	125.800	126.800	124.600	126.300	127.100
x		5197.000	129.000	131.000	122.800	124.000	125.600	125.700	125.100	127.200	127.600
σ		12.150	0.421	0.563	1.658	0.303	0.387	0.918	0.986	1.225	0.398
%RSD		0.234	0.327	0.430	1.351	0.245	0.308	0.730	0.788	0.964	0.312

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:21:22	95.244%	129.100	95.514%	121.600	1.821	125.200	125.400	134.600	96.080%	129.600
2	11:23:07	97.125%	129.800	98.109%	122.300	2.009	126.200	126.500	135.200	101.770%	129.200
3	11:24:53	96.798%	132.000	97.929%	123.200	1.965	126.000	125.800	135.400	102.431%	129.900
x		96.389%	130.300	97.184%	122.400	1.932	125.800	125.900	135.000	100.093%	129.600
σ		1.005%	1.507	1.449%	0.793	0.098	0.546	0.591	0.421	3.491%	0.353
%RSD		1.043	1.156	1.491	0.648	5.095	0.434	0.470	0.312	3.488	0.273

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:21:22	130.600	141.600	96.988%	97.470%	120.900	125.100	127.000	98.484%	0.000	0.000
2	11:23:07	129.900	143.500	99.571%	100.300%	123.000	127.000	127.500	101.127%	0.000	0.000
3	11:24:53	130.400	142.500	99.633%	100.255%	123.400	127.900	128.300	101.622%	0.000	0.000
x		130.300	142.500	98.731%	99.342%	122.500	126.700	127.600	100.411%	0.000	0.000
σ		0.341	0.949	1.510%	1.621%	1.328	1.438	0.619	1.687%	0.000	0.000
%RSD		0.262	0.666	1.529	1.632	1.085	1.135	0.485	1.680	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:39	95.484%	0.082	1.742	1.580	0.000	-5.572	-0.316	-2.889	2.791	0.000
2	11:33:24	96.648%	0.028	1.913	1.250	0.000	-6.855	-0.645	-2.969	1.885	0.000
3	11:35:10	96.757%	0.057	1.858	0.709	0.000	-7.063	-1.007	-3.054	1.727	0.000
x		96.296%	0.056	1.838	1.180	0.000	-6.497	-0.656	-2.971	2.134	0.000
σ		0.705%	0.027	0.087	0.440	0.000	0.808	0.345	0.083	0.575	0.000
%RSD		0.733	47.800	4.740	37.300	0.000	12.430	52.670	2.780	26.920	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:39	0.220	-6.052	-22.710	97.544%1.205		1.060	2.151	3007.000	0.118	7.475
2	11:33:24	0.132	-5.824	-25.270	98.680%1.119		3.023	1.962	2876.000	0.102	6.997
3	11:35:10	-0.496	-3.358	-26.330	98.966%1.091		2.627	2.021	2860.000	0.096	7.005
x		-0.048	-5.078	-24.770	98.397%	1.138	2.237	2.045	2914.000	0.105	7.159
σ		0.391	1.494	1.863	0.752%	0.060	1.038	0.097	80.790	0.012	0.274
%RSD		816.300	29.420	7.520	0.764	5.242	46.400	4.736	2.772	11.020	3.823

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:39	3.909	0.047	1.188	0.250	-0.361	0.014	0.210	0.263	0.339	1.204
2	11:33:24	2.359	0.035	1.184	0.179	-0.387	0.002	0.087	0.347	0.294	0.975
3	11:35:10	2.084	0.035	1.044	0.142	-0.411	0.006	0.080	0.504	0.176	0.859
x		2.784	0.039	1.138	0.190	-0.386	0.007	0.125	0.371	0.270	1.013
σ		0.984	0.007	0.082	0.055	0.025	0.006	0.073	0.122	0.084	0.176
%RSD		35.350	18.340	7.171	29.020	6.522	80.180	58.300	32.920	31.240	17.330

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:39	96.630%	0.359	96.462%	2.341	1.180	1.953	-0.084	0.448	95.813%	0.082
2	11:33:24	97.938%	0.298	99.734%	2.302	0.977	1.958	0.110	0.600	100.533%	0.060
3	11:35:10	99.667%	0.219	100.391%	2.310	1.068	1.943	0.024	0.535	103.361%	0.0

X		98.078%	0.292	98.863%	2.318	1.075	1.951	0.017	0.527	99.903%	0.068
σ		1.523%	0.071	2.105%	0.021	0.101	0.008	0.097	0.076	3.813%	0.012
%RSD		1.553	24.180	2.129	0.889	9.432	0.390	585.600	14.460	3.817	18.090

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:31:39	1.017	0.864	96.657%	96.741%2.364		0.479	0.096	96.627%	0.000	0.000
2	11:33:24	1.009	0.847	99.268%	99.194%2.298		0.390	0.087	100.228%	0.000	0.000
3	11:35:10	1.001	0.833	100.106%	100.553%	2.229	0.330	0.080	101.421%	0.000	0.000
X		1.009	0.848	98.677%	98.829%	2.297	0.400	0.088	99.425%	0.000	0.000
σ		0.008	0.015	1.799%	1.932%	0.068	0.075	0.008	2.496%	0.000	0.000
%RSD		0.797	1.826	1.823	1.955	2.941	18.740	9.356	2.510	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:09	97.049%	0.525	5.493	4.722	0.000	273.100	271.700	267.500	50.220	0.000
2	11:40:55	97.297%	0.523	5.001	4.932	0.000	274.100	268.900	272.500	50.270	0.000
3	11:42:40	98.089%	0.537	4.938	5.161	0.000	271.500	269.000	269.900	49.930	0.000
X		97.478%	0.528	5.144	4.938	0.000	272.900	269.900	270.000	50.140	0.000
σ		0.543%	0.008	0.304	0.220	0.000	1.306	1.597	2.514	0.184	0.000
%RSD		0.557	1.493	5.905	4.444	0.000	0.479	0.592	0.931	0.367	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:09	271.800	290.200	248.200	98.964%	2.005	4.664	5.216	2877.000	0.594	57.230
2	11:40:55	273.700	284.800	245.500	99.737%	2.038	5.835	5.143	2783.000	0.584	56.960
3	11:42:40	270.900	282.600	249.300	100.812%	1.918	6.385	5.013	2743.000	0.588	56.720
X		272.100	285.900	247.700	99.838%	1.987	5.628	5.124	2801.000	0.588	56.970
σ		1.457	3.929	1.945	0.928%	0.062	0.879	0.103	68.770	0.005	0.257
%RSD		0.535	1.374	0.785	0.930	3.129	15.610	2.001	2.455	0.853	0.451

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:09	55.060	0.508	5.104	4.433	8.366	9.137	4.549	1.085	4.172	4.748
2	11:40:55	53.460	0.515	5.235	4.222	8.528	8.866	4.637	1.283	4.823	4.564
3	11:42:40	51.930	0.507	5.072	4.387	8.527	8.956	4.940	1.462	4.610	4.557
X		53.480	0.510	5.137	4.347	8.474	8.986	4.709	1.277	4.535	4.623
σ		1.568	0.004	0.087	0.111	0.093	0.138	0.205	0.189	0.332	0.109
%RSD		2.931	0.826	1.685	2.543	1.102	1.539	4.360	14.780	7.316	2.348

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd11	5In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:09	97.779%	1.104	98.702%	5.443	1.069	5.231	1.004	1.556	98.012%	1.522
2	11:40:55	99.516%	1.146	101.329%	5.450	1.085	5.277	0.922	1.582	103.069%	1.487
3	11:42:40	100.384%	1.192	101.946%	5.542	0.989	5.259	1.166	1.581	105.022%	1.426
X		99.226%	1.147	100.659%	5.478	1.047	5.256	1.031	1.573	102.034%	1.478
σ		1.326%	0.044	1.723%	0.055	0.051	0.023	0.124	0.015	3.618%	0.048
%RSD		1.337	3.864	1.711	1.011	4.912	0.433	12.020	0.925	3.545	3.279

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:09	1.477	1.993	97.070%	97.318%	2.615	0.726	0.597	97.670%	0.000	0.000
2	11:40:55	1.431	1.949	100.407%	100.317%	2.584	0.722	0.615	100.885%	0.000	0.000
3	11:42:40	1.407	1.957	101.337%	101.231%	2.622	0.703	0.603	102.697%	0.000	0.000
X		1.438	1.966	99.605%	99.622%	2.607	0.717	0.605	100.417%	0.000	0.000
σ		0.036	0.023	2.244%	2.047%	0.020	0.012	0.010	2.546%	0.000	0.000
%RSD		2.476	1.191	2.253	2.054	0.770	1.683	1.580	2.535	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:08	86.300%	0.053	0.696	0.717	0.000	M 104700.000	M 101100.000	M 101600.000	M 100300.000
2	11:56:54	85.280%	0.043	1.011	0.496	0.000	M 105700.000	M 101900.000	M 102100.000	M 101600.000
3	11:58:39	85.224%	0.016	1.289	0.683	0.000	M 106600.000	M 101900.000	M 102100.000	M 101000.000
		85.601%	0.037	0.999	0.632	0.000	M 105700.000	M 101600.000	M 102000.000	M 101000.000

X							M929.600	M461.300	M279.000	M672.300
σ		0.606%	0.019	0.297	0.119	0.000	M0.880	M0.454	M0.274	M0.666
%RSD		0.707	51.120	29.710	18.800	0.000				
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:08	M99050.000	M102400.000	M104700.000	91.240%	M2147.000	2.024	4.422	3559.000	0.529
2	11:56:54	M100900.000	M103500.000	M105600.000	91.137%	M2168.000	1.117	4.385	3521.000	0.454
3	11:58:39	M99940.000	M102400.000	M105500.000	91.911%	M2169.000	2.079	4.409	3398.000	0.482
X		M99970.000	M102800.000	M105300.000	91.429%	M2162.000	1.740	4.405	3493.000	0.488
σ		M931.300	M656.200	M521.300	0.420%	M12.270	0.540	0.019	83.920	0.038
%RSD		M0.932	M0.639	M0.495	0.460	M0.568	31.070	0.429	2.403	7.719
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:08	M101700.000	0.136	2.322	7.659	3.168	2.900	3.259	0.597	1.733
2	11:56:54	M101900.000	0.091	2.195	8.051	2.746	2.680	3.099	0.335	1.148
3	11:58:39	M102000.000	0.116	2.316	7.426	3.375	3.167	2.851	0.231	0.911
X		M101800.000	0.115	2.277	7.712	3.097	2.916	3.070	0.388	1.264
σ		M154.900	0.022	0.072	0.316	0.321	0.244	0.205	0.189	0.423
%RSD		M0.152	19.600	3.156	4.100	10.350	8.360	6.688	48.600	33.490
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:08	92.407%	M2233.000	88.737%	2.527	4.003	2.165	0.575	0.875	91.749%
2	11:56:54	93.685%	M2239.000	91.381%	2.562	4.022	2.175	0.546	0.997	96.526%
3	11:58:39	93.341%	M2255.000	92.150%	2.522	3.701	2.160	0.849	1.116	98.426%
X		93.144%	M2242.000	90.756%	2.537	3.908	2.167	0.657	0.996	95.567%
σ		0.661%	M11.470	1.791%	0.021	0.180	0.008	0.167	0.120	3.440%
%RSD		0.710	M0.512	1.973	0.842	4.598	0.368	25.490	12.080	3.600
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:08	2.411	1.154	94.538%	95.276%	2.136	0.219	1.094	92.360%	0.000
2	11:56:54	2.523	1.156	97.800%	98.148%	2.119	0.199	1.092	95.726%	0.000
3	11:58:39	2.489	1.199	98.011%	98.393%	2.129	0.194	1.100	96.605%	0.000
X		2.475	1.169	96.783%	97.272%	2.128	0.204	1.095	94.897%	0.000
σ		0.057	0.026	1.947%	1.733%	0.009	0.013	0.004	2.240%	0.000
%RSD		2.313	2.183	2.011	1.782	0.416	6.460	0.373	2.361	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:39	83.700%	0.044	1.075	0.887	0.000	M107800.000	M104000.000	M104200.000	M103500.000
2	12:05:24	85.799%	0.048	0.850	0.824	0.000	M107600.000	M103100.000	M103200.000	M102400.000
3	12:07:10	85.879%	0.053	0.714	0.724	0.000	M107600.000	M103600.000	M104000.000	M103300.000
X		85.126%	0.048	0.880	0.812	0.000	M107600.000	M103600.000	M103800.000	M103100.000
σ		1.236%	0.005	0.183	0.082	0.000	M107.000	M450.000	M506.700	M583.400
%RSD		1.451	9.989	20.750	10.120	0.000	M0.099	M0.435	M0.488	M0.566
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:39	M101500.000	M104500.000	M106800.000	90.425%	M2200.000	2.075	23.990	3438.000	22.500
2	12:05:24	M101500.000	M103800.000	M106900.000	91.814%	M2186.000	1.845	23.760	3316.000	22.560
3	12:07:10	M102600.000	M105300.000	M108200.000	90.407%	M2212.000	2.125	24.170	3242.000	22.880
X		M101900.000	M104600.000	M107300.000	90.882%	M2199.000	2.015	23.970	3332.000	22.650
σ		M608.500	M758.600	M784.700	0.807%	M12.630	0.149	0.209	99.320	0.205
%RSD		M0.597	M0.726	M0.731	0.888	M0.574	7.406	0.871	2.981	0.905
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:39	M104200.000	20.800	22.510	27.140	21.170	20.570	22.240	20.060	0.958
2	12:05:24	M103600.000	20.700	22.730	27.050	20.860	20.810	22.660	19.850	1.900
3	12:07:10	M106000.000	20.940	22.730	27.160	21.300	21.180	22.520	20.440	1.933
X		M104600.000	20.810	22.660	27.110	21.110	20.850	22.470	20.120	1.597
σ		M1240.000	0.122	0.130	0.058	0.229	0.304	0.215	0.296	0.553
%RSD		M1.186	0.585	0.572	0.213	1.083	1.457	0.958	1.471	34.650

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:39	91.066%	M 2302.000	87.448%	21.350	4.124	21.590	20.770	22.230	90.552%
2	12:05:24	93.802%	M 2288.000	92.175%	21.630	4.046	21.750	20.830	22.240	96.591%
3	12:07:10	93.911%	M 2310.000	91.467%	21.880	3.862	21.850	21.030	22.680	98.174%
X		92.927%	M 2300.000	90.363%	21.620	4.011	21.730	20.880	22.390	95.106%
σ		1.612%	M 10.830	2.550%	0.263	0.135	0.132	0.140	0.257	4.022%
%RSD		1.735	M 0.471	2.822	1.218	3.361	0.609	0.673	1.150	4.229

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:39	2.598	1.186	94.081%	94.554%	2.100	0.183	1.104	91.890%	0.000
2	12:05:24	2.758	1.148	98.286%	99.131%	2.095	0.180	1.124	96.504%	0.000
3	12:07:10	2.747	1.171	99.632%	99.599%	2.100	0.174	1.134	96.929%	0.000
X		2.701	1.168	97.333%	97.762%	2.098	0.179	1.121	95.108%	0.000
σ		0.090	0.019	2.895%	2.787%	0.003	0.004	0.015	2.795%	0.000
%RSD		3.317	1.628	2.975	2.851	0.152	2.499	1.380	2.939	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:12:07	86.166%	132.500	149.500	154.300	0.000	5460.000	5203.000	5292.000	5290.000	0.000
2	12:13:52	87.418%	130.800	147.000	157.700	0.000	5476.000	5167.000	5303.000	5261.000	0.000
3	12:15:38	85.742%	132.900	156.800	161.800	0.000	5538.000	5225.000	5361.000	5320.000	0.000
X		86.442%	132.100	151.100	157.900	0.000	5491.000	5198.000	5319.000	5291.000	0.000
σ		0.871%	1.128	5.053	3.757	0.000	41.150	29.260	37.580	29.740	0.000
%RSD		1.008	0.854	3.344	2.379	0.000	0.749	0.563	0.707	0.562	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:12:07	5176.000	5514.000	5196.000	92.681%	129.900	118.500	123.400	3184.000	135.400	5226.000
2	12:13:52	5167.000	5533.000	5194.000	93.426%	128.000	119.400	124.400	3066.000	136.300	5245.000
3	12:15:38	5226.000	5550.000	5221.000	92.619%	128.300	120.200	124.800	3092.000	137.300	5279.000
X		5190.000	5533.000	5204.000	92.908%	128.700	119.400	124.200	3114.000	136.300	5250.000
σ		32.200	18.190	15.420	0.449%	1.010	0.827	0.722	62.140	0.910	26.930
%RSD		0.621	0.329	0.296	0.483	0.785	0.693	0.581	1.995	0.667	0.513

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:12:07	5328.000	130.300	132.600	125.800	125.800	128.200	126.600	126.200	131.700	129.300
2	12:13:52	5316.000	131.200	132.800	124.600	125.300	127.000	127.500	127.400	131.600	130.400
3	12:15:38	5344.000	131.100	133.800	123.200	125.700	128.100	127.800	126.200	132.100	127.500
X		5330.000	130.900	133.100	124.500	125.600	127.800	127.300	126.600	131.800	129.100
σ		13.990	0.517	0.643	1.313	0.264	0.655	0.609	0.725	0.247	1.469
%RSD		0.263	0.395	0.483	1.054	0.210	0.513	0.479	0.572	0.187	1.139

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:12:07	92.863%	137.000	92.257%	122.500	1.547	125.100	125.800	135.300	93.097%	130.400
2	12:13:52	94.848%	135.900	95.629%	125.800	1.554	128.600	129.400	137.800	97.431%	131.500
3	12:15:38	94.398%	134.200	95.920%	124.500	1.572	127.800	129.900	137.500	98.910%	130.600
X		94.036%	135.700	94.602%	124.300	1.558	127.200	128.400	136.900	96.479%	130.800
σ		1.040%	1.385	2.036%	1.664	0.013	1.849	2.219	1.369	3.021%	0.549
%RSD		1.106	1.021	2.152	1.339	0.841	1.454	1.729	1.000	3.132	0.419

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:12:07	131.400	143.000	94.518%	94.739%	122.200	126.300	128.800	94.886%	0.000	0.000
2	12:13:52	132.900	144.100	98.078%	98.455%	123.500	128.000	129.200	99.332%	0.000	0.000
3	12:15:38	132.300	143.400	97.814%	98.810%	124.000	128.400	129.400	99.709%	0.000	0.000
X		132.200	143.500	96.803%	97.335%	123.200	127.600	129.100	97.976%	0.000	0.000
σ		0.780	0.572	1.984%	2.255%	0.898	1.138	0.290	2.682%	0.000	0.000
%RSD		0.590	0.399	2.049	2.316	0.729	0.892	0.225	2.738	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:21:14	86.335%	0.085	2.988	2.491	0.000	0.989	6.409	3.989	9.089	0.000
2	12:22:59	85.165%	0.043	1.885	1.512	0.000-	3.540	0.586	-1.118	3.845	0.000
3	12:24:44	86.113%	0.043	2.422	1.095	0.000-	5.945	-1.219	-3.004	2.134	0.000
x		85.871%	0.057	2.432	1.699	0.000	-2.832	1.925	-0.044	5.023	0.000
σ		0.622%	0.024	0.551	0.716	0.000	3.521	3.986	3.618	3.624	0.000
%RSD		0.724	42.790	22.670	42.160	0.000	124.300	207.000	8151.000	72.150	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:21:14	9.501	4.507	-20.610	90.929%	1.239	2.297	16.050	3223.000	0.581	57.730
2	12:22:59	4.938-	3.970	-24.770	90.425%	1.202	2.649	5.211	3117.000	0.175	13.540
3	12:24:44	3.645-	4.380	-27.010	90.504%	1.111	2.758	2.467	3060.000	0.081	2.347
x		6.028	-1.281	-24.130	90.619%	1.184	2.568	7.909	3134.000	0.279	24.540
σ		3.077	5.017	3.250	0.271%	0.066	0.241	7.182	82.490	0.266	29.280
%RSD		51.040	391.600	13.470	0.299	5.549	9.377	90.800	2.633	95.140	119.300

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:21:14	58.960	0.163	7.282	6.180	1.463	1.797	0.173	0.348	1.950	1.095
2	12:22:59	14.010	0.044	2.302	1.434	-0.089	0.303	0.163	0.363	1.692	1.084
3	12:24:44	4.099	0.013	1.154	0.403	-0.397-	0.040	0.151	0.548	1.430	0.660
x		25.690	0.073	3.579	2.672	0.326	0.687	0.162	0.420	1.691	0.946
σ		29.230	0.079	3.258	3.081	0.997	0.977	0.011	0.112	0.260	0.248
%RSD		113.800	107.700	91.020	115.300	306.200	142.300	6.894	26.600	15.370	26.200

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:21:14	90.384%	2.589	90.221%	2.268	1.100	1.898	-0.003	0.499	90.236%	0.081
2	12:22:59	91.629%	1.702	93.767%	2.239	1.004	1.858	0.068	0.554	94.945%	0.038
3	12:24:44	92.392%	1.368	94.229%	2.223	1.164	1.858	-0.074	0.441	96.487%	0.017
x		91.468%	1.886	92.739%	2.243	1.089	1.871	-0.003	0.498	93.889%	0.045
σ		1.014%	0.631	2.193%	0.023	0.080	0.023	0.071	0.057	3.256%	0.033
%RSD		1.108	33.440	2.364	1.014	7.384	1.216	2374.000	11.400	3.468	72.040

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:21:14	1.044	0.862	91.842%	92.069%	2.518	0.629	0.090	91.409%	0.000	0.000
2	12:22:59	1.032	0.831	94.385%	95.183%	2.352	0.436	0.062	95.106%	0.000	0.000
3	12:24:44	1.010	0.811	96.209%	96.493%	2.258	0.333	0.055	97.025%	0.000	0.000
x		1.028	0.835	94.145%	94.582%	2.376	0.466	0.069	94.513%	0.000	0.000
σ		0.017	0.026	2.193%	2.272%	0.131	0.150	0.018	2.855%	0.000	0.000
%RSD		1.682	3.067	2.330	2.402	5.529	32.250	26.100	3.021	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:23	88.133%	0.031	1.764	1.083	0.000	23.460	51.500	44.990	10.810	0.000
2	12:32:09	89.659%	0.051	2.504	1.281	0.000	15.760	47.230	43.720	9.120	0.000
3	12:33:54	89.224%	0.072	1.682	1.875	0.000	23.640	54.870	51.410	15.420	0.000
x		89.006%	0.051	1.983	1.413	0.000	20.950	51.200	46.710	11.780	0.000
σ		0.786%	0.020	0.453	0.412	0.000	4.501	3.832	4.123	3.260	0.000
%RSD		0.883	39.610	22.840	29.170	0.000	21.480	7.484	8.828	27.670	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:23	9.789	20.220	-11.210	90.275%	2.542	-4.011	5.821	13270.000	1.146	10.040
2	12:32:09	7.365	19.630	-13.390	91.214%	2.340	-5.300	5.497	13060.000	1.061	7.858
3	12:33:54	13.510	35.250	-8.917	91.045%	2.551	-0.015	8.218	12590.000	1.101	24.200
x		10.220	25.040	-11.170	90.845%	2.478	-3.109	6.512	12970.000	1.103	14.030
σ		3.097	8.855	2.239	0.501%	0.119	2.755	1.487	347.800	0.042	8.871
%RSD		30.300	35.370	20.030	0.551	4.814	88.630	22.830	2.681	3.847	63.220

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:23	5.073	0.063	4.218	2.437	1.402	2.118	4.279	1.313	2.692	2.033

2	12:32:09	0.543	0.059	4.451	2.701	2.455	3.299	4.655	0.630	2.933	1.321
3	12:33:54	20.360	0.089	5.209	3.457	7.205	8.055	5.143	0.403	2.682	2.314
x		8.657	0.070	4.626	2.865	3.687	4.490	4.693	0.782	2.769	1.889
σ		10.380	0.017	0.518	0.529	3.091	3.143	0.433	0.474	0.142	0.512
%RSD		119.900	23.800	11.200	18.460	83.840	69.990	9.231	60.610	5.134	27.100

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:23	90.783%	2.171	89.975%	4.601	2.076	3.865	0.072	1.042	89.570%	0.162
2	12:32:09	92.388%	1.852	93.613%	4.628	2.330	3.901	-0.170	0.856	94.978%	0.333
3	12:33:54	93.717%	1.754	94.319%	4.606	2.099	3.838	0.058	1.025	96.530%	0.456
x		92.296%	1.926	92.636%	4.612	2.168	3.868	-0.014	0.974	93.693%	0.317
σ		1.469%	0.218	2.331%	0.015	0.141	0.032	0.136	0.103	3.654%	0.147
%RSD		1.591	11.330	2.516	0.315	6.482	0.821	1002.000	10.570	3.900	46.490

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:30:23	2.549	1.793	92.004%	92.341%	4.301	0.466	0.154	93.845%	0.000	0.000
2	12:32:09	2.622	1.735	95.301%	95.816%	4.240	0.441	0.160	97.578%	0.000	0.000
3	12:33:54	2.705	1.764	96.628%	96.606%	4.257	0.400	0.165	98.642%	0.000	0.000
x		2.626	1.764	94.644%	94.921%	4.266	0.436	0.160	96.688%	0.000	0.000
σ		0.078	0.029	2.381%	2.269%	0.031	0.033	0.006	2.519%	0.000	0.000
%RSD		2.973	1.637	2.515	2.390	0.732	7.608	3.697	2.605	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:31	89.691%	466.500	9.690	9.263	0.000	4803.000	5131.000	5154.000	4549.000	0.000
2	12:41:16	90.217%	458.500	9.504	9.801	0.000	4828.000	5107.000	5144.000	4546.000	0.000
3	12:43:01	89.634%	454.900	9.485	9.048	0.000	4811.000	5100.000	5135.000	4563.000	0.000
x		89.847%	460.000	9.560	9.371	0.000	4814.000	5113.000	5144.000	4552.000	0.000
σ		0.321%	5.928	0.113	0.388	0.000	12.700	16.340	9.535	9.017	0.000
%RSD		0.358	1.289	1.183	4.137	0.000	0.264	0.320	0.185	0.198	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:31	4512.000	5113.000	4913.000	91.993%	461.500	497.800	446.300	14860.000	494.800	5126.000
2	12:41:16	4562.000	5172.000	4953.000	92.100%	466.000	M 507.800	447.000	15440.000	498.900	5191.000
3	12:43:01	4553.000	5337.000	4954.000	91.980%	465.000	M 513.200	443.200	15720.000	493.300	5136.000
x		4542.000	5207.000	4940.000	92.025%	464.200	M 506.300	445.500	15340.000	495.700	5151.000
σ		26.630	116.400	23.390	0.066%	2.344	M 7.829	2.003	440.300	2.909	34.840
%RSD		0.586	2.234	0.474	0.072	0.505	M 1.546	0.450	2.870	0.587	0.676

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:31	5200.000	474.300	480.500	454.400	460.300	466.400	432.500	439.700	434.600	433.100
2	12:41:16	5204.000	474.900	477.400	455.500	457.500	462.700	434.700	438.600	429.600	430.200
3	12:43:01	5179.000	469.200	476.300	447.700	453.900	459.500	431.900	431.100	430.800	423.700
x		5194.000	472.800	478.100	452.600	457.200	462.900	433.000	436.500	431.600	429.000
σ		13.290	3.134	2.173	4.215	3.231	3.437	1.483	4.669	2.607	4.816
%RSD		0.256	0.663	0.455	0.931	0.707	0.743	0.342	1.070	0.604	1.123

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:31	92.607%	467.200	91.814%	182.700	3.966	186.900	450.400	482.200	92.448%	0.377
2	12:41:16	93.566%	468.100	95.236%	186.900	4.205	191.500	458.300	486.100	96.707%	0.389
3	12:43:01	94.082%	468.600	96.019%	184.300	4.275	188.700	453.100	479.500	98.624%	0.405
x		93.418%	468.000	94.356%	184.700	4.148	189.000	453.900	482.600	95.926%	0.390
σ		0.749%	0.688	2.236%	2.124	0.162	2.302	3.981	3.327	3.161%	0.014
%RSD		0.801	0.147	2.370	1.150	3.904	1.218	0.877	0.689	3.296	3.554

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:39:31	468.500	M 524.300	95.791%	96.103%	444.400	460.900	465.800	98.485%	0.000	0.000
2	12:41:16	469.800	M 518.700	98.806%	99.409%	447.700	464.800	464.700	101.616%	0.000	0.000
3	12:43:01	464.400	M 516.800	99.162%	100.048%	446.800	468.000	464.100	101.683%	0.000	0.000
x		467.600	M 520.000	97.920%	98.520%	446.300	464.600	464.900	100.595%	0.000	0.000

σ	2.789	M3.912	1.852%	2.117%	1.665	3.594	0.856	1.827%	0.000	0.000
%RSD	0.597	M0.752	1.892	2.149	0.373	0.774	0.184	1.816	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:48:40	85.890%	52.230	5.061	4.674	0.000	36390.000	28120.000	28320.000	1954.000	0.000
2	12:50:25	86.071%	52.390	7.390	4.041	0.000	36860.000	28140.000	28860.000	1983.000	0.000
3	12:52:10	88.690%	49.430	4.811	4.974	0.000	36490.000	27810.000	28550.000	1964.000	0.000
x		86.884%	51.350	5.754	4.563	0.000	36580.000	28020.000	28570.000	1967.000	0.000
σ		1.567%	1.669	1.422	0.476	0.000	249.400	185.100	271.400	14.930	0.000
%RSD		1.804	3.249	24.710	10.430	0.000	0.682	0.661	0.950	0.759	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:48:40	24520.000	36450.000	34990.000	92.062%	8.002	440.300	189.100	19200.000	518.000	1023.000
2	12:50:25	25290.000	37660.000	35880.000	91.481%	7.270	451.800	192.200	18710.000	527.500	1075.000
3	12:52:10	24920.000	37380.000	35540.000	92.336%	7.025	451.300	193.100	18400.000	526.300	1045.000
x		24910.000	37160.000	35470.000	91.960%	7.432	447.800	191.400	18770.000	523.900	1048.000
σ		381.600	630.700	450.200	0.437%	0.508	6.525	2.127	400.900	5.172	25.930
%RSD		1.532	1.697	1.269	0.475	6.839	1.457	1.111	2.136	0.987	2.475

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:48:40	1234.000	483.300	503.700	463.500	260.000	271.200	487.000	M1855.000	M1932.000	M1922.000
2	12:50:25	1237.000	493.000	505.300	477.500	264.300	272.900	493.400	M1876.000	M1958.000	M1942.000
3	12:52:10	1227.000	493.800	505.100	471.000	267.600	273.800	495.100	M1875.000	M1940.000	M1956.000
x		1233.000	490.000	504.700	470.600	264.000	272.600	491.800	M1869.000	M1943.000	M1940.000
σ		4.913	5.876	0.855	7.026	3.841	1.330	4.288	M11.660	M13.320	M17.420
%RSD		0.399	1.199	0.169	1.493	1.455	0.488	0.872	M0.624	M0.686	M0.898

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:48:40	90.505%	4.643	89.956%	58.380	5.974	57.420	49.320	54.420	90.517%	0.793
2	12:50:25	92.098%	3.535	93.979%	60.050	5.471	58.760	50.100	55.000	95.279%	0.870
3	12:52:10	92.625%	3.152	95.341%	59.050	5.854	58.570	49.290	54.830	97.515%	0.868
x		91.743%	3.777	93.092%	59.160	5.766	58.250	49.570	54.750	94.437%	0.844
σ		1.104%	0.774	2.800%	0.839	0.263	0.725	0.460	0.299	3.574%	0.044
%RSD		1.203	20.500	3.007	1.418	4.555	1.244	0.928	0.545	3.784	5.200

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:48:40	491.300	M2120.000	93.369%	94.367%	M1779.000	M1870.000	499.200	95.900%	0.000	0.000
2	12:50:25	501.100	M2136.000	96.479%	96.692%	M1807.000	M1896.000	502.600	99.831%	0.000	0.000
3	12:52:10	493.600	M2121.000	97.679%	97.868%	M1808.000	M1888.000	500.200	101.449%	0.000	0.000
x		495.300	M2126.000	95.843%	96.309%	M1798.000	M1885.000	500.700	99.060%	0.000	0.000
σ		5.108	M8.805	2.224%	1.782%	M16.150	M13.190	1.727	2.854%	0.000	0.000
%RSD		1.031	M0.414	2.321	1.850	M0.898	M0.700	0.345	2.881	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:47	86.232%	48.360	8.249	3.759	0.000	36350.000	27540.000	28200.000	1949.000	0.000
2	12:59:33	84.394%	51.020	6.239	3.064	0.000	37050.000	27890.000	28820.000	1978.000	0.000
3	13:01:18	85.242%	49.810	7.889	3.663	0.000	36930.000	27700.000	28820.000	1963.000	0.000
x		85.289%	49.730	7.459	3.495	0.000	36780.000	27710.000	28610.000	1964.000	0.000
σ		0.920%	1.332	1.072	0.377	0.000	378.000	172.700	355.900	14.540	0.000
%RSD		1.079	2.679	14.370	10.770	0.000	1.028	0.623	1.244	0.740	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:47	24800.000	37140.000	35490.000	88.700%	6.732	446.300	190.800	19640.000	525.600	1046.000
2	12:59:33	25110.000	37540.000	35650.000	89.866%	7.201	449.000	190.300	18800.000	524.400	1077.000
3	13:01:18	25020.000	37030.000	35510.000	89.641%	7.168	448.700	191.300	18710.000	527.600	1089.000
x		24980.000	37240.000	35550.000	89.402%	7.034	448.000	190.800	19050.000	525.900	1071.000
		158.900	270.200	87.490	0.619%	0.262	1.516	0.490	513.500	1.626	14.340

σ											
%RSD		0.636	0.726	0.246	0.692	3.721	0.338	0.257	2.696	0.309	2.040
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:47	1245.000	491.700	508.900	471.300	270.700	277.600	493.300	M 1858.000	M 1942.000	M 1920.000
2	12:59:33	1217.000	487.700	501.900	469.500	269.900	275.400	491.900	M 1857.000	M 1938.000	M 1922.000
3	13:01:18	1240.000	487.900	504.500	464.600	269.800	272.900	493.200	M 1859.000	M 1923.000	M 1925.000
X		1234.000	489.100	505.100	468.500	270.100	275.300	492.800	M 1858.000	M 1934.000	M 1922.000
σ		15.060	2.253	3.502	3.482	0.503	2.381	0.756	M 0.914	M 9.889	M 2.513
%RSD		1.221	0.461	0.693	0.743	0.186	0.865	0.153	M 0.049	M 0.511	M 0.131
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:47	88.296%	2.098	87.764%	57.340	6.394	57.520	48.970	53.370	88.084%	1.013
2	12:59:33	90.709%	1.837	91.526%	59.400	5.400	59.350	50.270	55.920	93.011%	0.950
3	13:01:18	90.674%	1.813	92.555%	58.800	5.418	58.570	49.400	54.220	94.920%	0.852
X		89.893%	1.916	90.615%	58.520	5.737	58.480	49.550	54.510	92.005%	0.938
σ		1.383%	0.158	2.522%	1.060	0.569	0.919	0.663	1.300	3.527%	0.081
%RSD		1.539	8.242	2.784	1.811	9.918	1.572	1.338	2.386	3.834	8.642
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:57:47	495.800	M 2126.000	91.158%	91.393%	M 1792.000	M 1893.000	500.700	94.129%	0.000	0.000
2	12:59:33	501.800	M 2126.000	94.907%	94.820%	M 1805.000	M 1958.000	502.300	97.870%	0.000	0.000
3	13:01:18	494.700	M 2127.000	95.538%	95.715%	M 1797.000	M 1925.000	500.200	98.829%	0.000	0.000
X		497.400	M 2127.000	93.868%	93.976%	M 1798.000	M 1925.000	501.100	96.943%	0.000	0.000
σ		3.816	M 0.553	2.367%	2.281%	M 6.500	M 32.330	1.102	2.483%	0.000	0.000
%RSD		0.767	M 0.026	2.522	2.427	M 0.362	M 1.679	0.220	2.562	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:03	89.964%	0.072	2.071	1.278	0.000	-3.310	40.060	35.950	5.778	0.000
2	13:17:48	90.242%	0.092	1.569	0.821	0.000	-1.413	36.630	35.230	6.097	0.000
3	13:19:33	90.440%	0.020	2.303	1.272	0.000	-1.336	39.930	37.110	6.186	0.000
X		90.215%	0.061	1.981	1.124	0.000	-2.020	38.870	36.100	6.020	0.000
σ		0.239%	0.037	0.375	0.262	0.000	1.118	1.945	0.951	0.214	0.000
%RSD		0.265	60.110	18.950	23.330	0.000	55.350	5.002	2.635	3.559	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:03	4.627	3.335	-18.930	89.347%	2.503	117.300	6.508	23190.000	1.041	7.633
2	13:17:48	5.033	23.560	-20.900	89.812%	2.423	110.100	5.976	20760.000	0.891	6.446
3	13:19:33	6.671	10.500	-21.470	89.197%	2.411	116.600	5.590	19660.000	0.979	7.116
X		5.444	12.460	-20.430	89.452%	2.446	114.700	6.025	21200.000	0.970	7.065
σ		1.082	10.250	1.336	0.321%	0.050	3.971	0.461	1805.000	0.075	0.595
%RSD		19.880	82.270	6.536	0.359	2.037	3.462	7.654	8.515	7.753	8.428
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:03	-5.903	0.009	1.702	0.163	5.304	6.011	2.623	0.602	1.615	1.975
2	13:17:48	-3.882	0.032	1.914	0.193	4.907	5.693	2.894	2.074	2.147	2.748
3	13:19:33	-2.752	0.060	1.920	0.787	5.770	6.658	2.911	1.846	1.192	3.005
X		-4.179	0.034	1.845	0.381	5.327	6.121	2.809	1.507	1.651	2.576
σ		1.596	0.026	0.124	0.352	0.432	0.492	0.162	0.792	0.478	0.536
%RSD		38.200	77.020	6.706	92.310	8.113	8.038	5.760	52.560	28.970	20.820
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:03	89.674%	0.516	88.618%	4.382	2.307	3.652	-0.056	0.959	89.111%	0.356
2	13:17:48	91.696%	0.405	92.801%	4.407	2.132	3.664	0.065	1.092	93.940%	0.291
3	13:19:33	91.322%	0.437	93.970%	4.406	2.268	3.653	-0.028	0.972	95.124%	0.549
X		90.897%	0.453	91.796%	4.398	2.235	3.656	-0.006	1.008	92.725%	0.398
σ		1.076%	0.057	2.814%	0.014	0.092	0.007	0.063	0.073	3.185%	0.134
%RSD		1.183	12.570	3.065	0.313	4.102	0.190	1001.000	7.235	3.435	33.730
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:03	3.104	1.768	92.798%	93.584%	5.099	1.286	1.137	95.417%	0.000	0.000
2	13:17:48	3.401	1.861	95.862%	96.369%	4.935	1.173	1.017	98.922%	0.000	0.000
3	13:19:33	3.504	1.830	96.603%	97.205%	4.795	1.059	1.011	99.618%	0.000	0.000
x		3.336	1.820	95.088%	95.720%	4.943	1.173	1.055	97.986%	0.000	0.000
σ		0.208	0.047	2.018%	1.896%	0.152	0.113	0.071	2.251%	0.000	0.000
%RSD		6.229	2.601	2.122	1.981	3.072	9.669	6.771	2.298	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:12	87.861%	476.600	9.273	9.816	0.000	4874.000	5243.000	5259.000	4602.000	0.000
2	13:26:58	89.263%	465.000	9.479	8.987	0.000	4833.000	5169.000	5191.000	4571.000	0.000
3	13:28:43	88.332%	468.800	9.350	9.052	0.000	4856.000	5176.000	5207.000	4594.000	0.000
x		88.485%	470.100	9.367	9.285	0.000	4854.000	5196.000	5219.000	4589.000	0.000
σ		0.714%	5.929	0.104	0.461	0.000	20.810	41.010	35.750	15.770	0.000
%RSD		0.807	1.261	1.112	4.968	0.000	0.429	0.789	0.685	0.344	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:12	4587.000	5366.000	4959.000	87.977%	468.900	M 513.200	450.100	16650.000	M 501.800	5218.000
2	13:26:58	4572.000	5107.000	4943.000	89.147%	467.000	M 526.500	446.200	16830.000	494.900	5204.000
3	13:28:43	4608.000	5190.000	4939.000	88.936%	465.500	M 531.300	446.900	17060.000	498.500	5229.000
x		4589.000	5221.000	4947.000	88.687%	467.100	M 523.700	447.700	16850.000	M 498.400	5217.000
σ		17.950	132.300	10.680	0.624%	1.695	M 9.366	2.063	207.700	M 3.447	12.480
%RSD		0.391	2.534	0.216	0.703	0.363	M 1.788	0.461	1.233	M 0.692	0.239

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:12	5206.000	477.700	485.000	460.900	460.100	470.000	439.800	439.900	427.200	434.900
2	13:26:58	5198.000	470.500	476.400	447.700	456.500	465.000	434.500	436.500	428.200	424.700
3	13:28:43	5201.000	472.300	478.600	449.800	457.000	463.700	434.500	440.200	424.100	428.400
x		5202.000	473.500	480.000	452.800	457.900	466.200	436.300	438.900	426.500	429.300
σ		4.341	3.753	4.467	7.105	1.958	3.317	3.055	2.049	2.113	5.182
%RSD		0.083	0.793	0.930	1.569	0.428	0.712	0.700	0.467	0.495	1.207

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:12	88.713%	466.800	87.488%	182.500	3.486	186.200	450.800	486.600	87.608%	0.169
2	13:26:58	90.161%	466.300	91.085%	186.700	4.106	190.400	451.700	483.400	92.436%	0.186
3	13:28:43	90.822%	463.000	92.154%	185.300	3.927	191.100	454.200	483.100	93.935%	0.193
x		89.899%	465.400	90.242%	184.800	3.840	189.300	452.300	484.400	91.326%	0.183
σ		1.079%	2.065	2.445%	2.120	0.319	2.651	1.736	1.930	3.306%	0.012
%RSD		1.200	0.444	2.709	1.147	8.317	1.401	0.384	0.398	3.620	6.682

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:12	469.800	M 522.700	91.632%	92.307%	444.900	459.300	467.900	93.820%	0.000	0.000
2	13:26:58	471.100	M 520.500	94.526%	94.967%	448.900	477.200	467.400	96.830%	0.000	0.000
3	13:28:43	470.400	M 515.400	95.383%	95.933%	452.100	479.000	468.400	97.862%	0.000	0.000
x		470.400	M 519.500	93.847%	94.402%	448.600	471.900	467.900	96.171%	0.000	0.000
σ		0.625	M 3.733	1.965%	1.878%	3.587	10.900	0.497	2.100%	0.000	0.000
%RSD		0.133	M 0.719	2.094	1.989	0.800	2.309	0.106	2.184	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:31	91.400%	0.141	3.426	3.734	0.000	11350.000	6421.000	6459.000	14.640	0.000
2	13:45:16	92.500%	0.099	3.575	3.753	0.000	11380.000	6443.000	6424.000	14.170	0.000
3	13:47:02	93.933%	0.137	4.383	3.386	0.000	11250.000	6377.000	6399.000	14.580	0.000
x		92.611%	0.126	3.795	3.624	0.000	11330.000	6414.000	6428.000	14.460	0.000
σ		1.270%	0.023	0.515	0.207	0.000	71.170	33.790	30.310	0.254	0.000
%RSD		1.372	18.270	13.580	5.706	0.000	0.628	0.527	0.472	1.758	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

1	13:43:31	2460.000	M 69030.000	M 69910.000	90.775%	3.672	-11.740	8.367	16210.000	297.500	147.200
2	13:45:16	2476.000	M 69100.000	M 70470.000	92.691%	3.739	92.510	6.409	16370.000	295.800	144.900
3	13:47:02	2475.000	M 69390.000	M 70820.000	91.859%	3.934	93.410	6.175	16670.000	299.000	190.600
x		2470.000	M 69170.000	M 70400.000	91.775%	3.782	58.060	6.983	16410.000	297.500	160.900
σ		8.723	M 191.000	M 455.900	0.961%	0.136	60.460	1.204	233.600	1.606	25.710
%RSD		0.353	M 0.276	M 0.648	1.047	3.593	104.100	17.240	1.423	0.540	15.980

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:31	445.400	-0.098	3.507	2.113	48.370	49.910	30.660	1.897	1.845	2.114
2	13:45:16	420.000	-0.135	2.995	1.158	48.100	49.230	30.060	0.856	1.132	2.745
3	13:47:02	474.500	-0.126	2.768	0.928	47.970	48.770	29.780	-0.443	2.068	2.225
x		446.600	-0.120	3.090	1.400	48.150	49.300	30.170	0.770	1.682	2.361
σ		27.310	0.019	0.379	0.628	0.202	0.575	0.448	1.172	0.489	0.337
%RSD		6.115	15.960	12.260	44.860	0.420	1.166	1.486	152.200	29.080	14.260

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:31	89.157%	1.105	87.348%	4.348	2.560	3.584	-0.310	0.744	87.616%	1.593
2	13:45:16	91.612%	1.044	92.184%	4.357	2.386	3.597	-0.194	0.848	93.302%	1.585
3	13:47:02	91.548%	1.016	92.485%	4.358	2.427	3.619	-0.243	0.841	94.378%	1.451
x		90.772%	1.055	90.672%	4.354	2.458	3.600	-0.249	0.811	91.766%	1.543
σ		1.399%	0.045	2.883%	0.005	0.091	0.018	0.059	0.058	3.633%	0.080
%RSD		1.542	4.295	3.179	0.125	3.696	0.492	23.540	7.137	3.960	5.183

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:31	2.749	46.080	91.411%	91.802%	4.738	0.915	1.171	94.550%	0.000	0.000
2	13:45:16	2.730	46.560	95.132%	95.509%	4.626	0.811	1.170	97.795%	0.000	0.000
3	13:47:02	2.878	46.060	96.186%	96.967%	4.552	0.779	1.151	99.082%	0.000	0.000
x		2.786	46.230	94.243%	94.759%	4.639	0.835	1.164	97.142%	0.000	0.000
σ		0.081	0.282	2.508%	2.663%	0.094	0.071	0.011	2.335%	0.000	0.000
%RSD		2.898	0.610	2.661	2.810	2.023	8.536	0.977	2.404	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:41	89.095%	0.041	1.767	0.536	0.000	-3.761	26.200	23.150	5.573	0.000
2	13:54:27	90.174%	0.122	1.532	0.754	0.000	-10.460	22.310	19.240	4.845	0.000
3	13:56:12	90.074%	0.112	2.707	0.569	0.000	-10.800	23.790	18.850	4.975	0.000
x		89.781%	0.092	2.002	0.619	0.000	-8.343	24.100	20.410	5.131	0.000
σ		0.596%	0.044	0.622	0.118	0.000	3.972	1.965	2.381	0.389	0.000
%RSD		0.664	48.070	31.040	19.010	0.000	47.600	8.154	11.670	7.575	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:41	7.603	57.370	-0.364	88.206%	2.247	-3.768	76.820	12330.000	2.680	230.700
2	13:54:27	5.744	29.330	-17.470	88.241%	2.246	-1.284	41.460	12010.000	1.582	122.300
3	13:56:12	4.908	34.510	-14.530	88.805%	2.198	-1.325	50.480	11730.000	1.801	147.200
x		6.085	40.400	-10.790	88.418%	2.230	-2.126	56.260	12020.000	2.021	166.700
σ		1.379	14.920	9.148	0.336%	0.028	1.422	18.370	300.700	0.581	56.790
%RSD		22.670	36.930	84.790	0.380	1.256	66.900	32.660	2.501	28.750	34.070

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:41	228.400	0.539	30.610	28.110	11.210	12.150	1.968	-0.252	2.889	1.676
2	13:54:27	114.400	0.294	16.270	13.090	7.389	8.312	2.152	1.140	1.887	1.539
3	13:56:12	143.200	0.350	18.790	16.230	8.021	9.196	1.572	0.626	2.152	2.055
x		162.000	0.394	21.890	19.140	8.873	9.887	1.898	0.505	2.309	1.757
σ		59.260	0.128	7.657	7.921	2.048	2.012	0.296	0.704	0.519	0.267
%RSD		36.590	32.530	34.970	41.380	23.080	20.350	15.620	139.500	22.470	15.200

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:41	88.454%	1.382	87.928%	4.319	2.102	3.554	0.068	1.035	87.014%	0.470
2	13:54:27	89.322%	0.808	91.019%	4.339	2.262	3.575	-0.089	0.938	91.859%	0.499
3	13:56:12	89.498%	0.955	91.951%	4.341	2.362	3.590	-0.188	0.872	93.210%	0.454

X		89.091%	1.048	90.299%	4.333	2.242	3.573	-0.070	0.949	90.694%	0.474
σ		0.559%	0.298	2.106%	0.012	0.131	0.018	0.129	0.082	3.258%	0.023
%RSD		0.627	28.420	2.332	0.276	5.858	0.501	185.700	8.624	3.593	4.757
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:52:41	2.572	1.843	90.459%	90.832%	4.403	0.554	0.594	94.823%	0.000	0.000
2	13:54:27	2.722	1.777	93.872%	94.187%	4.320	0.533	0.554	97.652%	0.000	0.000
3	13:56:12	2.694	1.766	94.120%	94.648%	4.306	0.492	0.544	98.532%	0.000	0.000
X		2.663	1.796	92.817%	93.222%	4.343	0.526	0.564	97.002%	0.000	0.000
σ		0.080	0.042	2.046%	2.083%	0.052	0.031	0.027	1.938%	0.000	0.000
%RSD		2.987	2.314	2.204	2.235	1.207	5.945	4.746	1.998	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:49	85.175%	129.900	145.200	149.400	0.000	5181.000	4814.000	4849.000	4984.000	0.000
2	14:03:34	85.160%	127.300	149.900	150.700	0.000	5229.000	4866.000	4885.000	5017.000	0.000
3	14:05:20	84.019%	130.500	152.700	155.300	0.000	5334.000	4946.000	4951.000	5123.000	0.000
X		84.785%	129.200	149.300	151.800	0.000	5248.000	4875.000	4895.000	5041.000	0.000
σ		0.663%	1.667	3.815	3.073	0.000	78.290	66.630	51.360	72.520	0.000
%RSD		0.782	1.290	2.555	2.024	0.000	1.492	1.367	1.049	1.439	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:49	4911.000	5250.000	4855.000	86.021%	121.600	111.300	121.000	3668.000	128.400	5003.000
2	14:03:34	4978.000	5146.000	4906.000	87.496%	121.900	112.200	119.100	3587.000	128.200	5029.000
3	14:05:20	5055.000	5250.000	4954.000	86.505%	123.600	115.300	119.600	3594.000	129.800	5097.000
X		4981.000	5215.000	4905.000	86.674%	122.300	112.900	119.900	3616.000	128.800	5043.000
σ		71.820	59.960	49.490	0.752%	1.076	2.125	1.017	44.800	0.871	48.830
%RSD		1.442	1.150	1.009	0.867	0.880	1.882	0.849	1.239	0.676	0.968

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:49	4954.000	122.600	127.500	119.800	118.200	120.100	120.300	119.300	122.500	122.400
2	14:03:34	4976.000	122.700	125.500	117.800	119.000	121.000	120.300	121.500	125.000	122.900
3	14:05:20	5036.000	124.700	127.600	118.500	119.300	122.200	122.200	121.900	121.700	123.200
X		4989.000	123.300	126.900	118.700	118.800	121.100	120.900	120.900	123.000	122.800
σ		42.570	1.191	1.170	1.025	0.543	1.034	1.108	1.395	1.714	0.404
%RSD		0.853	0.966	0.922	0.864	0.457	0.854	0.916	1.154	1.393	0.329

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:49	86.066%	122.800	84.048%	114.700	1.818	117.400	117.000	128.100	84.759%	123.200
2	14:03:34	87.637%	124.500	88.881%	118.500	1.980	120.800	119.700	129.700	89.697%	125.200
3	14:05:20	88.255%	124.200	89.535%	118.800	1.970	122.100	121.000	130.400	90.858%	124.800
X		87.319%	123.800	87.488%	117.300	1.923	120.100	119.200	129.400	88.438%	124.400
σ		1.129%	0.886	2.997%	2.310	0.091	2.436	2.036	1.161	3.239%	1.048
%RSD		1.293	0.716	3.425	1.969	4.709	2.028	1.707	0.897	3.662	0.842

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:01:49	125.700	136.400	88.470%	89.154%	115.000	121.300	121.800	91.871%	0.000	0.000
2	14:03:34	126.800	136.400	91.646%	91.928%	117.500	121.500	122.800	94.925%	0.000	0.000
3	14:05:20	126.300	136.600	92.297%	92.986%	118.600	122.500	123.500	95.281%	0.000	0.000
X		126.300	136.500	90.804%	91.356%	117.000	121.800	122.700	94.026%	0.000	0.000
σ		0.548	0.101	2.047%	1.979%	1.795	0.649	0.862	1.874%	0.000	0.000
%RSD		0.434	0.074	2.255	2.166	1.534	0.533	0.702	1.993	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:50	87.194%	0.047	0.544	0.853	0.000-	9.077	0.494	-2.022	2.975	0.000
2	14:14:36	86.319%	0.032	0.602	0.546	0.000	-11.120	-0.828	-3.158	2.194	0.000
3	14:16:21	86.824%	0.011	0.719	0.741	0.000	-12.390	-0.983	-3.510	1.923	0.000
		86.779%	0.030	0.621	0.714	0.000	-10.870	-0.439	-2.897	2.364	0.000

x											
σ		0.439%	0.019	0.089	0.155	0.000	1.674	0.812	0.778	0.546	0.000
%RSD		0.506	61.730	14.330	21.760	0.000	15.410	184.800	26.850	23.100	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:50	5.807	-0.665	-27.550	87.058%	1.126	0.858	95.070	3688.000	3.803	354.900
2	14:14:36	6.182	7.968	-28.570	86.648%	1.087	0.949	29.540	3683.000	1.085	102.400
3	14:16:21	4.929	-6.015	-32.340	87.763%	1.093	0.871	15.440	3647.000	0.530	50.500
x		5.639	0.429	-29.490	87.157%	1.102	0.892	46.680	3673.000	1.806	169.300
σ		0.643	7.055	2.522	0.564%	0.021	0.049	42.500	22.430	1.752	162.800
%RSD		11.400	1643.000	8.551	0.647	1.896	5.517	91.030	0.611	96.990	96.210
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:50	354.700	0.915	54.050	48.240	14.320	15.140	0.253	0.217	0.488	0.702
2	14:14:36	105.800	0.248	14.700	12.220	3.398	3.741	0.227	0.149	0.266	0.999
3	14:16:21	53.150	0.129	7.464	6.666	1.346	1.748	0.102	1.184	1.165	1.110
x		171.200	0.431	25.410	22.380	6.356	6.878	0.194	0.517	0.640	0.937
σ		161.100	0.424	25.070	22.570	6.976	7.228	0.081	0.579	0.468	0.211
%RSD		94.080	98.360	98.680	100.900	109.800	105.100	41.600	112.000	73.210	22.530
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:50	85.933%	1.472	84.676%	2.147	1.044	1.764	0.023	0.515	85.547%	0.075
2	14:14:36	87.519%	0.492	89.737%	2.140	1.090	1.759-	0.017	0.476	90.078%	0.022
3	14:16:21	87.636%	0.308	90.121%	2.132	0.981	1.757	0.084	0.549	90.022%	0.010
x		87.029%	0.757	88.178%	2.140	1.038	1.760	0.030	0.513	88.549%	0.035
σ		0.951%	0.626	3.039%	0.008	0.055	0.003	0.051	0.036	2.600%	0.035
%RSD		1.093	82.620	3.447	0.355	5.250	0.197	167.100	7.056	2.936	97.270
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:50	1.062	0.871	88.912%	89.255%	2.359	0.433	0.070	92.940%	0.000	0.000
2	14:14:36	1.041	0.819	90.804%	91.553%	2.297	0.377	0.057	94.381%	0.000	0.000
3	14:16:21	1.030	0.828	91.435%	92.288%	2.242	0.326	0.055	94.818%	0.000	0.000
x		1.044	0.839	90.384%	91.032%	2.299	0.379	0.061	94.047%	0.000	0.000
σ		0.016	0.028	1.313%	1.582%	0.059	0.054	0.009	0.982%	0.000	0.000
%RSD		1.567	3.317	1.453	1.738	2.563	14.150	14.080	1.045	0.000	0.000

. **mp26768-s1 df5** 08/16/2004 02:18:35 PM

User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:20	87.570%	51.250	8.088	5.097	0.000	37120.000	31660.000	31660.000	1979.000	0.000
2	14:22:05	88.860%	51.670	5.614	5.166	0.000	37710.000	32050.000	32040.000	1958.000	0.000
3	14:23:51	90.299%	49.920	7.856	5.740	0.000	37740.000	32140.000	32330.000	1973.000	0.000
x		88.909%	50.950	7.186	5.334	0.000	37520.000	31950.000	32010.000	1970.000	0.000
σ		1.365%	0.913	1.366	0.353	0.000	353.700	252.300	337.800	10.560	0.000
%RSD		1.535	1.792	19.010	6.617	0.000	0.943	0.790	1.055	0.536	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:20	26520.000	M 94310.000	M 88740.000	88.941%	7.461	429.900	M 1636.000	20880.000	857.500	6776.000
2	14:22:05	26940.000	M 95790.000	M 89210.000	90.969%	7.664	439.900	528.900	20270.000	814.600	2465.000
3	14:23:51	27320.000	M 96430.000	M 90810.000	91.445%	7.651	450.100	401.700	20170.000	825.200	1962.000
x		26930.000	M 95510.000	M 89590.000	90.452%	7.592	440.000	M 855.500	20440.000	832.400	3734.000
σ		400.900	M 1089.000	M 1081.000	1.329%	0.114	10.070	M 678.800	384.600	22.320	2646.000
%RSD		1.489	M 1.140	M 1.207	1.470	1.497	2.289	M 79.350	1.881	2.681	70.860
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:20	7221.000	499.800	M 1329.000	1249.000	515.100	524.700	498.800	M 1849.000	M 1930.000	M 1940.000
2	14:22:05	2888.000	490.800	691.000	636.200	327.200	336.000	507.900	M 1888.000	M 1948.000	M 1965.000
3	14:23:51	2393.000	496.900	620.500	577.200	309.800	316.300	510.700	M 1910.000	M 1991.000	M 1990.000
x		4167.000	495.800	M 880.300	820.900	384.000	392.400	505.800	M 1882.000	M 1956.000	M 1965.000
σ		2656.000	4.626	M 390.600	372.200	113.800	115.100	6.257	M 31.180	M 31.220	M 24.630
%RSD		63.740	0.933	M 44.370	45.340	29.640	29.330	1.237	M 1.656	M 1.596	M 1.251

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:20	86.935%	21.570	85.887%	57.330	6.127	56.170	45.700	53.650	86.025%	2.053
2	14:22:05	89.112%	6.345	90.997%	58.750	6.442	58.130	46.430	53.290	91.971%	1.375
3	14:23:51	88.822%	4.484	91.704%	59.010	6.583	59.220	49.070	54.510	92.753%	1.115
x		88.290%	10.800	89.529%	58.360	6.384	57.840	47.070	53.820	90.250%	1.514
σ		1.182%	9.372	3.174%	0.903	0.233	1.541	1.773	0.630	3.679%	0.484
%RSD		1.339	86.790	3.545	1.547	3.653	2.665	3.767	1.170	4.077	31.990

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:20	491.900	M 2160.000	89.255%	90.220%	M 1761.000	M 1891.000	484.800	93.075%	0.000	0.000
2	14:22:05	495.700	M 2167.000	93.055%	93.175%	M 1809.000	M 1935.000	490.300	96.674%	0.000	0.000
3	14:23:51	504.400	M 2196.000	93.419%	93.827%	M 1830.000	M 1967.000	496.800	97.213%	0.000	0.000
x		497.300	M 2174.000	91.910%	92.408%	M 1800.000	M 1931.000	490.600	95.654%	0.000	0.000
σ		6.383	M 18.830	2.306%	1.922%	M 35.240	M 38.410	6.016	2.249%	0.000	0.000
%RSD		1.283	M 0.866	2.509	2.080	M 1.957	M 1.989	1.226	2.352	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:50	87.633%	53.450	4.926	7.868	0.000	38270.000	32430.000	32470.000	1989.000	0.000
2	14:29:35	88.187%	51.830	5.486	6.046	0.000	38240.000	32490.000	32520.000	2019.000	0.000
3	14:31:20	88.034%	52.140	6.177	4.696	0.000	37760.000	32060.000	32040.000	1970.000	0.000
x		87.951%	52.470	5.530	6.203	0.000	38090.000	32330.000	32340.000	1992.000	0.000
σ		0.286%	0.860	0.627	1.592	0.000	288.800	231.600	261.800	24.610	0.000
%RSD		0.325	1.640	11.330	25.660	0.000	0.758	0.716	0.810	1.235	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:50	27210.000	M 97340.000	M 90470.000	89.382%	7.103	448.300	545.800	20940.000	824.600	2514.000
2	14:29:35	27410.000	M 97030.000	M 98090.000	90.204%	7.156	454.400	331.300	20680.000	818.800	1604.000
3	14:31:20	27040.000	M 95160.000	M 89500.000	90.993%	7.475	449.000	324.200	20630.000	807.300	1573.000
x		27220.000	M 96510.000	M 92690.000	90.193%	7.244	450.600	400.400	20750.000	816.900	1897.000
σ		182.900	M 1182.000	M 4705.000	0.806%	0.201	3.323	125.900	166.200	8.804	534.400
%RSD		0.672	M 1.225	M 5.077	0.894	2.778	0.738	31.450	0.801	1.078	28.170

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:50	3011.000	499.000	712.600	673.000	331.100	342.700	516.700	M 1904.000	M 1972.000	M 1990.000
2	14:29:35	2128.000	495.200	590.300	548.600	292.600	299.800	515.900	M 1895.000	M 1978.000	M 1980.000
3	14:31:20	2036.000	485.600	575.400	534.100	289.000	294.100	508.100	M 1873.000	M 1956.000	M 1936.000
x		2392.000	493.300	626.100	585.200	304.300	312.200	513.600	M 1891.000	M 1969.000	M 1969.000
σ		538.000	6.924	75.270	76.350	23.330	26.580	4.742	M 16.330	M 11.170	M 28.810
%RSD		22.490	1.404	12.020	13.050	7.668	8.515	0.923	M 0.864	M 0.567	M 1.463

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:50	87.326%	6.280	87.252%	58.510	5.324	57.050	48.670	55.050	87.330%	0.989
2	14:29:35	89.226%	2.934	90.629%	59.460	6.495	59.050	48.120	53.590	91.457%	0.752
3	14:31:20	89.571%	3.006	91.129%	58.270	6.292	58.280	48.410	53.400	92.268%	0.854
x		88.708%	4.073	89.670%	58.750	6.037	58.130	48.400	54.010	90.352%	0.865
σ		1.209%	1.911	2.109%	0.630	0.626	1.005	0.277	0.901	2.648%	0.119
%RSD		1.363	46.920	2.352	1.072	10.360	1.730	0.572	1.668	2.931	13.790

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:50	502.700	M 2205.000	90.108%	90.851%	M 1800.000	M 1946.000	495.000	93.748%	0.000	0.000
2	14:29:35	506.300	M 2196.000	92.506%	92.903%	M 1811.000	M 1950.000	495.300	96.072%	0.000	0.000
3	14:31:20	497.300	M 2158.000	93.208%	92.945%	M 1807.000	M 1952.000	493.600	95.407%	0.000	0.000
x		502.100	M 2186.000	91.941%	92.233%	M 1806.000	M 1949.000	494.600	95.075%	0.000	0.000
σ		4.525	M 24.990	1.625%	1.197%	M 5.255	M 3.087	0.948	1.197%	0.000	0.000
%RSD		0.901	M 1.143	1.768	1.298	M 0.291	M 0.158	0.192	1.259	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	84.581%	0.060	1.199	1.039	0.000	1208.000	717.700	725.900	14.820	0.000
2	14:44:34	85.944%	0.037	0.806	0.653	0.000	1195.000	716.000	713.800	12.800	0.000
3	14:46:19	86.478%	0.027	1.615	0.818	0.000	1208.000	722.000	722.600	12.430	0.000
x		85.667%	0.041	1.207	0.837	0.000	1203.000	718.600	720.800	13.350	0.000
σ		0.978%	0.017	0.405	0.194	0.000	7.373	3.048	6.270	1.285	0.000
%RSD		1.142	41.010	33.520	23.150	0.000	0.613	0.424	0.870	9.629	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	262.600	7214.000	6760.000	86.209%	1.319	-1.331	228.000	3199.000	43.260	975.300
2	14:44:34	262.000	7217.000	6773.000	87.376%	1.196	1.413	65.610	2986.000	35.420	274.600
3	14:46:19	261.600	7229.000	6821.000	87.863%	1.311	1.519	33.550	2917.000	34.470	149.400
x		262.100	7220.000	6785.000	87.149%	1.275	0.533	109.000	3034.000	37.710	466.400
σ		0.507	7.685	32.060	0.850%	0.069	1.616	104.200	147.100	4.825	445.100
%RSD		0.194	0.106	0.473	0.976	5.406	302.800	95.590	4.848	12.790	95.430

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	998.200	2.567	141.400	134.500	60.780	62.050	7.019	0.401	1.298	1.022
2	14:44:34	319.600	0.786	39.440	35.800	28.590	30.030	6.622	0.629	0.897	1.134
3	14:46:19	190.900	0.392	20.710	18.820	23.120	24.300	6.956	0.774	0.717	1.173
x		502.900	1.248	67.190	63.040	37.490	38.790	6.865	0.601	0.971	1.110
σ		433.800	1.159	64.960	62.460	20.350	20.340	0.213	0.188	0.298	0.078
%RSD		86.250	92.820	96.680	99.080	54.270	52.440	3.106	31.280	30.670	7.063

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	83.073%	3.601	82.849%	2.136	1.196	1.765	-0.108	0.415	82.566%	0.818
2	14:44:34	85.222%	1.104	87.509%	2.145	1.144	1.763	-0.061	0.444	87.250%	0.600
3	14:46:19	86.299%	0.658	88.318%	2.136	1.146	1.759	-0.077	0.434	89.325%	0.633
x		84.865%	1.788	86.225%	2.139	1.162	1.762	-0.082	0.431	86.380%	0.684
σ		1.643%	1.586	2.952%	0.005	0.029	0.003	0.024	0.015	3.462%	0.117
%RSD		1.936	88.750	3.423	0.228	2.537	0.171	29.010	3.404	4.008	17.150

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:42:48	1.052	5.933	84.438%	84.543%	2.681	0.748	0.335	86.672%	0.000	0.000
2	14:44:34	1.021	5.776	87.966%	88.321%	2.516	0.626	0.278	90.804%	0.000	0.000
3	14:46:19	1.021	5.894	89.078%	89.191%	2.460	0.542	0.254	93.032%	0.000	0.000
x		1.032	5.868	87.161%	87.352%	2.553	0.639	0.289	90.169%	0.000	0.000
σ		0.018	0.082	2.422%	2.471%	0.115	0.104	0.042	3.227%	0.000	0.000
%RSD		1.741	1.393	2.779	2.829	4.503	16.210	14.380	3.579	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:20	90.485%	0.122	6.515	4.317	0.000	11580.000	6528.000	6587.000	18.680	0.000
2	14:52:05	91.956%	0.080	4.975	4.894	0.000	11740.000	6653.000	6680.000	12.030	0.000
3	14:53:50	93.814%	0.088	4.162	3.766	0.000	11660.000	6589.000	6605.000	10.280	0.000
x		92.085%	0.097	5.217	4.326	0.000	11660.000	6590.000	6624.000	13.660	0.000
σ		1.669%	0.022	1.195	0.564	0.000	80.380	62.600	49.160	4.430	0.000
%RSD		1.812	22.980	22.910	13.050	0.000	0.690	0.950	0.742	32.420	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:20	2509.000	M 69270.000	M 70290.000	91.319%	3.709	97.610	M 938.200	16920.000	330.600	4024.000
2	14:52:05	2551.000	M 70610.000	M 71980.000	92.722%	3.488	103.500	308.700	17520.000	307.300	1398.000
3	14:53:50	2527.000	M 70590.000	M 71530.000	94.543%	3.269	100.300	150.600	17460.000	298.900	714.800
x		2529.000	M 70160.000	M 71260.000	92.861%	3.489	100.500	M 465.800	17300.000	312.300	2046.000
σ		21.000	M 766.600	M 873.300	1.617%	0.220	2.938	M 416.600	330.900	16.400	1747.000
%RSD		0.830	M 1.093	M 1.226	1.741	6.297	2.925	M 89.440	1.912	5.252	85.400

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:20	4283.000	10.110	M 575.300	M 542.800	196.900	200.100	22.650	1.868	2.953	2.374

2	14:52:05	1686.000	3.322	194.100	181.300	76.350	77.790	21.700	1.230	2.508	2.169
3	14:53:50	1012.000	1.399	94.270	85.130	43.210	44.260	21.620	0.299	1.326	2.416
x		2327.000	4.942	M287.900	M269.800	105.500	107.400	21.990	1.132	2.262	2.421
σ		1727.000	4.574	M253.900	M241.300	80.870	82.060	0.572	0.789	0.841	0.254
%RSD		74.220	92.550	M88.180	M89.460	76.670	76.400	2.601	69.670	37.180	10.500

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:20	87.786%	14.930	86.440%	4.344	2.733	3.556	-0.496	0.647	85.916%	1.847
2	14:52:05	90.562%	5.892	91.713%	4.282	2.319	3.529	-0.152	0.861	92.185%	1.198
3	14:53:50	91.302%	3.090	92.741%	4.262	2.590	3.524	-0.370	0.697	94.851%	0.989
x		89.883%	7.969	90.298%	4.296	2.547	3.536	-0.340	0.735	90.984%	1.345
σ		1.854%	6.185	3.380%	0.043	0.210	0.017	0.174	0.112	4.587%	0.448
%RSD		2.062	77.620	3.744	1.003	8.244	0.493	51.220	15.230	5.042	33.300

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:50:20	2.787	46.980	89.667%	89.970%	5.128	1.329	0.989	92.685%	0.000	0.000
2	14:52:05	2.631	47.560	93.763%	94.358%	4.828	1.085	0.810	96.911%	0.000	0.000
3	14:53:50	2.715	47.070	95.397%	95.921%	4.798	0.995	0.787	98.108%	0.000	0.000
x		2.711	47.200	92.942%	93.416%	4.918	1.136	0.862	95.901%	0.000	0.000
σ		0.078	0.312	2.952%	3.085%	0.183	0.173	0.111	2.849%	0.000	0.000
%RSD		2.890	0.661	3.176	3.302	3.717	15.230	12.840	2.971	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:42	91.787%	0.060	3.537	3.911	0.000	10380.000	3798.000	3826.000	23.710	0.000
2	15:01:28	91.895%	0.060	2.675	3.327	0.000	10410.000	3812.000	3829.000	22.520	0.000
3	15:03:13	91.506%	0.040	3.953	3.586	0.000	10480.000	3840.000	3858.000	22.300	0.000
x		91.729%	0.053	3.388	3.608	0.000	10420.000	3817.000	3838.000	22.840	0.000
σ		0.201%	0.011	0.652	0.293	0.000	51.370	21.610	17.840	0.756	0.000
%RSD		0.219	21.550	19.240	8.110	0.000	0.493	0.566	0.465	3.308	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:42	648.500	M36810.000	M34500.000	92.141%	6.178	90.350	345.200	17080.000	389.700	1622.000
2	15:01:28	641.900	M35950.000	M34170.000	94.316%	6.444	94.530	187.400	16740.000	378.000	902.200
3	15:03:13	640.200	M36540.000	M34340.000	94.837%	6.216	94.770	151.500	16560.000	378.000	738.500
x		643.500	M36440.000	M34340.000	93.765%	6.279	93.220	228.000	16790.000	381.900	1087.000
σ		4.372	M439.500	M162.900	1.430%	0.144	2.487	103.000	261.300	6.765	469.700
%RSD		0.679	M1.206	M0.474	1.525	2.292	2.668	45.180	1.556	1.771	43.200

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:42	1754.000	4.259	230.800	216.800	99.870	103.200	M899.300	2.373	2.415	1.896
2	15:01:28	1029.000	2.055	119.300	111.800	61.520	63.820	M899.100	0.860	0.508	1.839
3	15:03:13	872.000	1.657	94.030	86.050	53.100	54.620	M899.600	2.519	0.727	2.335
x		1218.000	2.657	148.000	138.200	71.500	73.870	M899.300	1.917	1.217	2.023
σ		470.400	1.402	72.760	69.280	24.930	25.790	M0.208	0.918	1.044	0.271
%RSD		38.610	52.750	49.150	50.120	34.870	34.920	M0.023	47.900	85.780	13.410

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:42	89.735%	6.434	88.082%	4.303	2.282	3.581	-0.098	0.920	88.099%	1.079
2	15:01:28	91.534%	3.489	93.849%	4.308	2.686	3.552	-0.485	0.627	93.763%	0.933
3	15:03:13	92.478%	2.768	95.138%	4.303	2.528	3.565	-0.349	0.748	95.769%	0.813
x		91.249%	4.230	92.356%	4.304	2.499	3.566	-0.311	0.765	92.544%	0.942
σ		1.394%	1.942	3.757%	0.003	0.203	0.015	0.197	0.147	3.978%	0.133
%RSD		1.527	45.910	4.068	0.067	8.134	0.410	63.290	19.260	4.298	14.140

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:42	2.721	19.290	91.996%	92.423%	4.709	0.915	1.456	96.597%	0.000	0.000
2	15:01:28	2.684	19.390	95.509%	96.118%	4.559	0.776	1.406	99.978%	0.000	0.000
3	15:03:13	2.707	19.760	96.607%	97.212%	4.521	0.699	1.404	101.165%	0.000	0.000
x		2.704	19.480	94.704%	95.251%	4.597	0.797	1.422	99.246%	0.000	0.000

σ		0.018	0.249	2.408%	2.509%	0.099	0.110	0.029	2.370%	0.000	0.000
%RSD		0.676	1.280	2.543	2.634	2.164	13.740	2.062	2.388	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:14	92.576%	0.030	3.147	3.640	0.000	10680.000	3809.000	3825.000	7.633	0.000
2	15:09:00	93.529%	0.059	4.229	3.863	0.000	10670.000	3781.000	3810.000	7.308	0.000
3	15:10:45	93.525%	0.039	2.700	4.418	0.000	10760.000	3819.000	3844.000	7.069	0.000
x		93.210%	0.043	3.359	3.974	0.000	10700.000	3803.000	3826.000	7.337	0.000
σ		0.549%	0.015	0.786	0.401	0.000	47.610	19.310	17.490	0.283	0.000
%RSD		0.589	34.810	23.400	10.090	0.000	0.445	0.508	0.457	3.863	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:14	660.100	M 37190.000	M 35090.000	93.449%	3.872	89.350	77.770	17040.000	383.500	359.000
2	15:09:00	649.500	M 37040.000	M 34910.000	95.500%	3.571	98.480	46.490	16900.000	381.100	204.200
3	15:10:45	654.600	M 37260.000	M 35140.000	94.942%	3.436	99.820	44.060	16920.000	384.300	193.100
x		654.700	M 37160.000	M 35050.000	94.630%	3.626	95.890	56.110	16950.000	383.000	252.100
σ		5.312	M 109.900	M 121.700	1.060%	0.223	5.700	18.800	75.750	1.687	92.760
%RSD		0.811	M 0.296	M 0.347	1.121	6.154	5.945	33.510	0.447	0.441	36.790

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:14	501.500	0.781	49.630	45.650	26.690	27.900	M 907.300	1.093	2.708	1.413
2	15:09:00	349.700	0.425	29.710	26.350	19.860	21.170	M 906.000	1.464	1.199	1.744
3	15:10:45	339.500	0.410	27.730	23.240	19.060	20.310	M 912.200	0.131	2.078	2.199
x		396.900	0.539	35.690	31.750	21.870	23.130	M 908.500	0.896	1.995	1.785
σ		90.750	0.210	12.120	12.140	4.196	4.155	M 3.262	0.688	0.758	0.395
%RSD		22.860	39.000	33.950	38.240	19.180	17.970	M 0.359	76.770	37.970	22.100

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:14	91.237%	1.596	90.447%	4.270	2.574	3.513	-0.391	0.690	90.138%	0.483
2	15:09:00	92.900%	1.207	93.937%	4.269	2.646	3.519	-0.443	0.662	94.756%	0.447
3	15:10:45	93.408%	1.017	94.773%	4.256	2.441	3.502	-0.276	0.789	95.646%	0.458
x		92.515%	1.273	93.052%	4.265	2.554	3.511	-0.370	0.714	93.513%	0.463
σ		1.136%	0.295	2.295%	0.008	0.104	0.008	0.086	0.067	2.957%	0.018
%RSD		1.228	23.150	2.466	0.177	4.072	0.235	23.160	9.363	3.162	3.914

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:14	2.712	22.170	93.907%	94.523%	4.416	0.587	1.156	97.196%	0.000	0.000
2	15:09:00	2.749	22.630	96.601%	97.048%	4.397	0.566	1.160	99.612%	0.000	0.000
3	15:10:45	2.758	22.210	96.798%	96.790%	4.350	0.532	1.170	100.261%	0.000	0.000
x		2.740	22.330	95.768%	96.120%	4.388	0.562	1.162	99.023%	0.000	0.000
σ		0.024	0.254	1.615%	1.390%	0.034	0.028	0.007	1.615%	0.000	0.000
%RSD		0.881	1.138	1.686	1.446	0.781	4.902	0.596	1.631	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:42	96.016%	0.029	2.032	1.982	0.000	-16.860	17.460	12.180	5.168	0.000
2	15:16:27	95.488%	0.067	2.163	1.672	0.000	-15.130	17.680	12.610	5.262	0.000
3	15:18:13	97.027%	0.038	3.047	1.390	0.000	-17.520	18.420	15.010	5.346	0.000
x		96.177%	0.045	2.414	1.681	0.000	-16.510	17.850	13.270	5.259	0.000
σ		0.782%	0.020	0.552	0.296	0.000	1.235	0.503	1.523	0.089	0.000
%RSD		0.813	45.170	22.850	17.600	0.000	7.482	2.816	11.480	1.692	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:42	-4.999	23.780	-23.690	92.974%	2.465	158.900	7.962	26800.000	3.100	40.010
2	15:16:27	-6.361	17.380	-19.930	93.632%	2.285	163.900	11.710	26910.000	3.293	64.020
3	15:18:13	-6.787	22.360	-13.080	94.054%	2.313	163.400	19.370	26710.000	3.901	127.100
x		-6.049	21.170	-18.900	93.554%	2.354	162.100	13.010	26810.000	3.431	77.050
		0.934	3.358	5.379	0.544%	0.097	2.771	5.817	101.500	0.418	15.080

σ											
%RSD		15.430	15.860	28.460	0.582	4.115	1.709	44.700	0.379	12.180	58.400
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:42	22.870	0.041	2.166	0.687	11.690	12.630	3.915	0.217	1.127	1.437
2	15:16:27	42.010	0.085	4.960	3.072	12.980	13.930	4.479	0.798	1.478	1.802
3	15:18:13	110.200	0.194	10.180	7.384	14.260	15.350	4.623	-0.062	0.701	1.374
X		58.350	0.107	5.768	3.715	12.980	13.970	4.339	0.318	1.102	1.537
σ		45.890	0.079	4.068	3.394	1.286	1.361	0.374	0.439	0.389	0.231
%RSD		78.640	73.840	70.520	91.370	9.914	9.741	8.626	138.200	35.310	15.030
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:42	92.382%	0.273	91.115%	4.293	2.134	3.513	0.015	0.987	91.091%	1.243
2	15:16:27	93.863%	0.296	96.244%	4.266	2.124	3.505	0.015	0.991	96.330%	1.740
3	15:18:13	94.990%	0.525	97.345%	4.303	2.349	3.545	-0.190	0.820	96.930%	3.596
X		93.745%	0.365	94.901%	4.288	2.202	3.521	-0.053	0.933	94.783%	2.193
σ		1.308%	0.140	3.325%	0.020	0.127	0.021	0.119	0.098	3.212%	1.240
%RSD		1.395	38.240	3.504	0.455	5.757	0.611	222.400	10.480	3.389	56.550
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:42	3.147	1.912	94.134%	94.801%	4.370	0.552	0.291	97.796%	0.000	0.000
2	15:16:27	3.342	1.859	97.420%	97.875%	4.349	0.511	0.293	101.114%	0.000	0.000
3	15:18:13	3.472	1.829	98.466%	98.662%	4.300	0.482	0.299	102.501%	0.000	0.000
X		3.320	1.867	96.673%	97.113%	4.339	0.515	0.295	100.471%	0.000	0.000
σ		0.163	0.042	2.261%	2.040%	0.036	0.035	0.004	2.418%	0.000	0.000
%RSD		4.914	2.235	2.338	2.101	0.831	6.802	1.398	2.407	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:10	85.919%	132.700	149.000	153.700	0.000	5322.000	4946.000	5137.000	5115.000	0.000
2	15:23:55	85.059%	133.900	157.100	160.600	0.000	5424.000	4987.000	5198.000	5193.000	0.000
3	15:25:41	85.386%	131.900	156.500	159.600	0.000	5432.000	4988.000	5230.000	5218.000	0.000
X		85.455%	132.800	154.200	158.000	0.000	5393.000	4974.000	5188.000	5175.000	0.000
σ		0.434%	0.983	4.486	3.704	0.000	61.240	24.140	47.180	54.020	0.000
%RSD		0.508	0.740	2.909	2.344	0.000	1.136	0.485	0.909	1.044	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:10	5020.000	5203.000	4921.000	88.487%	122.200	113.200	125.200	3739.000	128.400	5068.000
2	15:23:55	5117.000	5328.000	4957.000	89.031%	123.600	113.900	120.600	3654.000	129.900	5102.000
3	15:25:41	5145.000	5338.000	4963.000	88.747%	123.100	113.600	120.300	3674.000	129.900	5119.000
X		5094.000	5290.000	4947.000	88.755%	123.000	113.600	122.000	3689.000	129.400	5096.000
σ		65.530	75.350	22.520	0.272%	0.693	0.334	2.730	44.300	0.867	26.090
%RSD		1.286	1.424	0.455	0.306	0.564	0.294	2.237	1.201	0.670	0.512
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:10	4988.000	123.900	131.500	121.900	120.800	122.600	120.600	121.400	123.600	125.700
2	15:23:55	5015.000	124.700	128.100	118.500	120.300	122.200	121.800	121.700	125.800	123.600
3	15:25:41	5037.000	124.300	128.100	119.700	119.600	121.500	122.500	122.800	123.200	126.200
X		5013.000	124.300	129.200	120.000	120.200	122.100	121.600	122.000	124.200	125.200
σ		24.290	0.402	1.943	1.750	0.603	0.572	0.981	0.776	1.429	1.403
%RSD		0.485	0.324	1.504	1.458	0.501	0.469	0.806	0.636	1.150	1.121
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:10	87.764%	124.000	87.918%	116.100	2.123	118.600	118.100	128.500	87.729%	124.800
2	15:23:55	89.311%	125.700	91.725%	119.000	1.851	121.900	119.500	129.700	92.269%	125.300
3	15:25:41	89.661%	125.100	91.615%	119.100	2.161	123.100	121.200	130.000	92.875%	125.500
X		88.912%	124.900	90.419%	118.000	2.045	121.200	119.600	129.400	90.958%	125.200
σ		1.010%	0.873	2.167%	1.701	0.169	2.347	1.521	0.798	2.812%	0.346
%RSD		1.136	0.699	2.396	1.441	8.283	1.937	1.272	0.617	3.092	0.276
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:10	126.000	136.700	90.870%	91.465%	116.100	120.000	122.700	94.822%	0.000	0.000
2	15:23:55	125.900	137.900	93.257%	93.360%	117.800	121.600	122.700	97.405%	0.000	0.000
3	15:25:41	127.700	137.000	93.489%	93.591%	118.400	122.400	123.200	97.451%	0.000	0.000
X		126.500	137.200	92.538%	92.805%	117.500	121.400	122.900	96.559%	0.000	0.000
σ		0.970	0.654	1.450%	1.167%	1.206	1.210	0.319	1.504%	0.000	0.000
%RSD		0.766	0.477	1.567	1.257	1.027	0.997	0.259	1.558	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:41	88.728%	0.041	1.159	1.207	0.000	-12.540	-0.012	-2.301	6.230	0.000
2	15:33:26	87.585%	0.031	0.824	1.023	0.000	-12.810	-0.681	-2.679	3.553	0.000
3	15:35:11	87.214%	0.026	1.086	0.754	0.000	-11.250	-0.845	-3.178	2.588	0.000
X		87.842%	0.033	1.023	0.995	0.000	-12.200	-0.513	-2.719	4.124	0.000
σ		0.789%	0.008	0.176	0.228	0.000	0.832	0.442	0.440	1.887	0.000
%RSD		0.898	23.200	17.250	22.940	0.000	6.822	86.140	16.180	45.750	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:41	2.623	-1.183	-27.610	89.935%	1.090	-0.584	15.170	3932.000	0.665	58.240
2	15:33:26	4.262	-7.784	-32.020	89.286%	1.060	1.251	10.970	3854.000	0.437	39.580
3	15:35:11	4.280	-2.950	-31.820	88.725%	1.076	0.592	8.222	3863.000	0.314	27.720
X		3.722	-3.972	-30.480	89.315%	1.075	0.420	11.450	3883.000	0.472	41.850
σ		0.952	3.417	2.493	0.605%	0.015	0.929	3.500	42.240	0.178	15.390
%RSD		25.570	86.010	8.178	0.678	1.388	221.500	30.560	1.088	37.660	36.770

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:41	58.790	0.158	8.751	7.228	2.097	2.563	0.392	0.407	0.312	0.787
2	15:33:26	39.980	0.114	5.874	4.290	0.975	1.401	0.201	0.512	0.783	0.898
3	15:35:11	26.870	0.070	4.007	3.299	0.465	0.903	0.128	0.280	0.530	1.038
X		41.880	0.114	6.211	4.939	1.179	1.622	0.240	0.400	0.542	0.908
σ		16.050	0.044	2.389	2.043	0.835	0.852	0.137	0.116	0.236	0.126
%RSD		38.310	38.510	38.470	41.370	70.830	52.490	56.870	29.060	43.570	13.860

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:41	87.411%	0.401	84.753%	2.123	0.985	1.759	0.093	0.567	84.512%	0.045
2	15:33:26	88.124%	0.274	90.317%	2.121	1.156	1.751	-0.082	0.443	89.849%	0.015
3	15:35:11	88.835%	0.214	91.260%	2.131	1.128	1.750	-0.055	0.459	90.588%	0.029
X		88.123%	0.296	88.777%	2.125	1.090	1.753	-0.015	0.490	88.317%	0.030
σ		0.712%	0.095	3.517%	0.006	0.092	0.005	0.094	0.067	3.315%	0.015
%RSD		0.808	32.230	3.961	0.259	8.413	0.284	631.700	13.770	3.754	51.300

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:41	1.052	0.839	88.207%	88.116%	2.178	0.268	0.069	88.381%	0.000	0.000
2	15:33:26	1.054	0.836	90.444%	90.919%	2.160	0.245	0.064	92.293%	0.000	0.000
3	15:35:11	1.050	0.835	91.296%	91.742%	2.151	0.229	0.057	92.213%	0.000	0.000
X		1.052	0.837	89.982%	90.259%	2.163	0.247	0.063	90.962%	0.000	0.000
σ		0.002	0.002	1.595%	1.901%	0.014	0.019	0.006	2.236%	0.000	0.000
%RSD		0.165	0.216	1.773	2.106	0.632	7.849	9.878	2.458	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:09	92.107%	487.600	9.781	9.993	0.000	4855.000	5218.000	5221.000	4646.000	0.000
2	15:40:55	90.178%	481.400	10.730	10.040	0.000	4933.000	5207.000	5235.000	4670.000	0.000
3	15:42:40	91.778%	478.600	9.90310.160		0.000	4899.000	5169.000	5196.000	4650.000	0.000
X		91.354%	482.500	10.140	10.060	0.000	4896.000	5198.000	5217.000	4656.000	0.000
σ		1.032%	4.586	0.516	0.086	0.000	38.780	25.630	19.720	12.720	0.000
%RSD		1.129	0.950	5.088	0.853	0.000	0.792	0.493	0.378	0.273	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

1	15:39:09	4662.000	5366.000	4977.000	90.462%	466.900	M534.300	453.200	18080.000	M500.700	5267.000
2	15:40:55	4645.000	5097.000	4943.000	92.103%	465.900	M534.100	444.200	18260.000	492.900	5212.000
3	15:42:40	4645.000	5245.000	4938.000	92.274%	460.900	M542.700	450.000	18140.000	490.500	5245.000
X		4650.000	5236.000	4953.000	91.613%	464.600	M537.000	449.100	18160.000	M494.700	5241.000
σ		9.811	134.600	21.080	1.001%	3.216	M4.910	4.572	93.340	M5.317	27.730
%RSD		0.211	2.571	0.426	1.092	0.692	M0.914	1.018	0.514	M1.075	0.529

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:09	5242.000	478.900	487.000	457.400	459.400	469.200	432.700	444.200	434.900	437.000
2	15:40:55	5118.000	470.500	482.200	456.600	453.700	463.800	431.700	440.500	427.900	433.500
3	15:42:40	5145.000	470.300	480.800	450.500	451.300	460.600	429.200	437.800	423.800	429.300
X		5169.000	473.300	483.300	454.800	454.800	464.500	431.200	440.800	428.900	433.300
σ		65.350	4.886	3.259	3.755	4.183	4.313	1.800	3.171	5.628	3.867
%RSD		1.264	1.032	0.674	0.826	0.920	0.928	0.417	0.719	1.312	0.892

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:09	90.212%	470.700	88.527%	181.000	3.661	186.900	446.100	485.200	87.984%	0.172
2	15:40:55	91.301%	464.900	93.787%	185.100	3.856	187.300	446.200	485.600	93.454%	0.169
3	15:42:40	92.055%	466.100	94.007%	186.700	4.177	190.400	447.400	483.400	94.650%	0.157
X		91.189%	467.200	92.107%	184.300	3.898	188.200	446.600	484.800	92.029%	0.166
σ		0.927%	3.045	3.102%	2.937	0.261	1.919	0.727	1.177	3.554%	0.008
%RSD		1.016	0.652	3.368	1.594	6.682	1.020	0.163	0.243	3.862	4.822

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:09	473.200	M530.500	92.311%	93.122%	443.800	472.700	465.900	97.075%	0.000	0.000
2	15:40:55	469.300	M522.100	94.953%	95.149%	449.000	480.700	466.500	99.072%	0.000	0.000
3	15:42:40	469.000	M522.000	95.674%	96.067%	452.000	483.900	466.600	99.459%	0.000	0.000
X		470.500	M524.900	94.313%	94.779%	448.300	479.100	466.300	98.535%	0.000	0.000
σ		2.341	M4.873	1.771%	1.507%	4.173	5.774	0.405	1.279%	0.000	0.000
%RSD		0.498	M0.928	1.878	1.590	0.931	1.205	0.087	1.298	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:37	89.195%	51.460	5.406	5.771	0.000	33700.000	29050.000	29100.000	1927.000	0.000
2	15:48:22	89.448%	53.210	6.930	5.119	0.000	33960.000	29210.000	29430.000	1934.000	0.000
3	15:50:07	90.219%	52.740	7.042	5.927	0.000	33590.000	28910.000	28940.000	1914.000	0.000
X		89.621%	52.470	6.459	5.606	0.000	33750.000	29060.000	29160.000	1925.000	0.000
σ		0.533%	0.904	0.914	0.429	0.000	189.300	148.800	247.500	9.754	0.000
%RSD		0.595	1.722	14.150	7.650	0.000	0.561	0.512	0.849	0.507	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:37	26030.000	M68050.000	M63860.000	91.532%	7.459	430.800	198.900	25030.000	691.000	1065.000
2	15:48:22	26250.000	M67850.000	M63900.000	93.082%	7.966	435.200	194.900	24480.000	694.300	1050.000
3	15:50:07	26140.000	M67640.000	M63450.000	93.032%	6.788	584.600	199.000	24590.000	690.700	1066.000
X		26140.000	M67850.000	M63730.000	92.549%	7.405	483.500	197.600	24700.000	692.000	1060.000
σ		111.400	M209.200	M244.600	0.881%	0.591	87.540	2.366	289.900	1.983	9.072
%RSD		0.426	M0.308	M0.384	0.951	7.979	18.100	1.197	1.174	0.287	0.856

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:37	1370.000	479.700	498.800	450.300	311.700	318.300	573.200	M1837.000	M1912.000	M1904.000
2	15:48:22	1318.000	479.100	493.000	462.500	309.600	315.500	567.800	M1831.000	M1891.000	M1890.000
3	15:50:07	1342.000	473.000	493.800	460.400	307.800	313.100	566.400	M1817.000	M1867.000	M1892.000
X		1343.000	477.300	495.200	457.800	309.700	315.700	569.100	M1828.000	M1890.000	M1895.000
σ		25.910	3.707	3.162	6.525	1.939	2.622	3.583	M10.280	M22.520	M7.521
%RSD		1.929	0.777	0.638	1.425	0.626	0.831	0.630	M0.563	M1.191	M0.397

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:37	90.008%	5.222	89.074%	55.470	5.575	55.460	46.190	52.830	88.973%	2.886
2	15:48:22	91.644%	4.203	93.443%	57.510	5.771	56.440	47.680	52.490	94.213%	3.171
3	15:50:07	91.961%	3.514	94.060%	56.880	6.179	56.850	46.590	52.260	94.219%	3.04

X		91.204%	4.313	92.192%	56.620	5.842	56.250	46.820	52.520	92.469%	3.021
σ		1.048%	0.859	2.718%	1.045	0.308	0.713	0.776	0.286	3.027%	0.143
%RSD		1.149	19.920	2.948	1.845	5.277	1.268	1.656	0.545	3.274	4.737
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:37	486.800	M 2246.000	91.946%	92.144%	M 1785.000	M 1926.000	478.400	96.044%	0.000	0.000
2	15:48:22	485.800	M 2227.000	94.939%	95.105%	M 1811.000	M 1964.000	483.000	98.079%	0.000	0.000
3	15:50:07	487.000	M 2219.000	95.557%	95.710%	M 1785.000	M 1950.000	478.800	98.879%	0.000	0.000
X		486.500	M 2231.000	94.148%	94.320%	M 1794.000	M 1947.000	480.100	97.668%	0.000	0.000
σ		0.627	M 14.000	1.931%	1.909%	M 15.160	M 19.110	2.534	1.461%	0.000	0.000
%RSD		0.129	M 0.628	2.051	2.024	M 0.845	M 0.982	0.528	1.496	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:05	90.705%	50.860	8.160	4.697	0.000	33190.000	28780.000	28690.000	1913.000	0.000
2	15:55:50	89.918%	52.120	4.996	5.549	0.000	33770.000	29290.000	29460.000	1926.000	0.000
3	15:57:36	89.924%	50.770	7.242	5.502	0.000	33260.000	28800.000	28880.000	1902.000	0.000
X		90.182%	51.250	6.799	5.249	0.000	33410.000	28960.000	29010.000	1913.000	0.000
σ		0.453%	0.756	1.628	0.479	0.000	316.100	290.800	400.100	12.010	0.000
%RSD		0.502	1.475	23.940	9.118	0.000	0.946	1.004	1.379	0.628	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:05	25880.000	M 67310.000	M 63320.000	91.787%	6.593	431.600	191.000	24660.000	692.400	1052.000
2	15:55:50	26300.000	M 68340.000	M 64110.000	92.128%	6.697	435.000	188.400	24550.000	697.300	984.200
3	15:57:36	25930.000	M 67860.000	M 63010.000	92.649%	7.721	425.700	191.200	24630.000	691.700	985.600
X		26040.000	M 67840.000	M 63480.000	92.188%	7.004	430.800	190.200	24610.000	693.800	1007.000
σ		226.200	M 514.900	M 562.400	0.434%	0.624	4.671	1.607	57.460	3.056	38.930
%RSD		0.869	M 0.759	M 0.886	0.471	8.908	1.084	0.845	0.233	0.440	3.865
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:05	1335.000	475.800	489.900	459.000	293.300	302.100	572.600	M 1819.000	M 1875.000	M 1870.000
2	15:55:50	1318.000	478.200	492.500	459.800	295.400	302.100	573.500	M 1831.000	M 1889.000	M 1890.000
3	15:57:36	1328.000	472.600	485.300	452.500	291.900	299.600	566.300	M 1807.000	M 1880.000	M 1869.000
X		1327.000	475.500	489.300	457.100	293.500	301.300	570.800	M 1819.000	M 1881.000	M 1876.000
σ		8.569	2.765	3.656	4.006	1.758	1.462	3.926	M 12.020	M 7.378	M 11.800
%RSD		0.646	0.582	0.747	0.876	0.599	0.485	0.688	M 0.661	M 0.392	M 0.629
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:05	89.885%	2.795	89.121%	55.830	5.724	54.810	45.270	52.050	89.379%	1.899
2	15:55:50	91.245%	2.884	93.293%	57.210	5.807	56.340	47.540	52.140	94.139%	3.717
3	15:57:36	91.737%	3.006	93.614%	56.020	6.014	56.470	46.170	52.470	94.801%	1.862
X		90.956%	2.895	92.009%	56.360	5.848	55.870	46.320	52.220	92.773%	2.493
σ		0.959%	0.106	2.507%	0.750	0.149	0.922	1.142	0.219	2.958%	1.060
%RSD		1.054	3.662	2.724	1.330	2.551	1.650	2.465	0.419	3.188	42.540
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:54:05	480.800	M 2221.000	91.807%	92.602%	M 1765.000	M 1919.000	475.600	95.707%	0.000	0.000
2	15:55:50	485.400	M 2223.000	94.361%	94.772%	M 1862.000	M 1963.000	479.600	98.048%	0.000	0.000
3	15:57:36	482.100	M 2204.000	95.616%	95.874%	M 1785.000	M 1946.000	475.700	98.599%	0.000	0.000
X		482.800	M 2216.000	93.928%	94.416%	M 1804.000	M 1943.000	477.000	97.451%	0.000	0.000
σ		2.346	M 10.370	1.941%	1.665%	M 50.980	M 22.030	2.272	1.536%	0.000	0.000
%RSD		0.486	M 0.468	2.067	1.763	M 2.826	M 1.134	0.476	1.576	0.000	0.000

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User Pre-dilution: 10.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:01	86.297%	0.319	7.609	8.332	0.000	8200.000	4835.000	4869.000	45.070	0.000
2	16:10:46	87.414%	0.157	8.009	3.977	0.000	8217.000	4827.000	4873.000	41.610	0.000
3	16:12:32	89.655%	0.256	11.460	7.216	0.000	8168.000	4871.000	4882.000	42.440	0.000
		87.789%	0.244	9.025	6.508	0.000	8195.000	4844.000	4875.000	43.040	0.000

x						0.000	24.930	23.220	6.365	1.806	0.000
σ		1.710%	0.081	2.117	2.262	0.000	0.304	0.479	0.131	4.195	0.000
%RSD		1.948	33.340	23.450	34.750	0.000	0.304	0.479	0.131	4.195	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:01	2176.000	42470.000	40710.000	88.707%	12.000	3.730	147.700	35940.000	207.900	616.200
2	16:10:46	2181.000	43410.000	41070.000	89.631%	11.820	19.300	58.960	34070.000	206.000	248.900
3	16:12:32	2148.000	43540.000	40980.000	91.162%	12.010	18.420	64.070	33690.000	205.000	265.400
x		2168.000	43140.000	40920.000	89.833%	11.940	13.820	90.230	34570.000	206.300	376.800
σ		17.750	582.300	186.400	1.240%	0.106	8.746	49.810	1207.000	1.466	207.400
%RSD		0.818	1.350	0.455	1.380	0.887	63.300	55.200	3.492	0.711	55.050
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:01	846.300	1.621	90.850	81.520	97.760	105.600	141.600	8.035	1.975	10.800
2	16:10:46	477.500	0.702	37.430	30.420	84.850	89.550	146.500	7.186	5.451	8.584
3	16:12:32	493.600	0.923	40.680	28.880	83.550	89.000	145.300	4.685	0.249	11.450
x		605.800	1.082	56.320	46.940	88.720	94.700	144.400	6.635	2.558	10.280
σ		208.500	0.480	29.950	29.960	7.854	9.405	2.556	1.742	2.649	1.504
%RSD		34.410	44.320	53.180	63.820	8.853	9.932	1.770	26.250	103.600	14.630
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:01	87.218%	5.137	87.064%	21.220	11.110	17.510	-0.264	4.785	87.394%	1.755
2	16:10:46	88.492%	3.543	91.395%	21.200	10.740	17.440	-0.039	4.885	91.847%	1.895
3	16:12:32	89.535%	3.459	92.214%	21.320	11.930	17.480	-1.052	4.122	93.483%	2.056
x		88.415%	4.046	90.224%	21.250	11.260	17.480	-0.452	4.597	90.908%	1.902
σ		1.160%	0.945	2.767%	0.063	0.613	0.034	0.532	0.415	3.151%	0.151
%RSD		1.312	23.360	3.067	0.298	5.439	0.194	117.800	9.023	3.467	7.934
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:09:01	10.530	161.000	89.546%	89.689%	26.920	7.857	2.222	93.826%	0.000	0.000
2	16:10:46	10.360	162.200	92.056%	92.162%	25.680	6.717	2.157	96.240%	0.000	0.000
3	16:12:32	10.280	157.600	93.158%	93.161%	25.160	6.390	2.218	97.775%	0.000	0.000
x		10.390	160.300	91.587%	91.671%	25.920	6.988	2.199	95.947%	0.000	0.000
σ		0.125	2.372	1.851%	1.787%	0.903	0.770	0.036	1.991%	0.000	0.000
%RSD		1.207	1.480	2.021	1.950	3.484	11.020	1.657	2.075	0.000	0.000

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x						0.000	8095.000	4106.000	4118.000	12.990	0.000
σ		94.915%	0.029	4.373	4.064	0.000	8156.000	4126.000	4152.000	13.430	0.000
%RSD		95.188%	0.029	4.240	3.290	0.000	8124.000	4093.000	4118.000	13.570	0.000
Run	Time	95.876%	0.029	3.030	3.631	0.000	8125.000	4109.000	4130.000	13.330	0.000
		95.327%	0.029	3.881	3.662	0.000	30.590	16.740	19.680	0.301	0.000
1	16:16:30	0.495%	0.000	0.740	0.388	0.000	0.377	0.408	0.477	2.259	0.000
2	16:18:16	0.519	0.499	19.070	10.610	0.000	0.377	0.408	0.477	2.259	0.000
3	16:20:01	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
x		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
σ		2070.000	M 42410.000	M 43130.000	93.964%	3.731	117.800	20.130	21120.000	195.800	87.600
%RSD		2098.000	M 42700.000	M 43850.000	94.730%	3.541	126.100	31.680	21490.000	197.500	135.400
Run	Time	2095.000	M 42880.000	M 43980.000	94.587%	3.818	126.400	40.400	21660.000	196.900	171.300
		2088.000	M 42660.000	M 43650.000	94.427%	3.697	123.400	30.730	21420.000	196.700	131.400
1	16:16:30	15.890	M 237.900	M 460.100	0.407%	0.142	4.893	10.170	277.100	0.893	42.000
2	16:18:16	0.761	M 0.558	M 1.054	0.431	3.837	3.965	33.080	1.294	0.454	31.950
3	16:20:01	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
x		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
σ		267.000	0.089	10.630	8.698	10.930	11.740	98.950	2.647	0.647	2.189
%RSD		310.000	0.180	16.860	12.870	12.490	13.390	99.610	0.785	1.050	2.144
		333.400	0.291	23.030	19.320	14.500	15.670	97.470	1.694	0.008	2.446
		303.500	0.187	16.840	13.630	12.640	13.600	98.680	1.709	0.568	2.259
		33.650	0.101	6.198	5.350	1.790	1.975	1.093	0.931	0.525	0.163
		11.090	54.140	36.800	39.250	14.160	14.520	1.108	54.490	92.440	7.233

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:30	90.334%	2.112	89.733%	4.265	2.175	3.494	-0.012	0.971	89.826%	0.432
2	16:18:16	92.671%	2.206	94.135%	4.265	2.413	3.502	-0.226	0.833	95.537%	0.436
3	16:20:01	93.100%	2.362	94.370%	4.257	2.234	3.530	-0.070	0.955	95.835%	0.402
x		92.035%	2.227	92.746%	4.262	2.274	3.509	-0.103	0.919	93.733%	0.423
σ		1.489%	0.126	2.612%	0.004	0.124	0.019	0.111	0.076	3.386%	0.018
%RSD		1.617	5.671	2.817	0.101	5.456	0.545	107.900	8.226	3.613	4.331

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:16:30	2.614	151.800	92.907%	93.227%	5.058	1.282	1.121	96.938%	0.000	0.000
2	16:18:16	2.739	149.700	95.926%	96.081%	4.942	1.200	1.122	99.524%	0.000	0.000
3	16:20:01	2.700	150.500	96.734%	96.665%	4.869	1.096	1.149	98.958%	0.000	0.000
x		2.685	150.700	95.189%	95.324%	4.957	1.193	1.131	98.473%	0.000	0.000
σ		0.064	1.045	2.017%	1.840%	0.095	0.093	0.016	1.360%	0.000	0.000
%RSD		2.370	0.693	2.119	1.930	1.924	7.802	1.390	1.381	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:00	92.753%	0.059	4.321	3.865	0.000	10750.000	6574.000	6575.000	8.901	0.000
2	16:25:46	93.825%	0.078	3.911	3.938	0.000	10650.000	6550.000	6571.000	9.238	0.000
3	16:27:31	94.414%	0.087	4.808	4.656	0.000	10650.000	6561.000	6586.000	8.736	0.000
x		93.664%	0.075	4.346	4.153	0.000	10680.000	6562.000	6577.000	8.958	0.000
σ		0.842%	0.014	0.449	0.437	0.000	58.630	12.260	7.798	0.256	0.000
%RSD		0.899	19.090	10.340	10.520	0.000	0.549	0.187	0.119	2.852	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:00	2740.000	M 35040.000	M 32920.000	93.430%	3.932	122.900	25.990	21030.000	M 535.600	1405.000
2	16:25:46	2752.000	M 35150.000	M 33090.000	94.002%	3.816	124.800	39.730	21070.000	M 533.600	1463.000
3	16:27:31	2750.000	M 35020.000	M 33020.000	95.546%	3.843	126.800	22.640	20790.000	M 533.200	1393.000
x		2748.000	M 35070.000	M 33010.000	94.326%	3.864	124.800	29.460	20960.000	M 534.100	1420.000
σ		6.362	M 68.670	M 89.280	1.094%	0.061	1.989	9.055	153.800	M 1.271	37.540
%RSD		0.232	M 0.196	M 0.271	1.160	1.575	1.593	30.740	0.734	M 0.238	2.643

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:00	1500.000	0.632	13.630	12.210	24.670	25.830	29.130	1.173	1.191	2.112
2	16:25:46	1547.000	0.729	21.500	17.410	26.900	28.260	29.310	1.629	0.395	2.336
3	16:27:31	1475.000	0.522	11.270	8.869	24.000	25.290	28.890	0.627	0.507	2.161
x		1508.000	0.628	15.470	12.830	25.190	26.460	29.110	1.143	0.698	2.203
σ		36.460	0.104	5.359	4.305	1.516	1.583	0.211	0.502	0.431	0.118
%RSD		2.418	16.480	34.650	33.560	6.020	5.984	0.724	43.880	61.730	5.338

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:00	89.947%	1.297	88.816%	4.246	2.371	3.491	-0.199	0.842	89.242%	1.109
2	16:25:46	92.387%	1.375	93.081%	4.238	2.334	3.493	-0.136	0.885	94.520%	1.178
3	16:27:31	93.138%	1.169	93.956%	4.278	2.255	3.486	-0.041	0.959	95.955%	1.028
x		91.824%	1.280	91.951%	4.254	2.320	3.490	-0.125	0.895	93.239%	1.105
σ		1.669%	0.104	2.750%	0.021	0.060	0.003	0.080	0.059	3.535%	0.075
%RSD		1.817	8.117	2.991	0.496	2.565	0.099	63.790	6.617	3.791	6.774

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:24:00	2.810	26.510	91.795%	92.647%	4.699	0.863	1.028	94.672%	0.000	0.000
2	16:25:46	2.812	25.780	95.104%	95.530%	4.639	0.852	1.034	97.896%	0.000	0.000
3	16:27:31	2.790	25.490	96.011%	96.620%	4.621	0.802	1.043	98.918%	0.000	0.000
x		2.804	25.930	94.303%	94.932%	4.653	0.839	1.035	97.162%	0.000	0.000
σ		0.013	0.526	2.219%	2.053%	0.041	0.032	0.007	2.216%	0.000	0.000
%RSD		0.447	2.028	2.354	2.162	0.882	3.870	0.710	2.281	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:29	85.518%	134.600	148.900	153.700	0.000	5394.000	4938.000	4951.000	5156.000	0.000
2	16:33:14	85.299%	131.500	153.000	157.400	0.000	5408.000	4985.000	4980.000	5188.000	0.000
3	16:34:59	85.343%	133.400	154.600	160.000	0.000	5446.000	4979.000	5231.000	5224.000	0.000
X		85.387%	133.200	152.200	157.000	0.000	5416.000	4967.000	5054.000	5190.000	0.000
σ		0.116%	1.577	2.934	3.158	0.000	26.930	25.340	153.700	34.050	0.000
%RSD		0.136	1.184	1.928	2.011	0.000	0.497	0.510	3.040	0.656	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:29	5045.000	5284.000	4906.000	89.128%	123.100	113.800	127.800	3751.000	128.600	5112.000
2	16:33:14	5131.000	5268.000	4948.000	89.363%	123.100	113.600	122.000	3711.000	129.000	5139.000
3	16:34:59	5118.000	5226.000	4958.000	89.852%	122.900	114.300	120.700	3678.000	129.200	5112.000
X		5098.000	5259.000	4937.000	89.447%	123.100	113.900	123.500	3714.000	128.900	5121.000
σ		46.490	29.980	27.300	0.369%	0.117	0.348	3.780	36.800	0.274	15.780
%RSD		0.912	0.570	0.553	0.413	0.095	0.306	3.060	0.991	0.212	0.308

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:29	5009.000	123.900	131.400	123.500	121.300	123.500	120.300	121.800	125.600	124.700
2	16:33:14	5014.000	124.400	129.300	122.800	119.800	122.600	120.000	123.200	123.200	125.800
3	16:34:59	4994.000	124.400	129.200	121.000	119.600	122.200	120.000	121.800	122.200	125.500
X		5006.000	124.200	130.000	122.400	120.200	122.800	120.100	122.200	123.700	125.300
σ		10.620	0.274	1.254	1.266	0.977	0.701	0.166	0.802	1.743	0.563
%RSD		0.212	0.221	0.965	1.034	0.812	0.571	0.138	0.656	1.410	0.449

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:29	87.271%	123.800	87.024%	116.700	1.512	118.500	119.100	128.100	87.300%	123.900
2	16:33:14	88.486%	125.000	90.486%	118.900	1.856	122.500	119.900	129.300	91.173%	124.900
3	16:34:59	89.512%	125.000	90.949%	118.400	2.003	122.500	122.000	130.300	92.219%	125.300
X		88.423%	124.600	89.486%	118.000	1.791	121.200	120.300	129.200	90.231%	124.700
σ		1.122%	0.708	2.145%	1.198	0.252	2.314	1.518	1.099	2.591%	0.719
%RSD		1.269	0.568	2.397	1.015	14.070	1.910	1.262	0.850	2.872	0.576

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:31:29	126.400	137.700	89.654%	90.238%	115.000	119.700	122.000	92.688%	0.000	0.000
2	16:33:14	126.900	137.500	91.997%	92.061%	117.700	121.300	122.600	95.061%	0.000	0.000
3	16:34:59	127.000	137.000	92.579%	92.936%	118.200	122.200	123.500	95.402%	0.000	0.000
X		126.800	137.400	91.410%	91.745%	117.000	121.100	122.700	94.383%	0.000	0.000
σ		0.299	0.388	1.548%	1.376%	1.721	1.276	0.735	1.478%	0.000	0.000
%RSD		0.236	0.283	1.694	1.500	1.471	1.054	0.599	1.566	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na25	Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:12	84.196%	0.027	1.092	0.964	0.000	-9.889	0.151	-1.864	3.571	0.000
2	16:42:58	85.982%	0.064	0.604	0.850	0.000	-12.340	-0.348	-2.519	2.905	0.000
3	16:44:43	85.141%	0.043	0.885	0.669	0.000	-11.450	-0.257	-2.509	2.780	0.000
X		85.106%	0.045	0.861	0.827	0.000	-11.220	-0.151	-2.297	3.085	0.000
σ		0.894%	0.018	0.245	0.149	0.000	1.239	0.266	0.375	0.425	0.000
%RSD		1.050	41.230	28.490	17.980	0.000	11.040	175.600	16.330	13.790	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:12	6.287	0.731	-30.120	88.375%	1.030	2.553	36.530	3102.000	1.753	152.100
2	16:42:58	5.975	-2.204	-32.310	89.106%	1.014	2.489	18.890	3035.000	0.863	77.210
3	16:44:43	6.114	0.234	-32.110	88.839%	1.076	3.456	12.120	3023.000	0.513	48.590
X		6.125	-0.413	-31.510	88.773%	1.040	2.833	22.510	3053.000	1.043	92.630
σ		0.156	1.571	1.211	0.370%	0.032	0.540	12.600	42.710	0.639	53.440
%RSD		2.551	380.100	3.844	0.416	3.087	19.070	55.960	1.399	61.310	57.690

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:12	149.800	0.422	23.290	21.210	6.673	6.822	0.234	0.120	0.099	1.109

2	16:42:58	72.540	0.202	11.210	9.509	2.640	3.121	0.173	0.321	0.290	1.048
3	16:44:43	46.440	0.134	6.821	5.349	1.339	1.711	0.197	0.356	0.208	0.899
x		89.600	0.253	13.770	12.020	3.551	3.884	0.201	0.266	0.199	1.019
σ		53.770	0.151	8.531	8.225	2.781	2.640	0.031	0.127	0.096	0.108
%RSD		60.000	59.600	61.940	68.410	78.330	67.950	15.400	47.900	48.160	10.640

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:12	87.823%	0.662	87.356%	2.142	1.098	1.763	-0.021	0.484	87.171%	0.061
2	16:42:58	88.434%	0.363	90.942%	2.134	1.052	1.761	0.027	0.518	91.384%	0.032
3	16:44:43	88.949%	0.283	91.777%	2.134	1.239	1.762	-0.144	0.396	92.333%	0.025
x		88.402%	0.436	90.025%	2.137	1.129	1.762	-0.046	0.466	90.296%	0.040
σ		0.564%	0.200	2.349%	0.005	0.097	0.001	0.089	0.063	2.748%	0.019
%RSD		0.638	45.840	2.609	0.216	8.615	0.059	193.000	13.440	3.043	47.890

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:41:12	1.013	0.875	89.824%	90.546%	2.312	0.392	0.075	93.812%	0.000	0.000
2	16:42:58	1.011	0.825	91.578%	91.866%	2.229	0.309	0.070	94.930%	0.000	0.000
3	16:44:43	1.002	0.830	91.488%	91.898%	2.208	0.285	0.071	95.582%	0.000	0.000
x		1.008	0.843	90.963%	91.436%	2.250	0.329	0.072	94.775%	0.000	0.000
σ		0.006	0.027	0.988%	0.772%	0.055	0.056	0.003	0.895%	0.000	0.000
%RSD		0.580	3.221	1.086	0.844	2.455	17.110	3.744	0.944	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:00	83.954%	132.200	151.000	149.500	0.000	5405.000	4996.000	4997.000	5165.000	0.000
2	16:52:45	84.571%	132.500	149.500	151.800	0.000	5426.000	5030.000	5235.000	5181.000	0.000
3	16:54:31	84.600%	135.300	152.300	153.400	0.000	5490.000	5066.000	5266.000	5211.000	0.000
x		84.375%	133.300	150.900	151.600	0.000	5440.000	5030.000	5166.000	5186.000	0.000
σ		0.365%	1.679	1.388	1.953	0.000	44.180	34.930	147.500	23.270	0.000
%RSD		0.433	1.259	0.920	1.289	0.000	0.812	0.694	2.855	0.449	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:00	5060.000	5269.000	4901.000	88.314%	125.200	113.100	127.200	4000.000	129.300	5087.000
2	16:52:45	5120.000	5286.000	4884.000	90.010%	123.000	114.800	122.800	3827.000	128.500	5077.000
3	16:54:31	5152.000	5297.000	4928.000	89.462%	124.200	115.700	121.900	3813.000	129.700	5144.000
x		5111.000	5284.000	4905.000	89.262%	124.100	114.500	124.000	3880.000	129.200	5103.000
σ		46.830	14.240	22.060	0.866%	1.101	1.324	2.844	104.000	0.589	36.390
%RSD		0.916	0.269	0.450	0.970	0.887	1.156	2.294	2.680	0.456	0.713

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:00	5010.000	124.300	132.200	124.900	121.100	123.500	122.600	122.100	122.200	125.800
2	16:52:45	4952.000	124.200	129.000	122.700	120.200	123.600	122.200	122.500	123.600	126.100
3	16:54:31	4996.000	125.400	129.700	122.600	120.500	121.900	122.900	122.400	125.700	124.800
x		4986.000	124.600	130.300	123.400	120.600	123.000	122.600	122.300	123.800	125.600
σ		30.590	0.687	1.673	1.311	0.417	0.950	0.335	0.194	1.782	0.680
%RSD		0.614	0.551	1.284	1.063	0.346	0.772	0.273	0.159	1.439	0.541

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:00	87.270%	124.800	85.835%	115.200	2.085	119.000	118.500	129.500	85.262%	125.100
2	16:52:45	89.216%	125.200	91.363%	119.400	1.909	121.100	119.700	129.700	91.156%	125.900
3	16:54:31	89.826%	126.200	92.088%	119.800	1.887	123.400	121.100	130.500	91.818%	126.900
x		88.771%	125.400	89.762%	118.100	1.960	121.200	119.800	129.900	89.412%	126.000
σ		1.335%	0.747	3.420%	2.551	0.108	2.181	1.322	0.573	3.609%	0.871
%RSD		1.504	0.595	3.810	2.160	5.522	1.800	1.104	0.441	4.036	0.692

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:00	125.300	137.200	89.126%	89.510%	117.800	121.300	123.600	92.170%	0.000	0.000
2	16:52:45	125.800	137.800	92.189%	92.125%	119.000	123.500	123.600	95.278%	0.000	0.000
3	16:54:31	127.400	139.600	92.293%	92.434%	119.000	123.200	122.800	96.732%	0.000	0.000
x		126.200	138.200	91.203%	91.356%	118.600	122.700	123.400	94.726%	0.000	0.000

σ		1.085	1.219	1.799%	1.606%	0.746	1.162	0.444	2.330%	0.000	0.000
%RSD		0.860	0.882	1.973	1.758	0.629	0.947	0.360	2.460	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:48	85.532%	0.096	2.293	2.160	0.000	-10.950	1.413	-0.137	4.757	0.000
2	17:02:33	86.697%	0.058	1.846	1.539	0.000	-11.950	0.625	-1.653	3.461	0.000
3	17:04:18	85.451%	0.054	1.984	1.455	0.000	-12.360	0.166	-2.098	3.017	0.000
x		85.893%	0.069	2.041	1.718	0.000	-11.750	0.735	-1.296	3.745	0.000
σ		0.697%	0.024	0.229	0.385	0.000	0.726	0.631	1.028	0.904	0.000
%RSD		0.811	33.910	11.220	22.420	0.000	6.172	85.820	79.320	24.150	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:48	9.368	-3.384	-30.990	89.065%	1.053	0.685	10.690	3070.000	0.483	40.720
2	17:02:33	7.842	-3.064	-31.620	89.505%	1.052	1.749	9.431	2954.000	0.376	34.770
3	17:04:18	7.459	-2.770	-31.950	90.233%	1.104	2.042	8.970	2918.000	0.339	32.690
x		8.223	-3.073	-31.520	89.601%	1.070	1.492	9.698	2981.000	0.399	36.060
σ		1.010	0.307	0.486	0.590%	0.030	0.714	0.892	79.460	0.075	4.168
%RSD		12.280	10.000	1.541	0.658	2.813	47.850	9.198	2.666	18.730	11.560

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:48	43.010	0.161	5.947	4.898	1.089	1.450	0.288	0.608	0.119	0.988
2	17:02:33	35.830	0.114	5.116	3.970	0.805	1.155	0.195	0.326	0.338	1.475
3	17:04:18	33.260	0.097	4.800	3.941	0.728	1.143	0.054	0.380	0.425	1.215
x		37.360	0.124	5.288	4.270	0.874	1.249	0.179	0.438	0.294	1.226
σ		5.054	0.033	0.592	0.544	0.191	0.174	0.118	0.149	0.158	0.244
%RSD		13.530	26.910	11.200	12.740	21.800	13.910	66.000	34.120	53.590	19.860

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:48	87.427%	0.511	85.864%	2.176	1.137	1.814	0.018	0.526	85.443%	0.110
2	17:02:33	88.919%	0.425	91.348%	2.152	1.124	1.779	-0.015	0.484	91.352%	0.072
3	17:04:18	89.256%	0.358	92.008%	2.146	1.068	1.770	0.014	0.515	92.649%	0.053
x		88.534%	0.431	89.740%	2.158	1.110	1.788	0.006	0.509	89.815%	0.078
σ		0.973%	0.077	3.373%	0.016	0.037	0.023	0.018	0.022	3.841%	0.029
%RSD		1.099	17.850	3.758	0.740	3.293	1.303	299.700	4.264	4.276	37.060

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:48	1.079	0.930	87.694%	88.470%	2.449	0.533	0.130	91.199%	0.000	0.000
2	17:02:33	1.056	0.828	90.904%	91.303%	2.327	0.429	0.094	94.015%	0.000	0.000
3	17:04:18	1.053	0.866	91.566%	91.446%	2.274	0.353	0.079	95.302%	0.000	0.000
x		1.063	0.875	90.055%	90.406%	2.350	0.439	0.101	93.505%	0.000	0.000
σ		0.014	0.052	2.071%	1.679%	0.090	0.091	0.026	2.099%	0.000	0.000
%RSD		1.340	5.914	2.300	1.857	3.815	20.710	25.930	2.244	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:37	89.959%	0.356	12.070	10.750	0.000	8693.000	2833.000	2840.000	8551.000	0.000
2	17:12:23	90.767%	0.342	10.390	11.210	0.000	8909.000	2858.000	2852.000	8657.000	0.000
3	17:14:08	91.294%	0.350	10.810	11.240	0.000	8809.000	2831.000	2842.000	8634.000	0.000
x		90.673%	0.349	11.090	11.060	0.000	8804.000	2841.000	2845.000	8614.000	0.000
σ		0.672%	0.007	0.872	0.275	0.000	108.100	15.320	6.577	55.840	0.000
%RSD		0.741	1.910	7.861	2.487	0.000	1.228	0.539	0.231	0.648	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:37	647.600	14780.000	14240.000	96.452%	92.920	113.000	13.040	16850.000	375.600	4907.000
2	17:12:23	647.500	14860.000	14290.000	97.450%	92.440	114.900	11.680	16310.000	379.000	4961.000
3	17:14:08	646.600	15110.000	14290.000	98.641%	93.180	107.800	11.530	16010.000	376.800	4938.000
x		647.200	14920.000	14280.000	97.514%	92.850	111.900	12.090	16390.000	377.100	4935.000
		0.540	173.900	29.910	1.096%	0.377	3.688	0.833	425.600	1.769	1429

σ											
%RSD		0.083	1.166	0.210	1.124	0.406	3.296	6.889	2.597	0.469	0.550
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:37	4864.000	3.031	7.871	6.220	62.680	64.550	51.580	1.747	0.769	2.261
2	17:12:23	4905.000	3.141	7.139	5.228	62.760	63.510	51.840	2.811	-0.388	2.305
3	17:14:08	4893.000	3.077	7.414	5.067	62.940	63.320	52.200	1.542	-0.496	1.613
x		4888.000	3.083	7.475	5.505	62.790	63.790	51.870	2.033	-0.038	2.060
σ		21.220	0.055	0.370	0.625	0.130	0.663	0.312	0.681	0.701	0.388
%RSD		0.434	1.788	4.944	11.340	0.207	1.040	0.601	33.510	1825.000	18.830
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:37	97.015%	0.918	88.109%	4.455	2.510	3.699	-0.096	0.952	88.346%	1.821
2	17:12:23	99.823%	0.856	94.335%	4.420	2.457	3.683	-0.068	0.948	94.787%	1.863
3	17:14:08	100.292%	0.819	95.212%	4.444	2.374	3.692	-0.065	1.055	96.397%	1.738
x		99.043%	0.864	92.552%	4.440	2.447	3.691	-0.077	0.985	93.177%	1.807
σ		1.772%	0.050	3.872%	0.018	0.069	0.008	0.017	0.060	4.260%	0.064
%RSD		1.789	5.786	4.184	0.405	2.805	0.219	22.650	6.124	4.572	3.514
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:10:37	2.729	56.330	92.433%	92.818%	4.554	0.706	22.480	97.865%	0.000	0.000
2	17:12:23	2.654	56.170	95.965%	96.151%	4.495	0.673	22.920	100.844%	0.000	0.000
3	17:14:08	2.620	56.250	96.695%	97.026%	4.515	0.646	22.950	101.835%	0.000	0.000
x		2.668	56.250	95.031%	95.332%	4.521	0.675	22.780	100.181%	0.000	0.000
σ		0.056	0.080	2.279%	2.220%	0.030	0.030	0.262	2.066%	0.000	0.000
%RSD		2.090	0.143	2.398	2.329	0.663	4.496	1.150	2.062	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:20:28	91.917%	0.060	5.015	5.132	0.000	4362.000	2026.000	2028.000	78.840	0.000
2	17:22:13	93.889%	0.108	4.152	4.302	0.000	4339.000	2003.000	2019.000	80.490	0.000
3	17:23:58	95.373%	0.048	6.521	4.604	0.000	4340.000	2009.000	2028.000	77.750	0.000
x		93.726%	0.072	5.229	4.679	0.000	4347.000	2013.000	2025.000	79.030	0.000
σ		1.733%	0.031	1.199	0.420	0.000	12.780	11.890	5.431	1.376	0.000
%RSD		1.849	43.800	22.930	8.971	0.000	0.294	0.591	0.268	1.742	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:20:28	951.200	7976.000	7630.000	94.158%	5.561	107.400	12.710	19670.000	14.050	124.100
2	17:22:13	959.900	8047.000	7633.000	94.791%	4.898	118.600	11.310	19750.000	14.150	119.200
3	17:23:58	951.100	7828.000	7598.000	95.969%	5.775	117.900	11.060	19490.000	14.250	117.800
x		954.100	7951.000	7620.000	94.973%	5.411	114.700	11.690	19640.000	14.150	120.400
σ		5.021	111.700	19.770	0.919%	0.457	6.263	0.888	132.400	0.101	3.302
%RSD		0.526	1.406	0.259	0.968	8.449	5.463	7.591	0.674	0.711	2.743
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:20:28	140.100	0.238	6.964	5.177	32.650	34.250	21.450	1.490	0.588	1.877
2	17:22:13	133.600	0.210	6.149	3.979	31.400	32.380	21.210	-0.015	0.888	1.991
3	17:23:58	139.800	0.200	5.817	3.719	32.440	33.280	20.860	1.287	0.024	2.506
x		137.800	0.216	6.310	4.292	32.160	33.300	21.170	0.921	0.500	2.124
σ		3.640	0.020	0.591	0.778	0.666	0.931	0.300	0.817	0.439	0.335
%RSD		2.641	9.243	9.358	18.110	2.070	2.797	1.416	88.700	87.650	15.790
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:20:28	92.063%	0.845	90.625%	4.318	2.183	3.558	0.020	1.014	90.231%	0.913
2	17:22:13	94.218%	0.766	96.975%	4.295	2.278	3.562	-0.070	0.970	97.040%	0.884
3	17:23:58	95.725%	0.743	98.055%	4.301	2.176	3.557	-0.001	1.024	99.843%	0.889
x		94.002%	0.785	95.218%	4.304	2.213	3.559	-0.017	1.003	95.705%	0.895
σ		1.841%	0.053	4.014%	0.012	0.057	0.003	0.047	0.029	4.943%	0.015
%RSD		1.958	6.780	4.216	0.277	2.582	0.077	279.900	2.856	5.165	1.720
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:20:28	2.571	16.940	93.694%	94.483%	4.259	0.434	1.583	99.700%	0.000	0.000
2	17:22:13	2.596	16.770	97.360%	97.536%	4.280	0.436	1.557	102.337%	0.000	0.000
3	17:23:58	2.609	16.570	98.490%	98.228%	4.281	0.412	1.549	104.015%	0.000	0.000
x		2.592	16.760	96.514%	96.749%	4.273	0.427	1.563	102.017%	0.000	0.000
σ		0.019	0.184	2.507%	1.993%	0.012	0.013	0.018	2.175%	0.000	0.000
%RSD		0.742	1.095	2.598	2.060	0.288	3.128	1.129	2.132	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:18	92.593%	0.030	4.624	3.697	0.000	7576.000	1079.000	1078.000	166.100	0.000
2	17:32:03	93.841%	0.049	5.058	4.203	0.000	7495.000	1070.000	1080.000	163.500	0.000
3	17:33:49	95.266%	0.058	4.968	4.734	0.000	7544.000	1081.000	1081.000	162.500	0.000
x		93.900%	0.045	4.883	4.211	0.000	7538.000	1077.000	1080.000	164.000	0.000
σ		1.337%	0.014	0.229	0.519	0.000	40.500	5.774	1.198	1.862	0.000
%RSD		1.424	31.590	4.692	12.320	0.000	0.537	0.536	0.111	1.135	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:18	321.200	13800.000	13250.000	95.489%	9.450	114.300	32.730	19270.000	345.400	1144.000
2	17:32:03	319.700	14060.000	13300.000	96.339%	9.934	123.000	26.050	19370.000	344.100	1112.000
3	17:33:49	319.400	13790.000	13250.000	96.612%	8.846	123.600	19.860	19380.000	347.000	1093.000
x		320.100	13880.000	13270.000	96.147%	9.410	120.300	26.220	19340.000	345.500	1116.000
σ		0.974	152.500	29.160	0.586%	0.545	5.191	6.434	61.110	1.440	25.480
%RSD		0.304	1.098	0.220	0.609	5.792	4.315	24.540	0.316	0.417	2.282

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:18	1141.000	0.833	18.920	16.480	25.400	26.660	15.030	1.709	0.571	1.210
2	17:32:03	1119.000	0.816	14.440	12.140	24.300	24.680	15.520	0.005	0.304	1.784
3	17:33:49	1089.000	0.701	10.750	7.928	23.060	24.510	15.540	1.648	-1.076	2.269
x		1116.000	0.783	14.700	12.180	24.250	25.280	15.360	1.121	-0.067	1.754
σ		26.390	0.072	4.095	4.277	1.171	1.193	0.286	0.967	0.884	0.530
%RSD		2.365	9.158	27.850	35.110	4.831	4.719	1.864	86.290	1319.000	30.200

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:18	92.406%	0.559	89.870%	4.258	2.383	3.516	-0.204	0.839	89.911%	1.186
2	17:32:03	94.461%	0.454	95.727%	4.279	2.190	3.509	-0.026	0.974	95.681%	1.121
3	17:33:49	94.844%	0.459	96.011%	4.273	2.272	3.502	-0.071	0.918	97.893%	1.168
x		93.904%	0.491	93.869%	4.270	2.282	3.509	-0.100	0.911	94.495%	1.158
σ		1.311%	0.059	3.467%	0.011	0.097	0.007	0.093	0.068	4.121%	0.034
%RSD		1.396	12.030	3.693	0.253	4.230	0.200	92.500	7.428	4.361	2.914

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:18	2.667	24.430	93.556%	93.796%	4.202	0.335	1.241	97.550%	0.000	0.000
2	17:32:03	2.718	24.460	97.223%	97.395%	4.193	0.349	1.264	100.995%	0.000	0.000
3	17:33:49	2.737	24.860	97.979%	98.214%	4.147	0.335	1.252	101.902%	0.000	0.000
x		2.707	24.580	96.253%	96.468%	4.181	0.339	1.252	100.149%	0.000	0.000
σ		0.036	0.237	2.366%	2.350%	0.030	0.008	0.011	2.296%	0.000	0.000
%RSD		1.344	0.963	2.458	2.436	0.708	2.388	0.912	2.293	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:09	92.494%	0.059	3.760	4.710	0.000	5711.000	2259.000	2267.000	21.820	0.000
2	17:41:55	94.203%	0.117	3.557	3.669	0.000	5725.000	2247.000	2261.000	19.840	0.000
3	17:43:40	94.214%	0.078	4.424	3.994	0.000	5701.000	2251.000	2265.000	20.150	0.000
x		93.637%	0.085	3.914	4.124	0.000	5712.000	2252.000	2264.000	20.600	0.000
σ		0.990%	0.029	0.454	0.532	0.000	12.090	6.133	2.942	1.063	0.000
%RSD		1.057	34.580	11.590	12.910	0.000	0.212	0.272	0.130	5.160	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

1	17:40:09	1156.000	11140.000	10670.000	95.060%	3.407	113.200	88.070	19520.000	51.900	1539.000
2	17:41:55	1124.000	11190.000	10730.000	95.665%	3.783	125.600	28.920	19580.000	49.770	1290.000
3	17:43:40	1170.000	11250.000	10800.000	95.207%	3.503	127.800	21.640	19870.000	49.810	1264.000
x		1150.000	11190.000	10730.000	95.311%	3.564	122.200	46.210	19650.000	50.490	1364.000
σ		23.400	58.950	66.590	0.316%	0.195	7.848	36.430	185.200	1.218	151.900
%RSD		2.035	0.527	0.620	0.331	5.483	6.421	78.840	0.943	2.413	11.130

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:09	1519.000	0.946	49.990	44.810	71.230	72.900	29.850	1.576	0.561	1.858
2	17:41:55	1273.000	0.340	15.790	13.100	60.660	62.270	30.700	0.144	-0.202	1.708
3	17:43:40	1257.000	0.267	11.380	9.394	59.120	60.550	29.700	0.544	-0.420	2.327
x		1350.000	0.518	25.720	22.430	63.670	65.240	30.090	0.755	-0.021	1.964
σ		147.000	0.373	21.140	19.460	6.590	6.689	0.540	0.739	0.515	0.323
%RSD		10.890	71.980	82.180	86.760	10.350	10.250	1.794	97.950	2501.000	16.430

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:09	91.536%	1.609	89.969%	4.273	2.295	3.496	-0.135	0.908	90.205%	2.053
2	17:41:55	93.895%	0.919	95.634%	4.270	2.194	3.501	-0.030	0.961	96.191%	2.037
3	17:43:40	94.412%	0.778	96.455%	4.254	2.242	3.519	-0.064	0.929	97.635%	2.079
x		93.281%	1.102	94.019%	4.266	2.243	3.505	-0.076	0.933	94.677%	2.056
σ		1.533%	0.444	3.531%	0.010	0.050	0.012	0.054	0.027	3.939%	0.021
%RSD		1.643	40.330	3.756	0.243	2.249	0.343	70.460	2.891	4.161	1.030

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:40:09	2.548	5.684	93.080%	93.812%	4.155	0.301	1.462	96.983%	0.000	0.000
2	17:41:55	2.663	5.363	96.923%	97.033%	4.139	0.307	1.470	99.974%	0.000	0.000
3	17:43:40	2.673	5.352	97.176%	97.560%	4.149	0.291	1.458	101.343%	0.000	0.000
x		2.628	5.467	95.726%	96.135%	4.148	0.300	1.463	99.433%	0.000	0.000
σ		0.070	0.189	2.295%	2.029%	0.008	0.008	0.006	2.230%	0.000	0.000
%RSD		2.651	3.450	2.398	2.111	0.198	2.623	0.401	2.243	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:58	93.866%	0.108	5.133	3.520	0.000	4400.000	2039.000	2053.000	80.170	0.000
2	17:51:44	93.645%	0.108	4.576	4.340	0.000	4400.000	2047.000	2049.000	80.060	0.000
3	17:53:29	94.902%	0.058	5.511	4.353	0.000	4363.000	2021.000	2029.000	79.360	0.000
x		94.138%	0.091	5.074	4.071	0.000	4388.000	2036.000	2044.000	79.870	0.000
σ		0.671%	0.029	0.471	0.477	0.000	21.270	13.110	12.800	0.437	0.000
%RSD		0.713	31.470	9.276	11.720	0.000	0.485	0.644	0.626	0.548	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:58	954.800	8088.000	7681.000	93.909%	4.739	118.500	14.740	19720.000	14.830	132.100
2	17:51:44	986.700	8014.000	7627.000	95.493%	5.566	128.200	28.100	19670.000	15.320	189.000
3	17:53:29	942.500	7925.000	7639.000	96.198%	5.282	129.600	21.400	19570.000	14.910	158.400
x		961.400	8009.000	7649.000	95.200%	5.196	125.500	21.410	19650.000	15.020	159.900
σ		22.820	81.230	27.970	1.172%	0.420	6.065	6.677	78.690	0.266	28.490
%RSD		2.374	1.014	0.366	1.231	8.087	4.834	31.180	0.400	1.768	17.820

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:58	149.600	0.241	6.658	4.855	46.510	47.410	15.500	0.740	1.186	1.260
2	17:51:44	199.400	0.364	14.660	12.600	47.950	49.600	15.000	0.893	-0.205	1.466
3	17:53:29	172.600	0.304	10.310	8.369	46.600	48.630	14.980	-0.429	0.406	1.878
x		173.900	0.303	10.540	8.609	47.020	48.550	15.160	0.402	0.462	1.535
σ		24.960	0.062	4.005	3.881	0.807	1.100	0.294	0.723	0.697	0.315
%RSD		14.350	20.460	37.990	45.070	1.717	2.266	1.937	180.000	150.800	20.510

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:58	91.430%	0.691	89.945%	4.321	2.149	3.555	0.006	1.014	89.997%	1.374
2	17:51:44	94.294%	0.931	95.738%	4.315	2.144	3.582	0.030	1.045	95.827%	1.466
3	17:53:29	95.563%	0.910	96.964%	4.311	2.234	3.574	-0.077	0.958	98.109%	1.432

X		93.762%	0.844	94.216%	4.316	2.176	3.570	-0.013	1.006	94.644%	1.423
σ		2.117%	0.133	3.749%	0.005	0.051	0.014	0.056	0.044	4.183%	0.046
%RSD		2.258	15.760	3.979	0.110	2.321	0.391	416.100	4.416	4.420	3.238
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:49:58	2.555	17.090	93.062%	93.699%	4.142	0.281	1.340	96.732%	0.000	0.000
2	17:51:44	2.693	17.240	96.663%	96.726%	4.124	0.274	1.310	100.479%	0.000	0.000
3	17:53:29	2.669	16.730	97.618%	97.657%	4.122	0.270	1.345	100.997%	0.000	0.000
X		2.639	17.020	95.781%	96.027%	4.129	0.275	1.331	99.403%	0.000	0.000
σ		0.074	0.263	2.403%	2.069%	0.011	0.006	0.019	2.327%	0.000	0.000
%RSD		2.790	1.546	2.509	2.155	0.267	2.065	1.436	2.341	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:46	93.991%	0.059	6.027	4.030	0.000	8259.000	4190.000	4216.000	8.655	0.000
2	18:01:32	95.725%	0.029	4.368	3.471	0.000	8245.000	4156.000	4163.000	8.758	0.000
3	18:03:17	96.498%	0.067	5.743	4.647	0.000	8202.000	4125.000	4151.000	8.469	0.000
X		95.405%	0.051	5.379	4.049	0.000	8235.000	4157.000	4177.000	8.627	0.000
σ		1.284%	0.020	0.887	0.589	0.000	29.610	32.400	34.900	0.146	0.000
%RSD		1.346	38.870	16.490	14.530	0.000	0.360	0.779	0.836	1.695	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:46	2131.000	M 43120.000	M 43800.000	94.922%	3.047	120.900	6.657	20670.000	193.100	37.190
2	18:01:32	2114.000	M 42570.000	M 43740.000	97.188%	3.260	131.200	7.023	21270.000	190.600	36.580
3	18:03:17	2117.000	M 42790.000	M 43950.000	96.835%	3.392	138.700	7.297	21540.000	192.300	36.620
X		2120.000	M 42830.000	M 43830.000	96.315%	3.233	130.300	6.992	21160.000	192.000	36.790
σ		9.145	M 277.700	M 104.200	1.219%	0.174	8.924	0.321	440.900	1.249	0.339
%RSD		0.431	M 0.648	M 0.238	1.266	5.383	6.850	4.594	2.084	0.651	0.920
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:46	201.500	-0.065	3.118	1.036	15.970	17.360	97.630	1.729	0.142	2.107
2	18:01:32	189.800	-0.088	3.161	1.089	15.890	16.940	96.360	2.630	-0.236	1.822
3	18:03:17	188.900	-0.070	3.543	1.109	15.900	16.750	97.420	1.249	-0.328	2.082
X		193.400	-0.074	3.274	1.078	15.920	17.020	97.140	1.869	-0.141	2.004
σ		7.008	0.012	0.234	0.037	0.046	0.310	0.677	0.701	0.249	0.158
%RSD		3.623	16.470	7.150	3.477	0.291	1.824	0.697	37.520	176.900	7.879
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:46	91.944%	1.689	89.021%	4.241	2.321	3.492	-0.145	0.888	89.304%	1.039
2	18:01:32	94.459%	1.645	95.969%	4.266	2.212	3.501	-0.045	0.955	96.044%	1.031
3	18:03:17	95.154%	1.659	95.940%	4.257	2.469	3.501	-0.282	0.811	97.444%	0.994
X		93.852%	1.664	93.643%	4.254	2.334	3.498	-0.158	0.885	94.264%	1.021
σ		1.689%	0.022	4.003%	0.013	0.129	0.005	0.119	0.072	4.352%	0.024
%RSD		1.800	1.347	4.275	0.303	5.521	0.142	75.310	8.125	4.617	2.338
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:46	2.666	151.300	93.009%	93.362%	4.080	0.231	1.279	95.789%	0.000	0.000
2	18:01:32	2.687	150.600	96.378%	96.774%	4.066	0.245	1.290	99.334%	0.000	0.000
3	18:03:17	2.687	149.000	97.311%	97.280%	4.095	0.245	1.270	100.348%	0.000	0.000
X		2.680	150.300	95.566%	95.805%	4.080	0.240	1.280	98.490%	0.000	0.000
σ		0.012	1.184	2.263%	2.131%	0.015	0.008	0.010	2.394%	0.000	0.000
%RSD		0.460	0.788	2.368	2.224	0.363	3.238	0.787	2.431	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:09:34	92.969%	0.049	5.318	4.920	0.000	11020.000	6707.000	6724.000	9.115	0.000
2	18:11:19	94.063%	0.029	5.862	4.374	0.000	10930.000	6670.000	6705.000	9.173	0.000
3	18:13:05	94.376%	0.146	5.466	4.547	0.000	11020.000	6697.000	6723.000	9.083	0.000
		93.803%	0.075	5.549	4.614	0.000	10990.000	6691.000	6717.000	9.124	0.000

x						0.000	51.590	19.370	10.610	0.046	0.000
σ		0.739%	0.062	0.281	0.279	0.000	0.469	0.290	0.158	0.499	0.000
%RSD		0.788	83.290	5.071	6.046	0.000					
Run	**Time**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**	**55Mn**	**56Fe**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:09:34	2829.000	M 35580.000	M 33650.000	94.610%	3.588	126.300	10.190	21040.000	M 535.900	306.400
2	18:11:19	2836.000	M 35530.000	M 33780.000	95.272%	3.661	134.600	13.700	20980.000	M 536.100	318.900
3	18:13:05	2834.000	M 35560.000	M 33660.000	95.966%	3.549	134.600	13.030	20840.000	M 537.500	348.300
x		2833.000	M 35560.000	M 33700.000	95.283%	3.599	131.900	12.310	20950.000	M 536.500	324.500
σ		3.559	M 24.230	M 73.020	0.678%	0.057	4.826	1.864	103.300	M 0.884	21.500
%RSD		0.126	M 0.068	M 0.217	0.711	1.587	3.660	15.140	0.493	M 0.165	6.624
Run	**Time**	**57Fe**	**59Co**	**60Ni**	**62Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:09:34	439.500	0.409	5.275	3.544	20.120	21.090	36.270	1.044	-0.556	1.838
2	18:11:19	450.400	0.473	7.438	4.886	20.930	21.620	36.210	1.725	-0.979	2.048
3	18:13:05	445.100	0.455	6.863	4.996	20.640	21.430	35.990	1.488	-0.294	1.670
x		445.000	0.446	6.525	4.475	20.560	21.380	36.160	1.419	-0.610	1.852
σ		5.481	0.033	1.121	0.809	0.409	0.267	0.149	0.346	0.346	0.189
%RSD		1.232	7.486	17.170	18.070	1.991	1.250	0.411	24.360	56.700	10.200
Run	**Time**	**89Y**	**95Mo**	**103Rh**	**107Ag**	**108Mo O**	**109Ag**	**111Cd**	**114Cd**	**115In**	**118Sn**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:09:34	90.424%	0.999	88.487%	4.239	2.461	3.477	-0.274	0.795	88.713%	0.848
2	18:11:19	93.253%	0.973	94.308%	4.228	2.556	3.478	-0.357	0.722	94.932%	0.970
3	18:13:05	93.757%	0.955	95.640%	4.239	2.348	3.479	-0.170	0.879	96.577%	0.898
x		92.478%	0.976	92.812%	4.236	2.455	3.478	-0.267	0.798	93.407%	0.905
σ		1.797%	0.022	3.804%	0.007	0.104	0.001	0.094	0.079	4.148%	0.061
%RSD		1.943	2.271	4.099	0.155	4.234	0.026	35.220	9.840	4.441	6.786
Run	**Time**	**121Sb**	**137Ba**	**159Tb**	**165Ho**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:09:34	2.622	24.740	92.221%	92.506%	4.074	0.227	0.850	95.287%	0.000	0.000
2	18:11:19	2.669	24.380	95.695%	95.919%	4.097	0.228	0.859	98.464%	0.000	0.000
3	18:13:05	2.691	24.680	96.364%	96.856%	4.075	0.226	0.852	99.467%	0.000	0.000
x		2.660	24.600	94.760%	95.094%	4.082	0.227	0.854	97.739%	0.000	0.000
σ		0.035	0.191	2.224%	2.289%	0.013	0.001	0.005	2.182%	0.000	0.000
%RSD		1.332	0.777	2.347	2.407	0.322	0.482	0.565	2.232	0.000	0.000

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Run	**Time**	**6Li**	**9Be**	**10B**	**11B**	**13C**	**23Na**	**25Mg**	**26Mg**	**27Al**	**37Cl**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:19:22	85.497%	133.600	142.700	147.200	0.000	5400.000	4947.000	4970.000	5139.000	0.000
2	18:21:07	84.390%	136.300	146.000	152.200	0.000	5510.000	5034.000	5026.000	5218.000	0.000
3	18:22:53	85.904%	132.100	150.400	151.500	0.000	5419.000	4985.000	5246.000	5179.000	0.000
x		85.264%	134.000	146.400	150.300	0.000	5443.000	4988.000	5081.000	5179.000	0.000
σ		0.783%	2.160	3.839	2.673	0.000	59.090	43.380	146.100	39.620	0.000
%RSD		0.919	1.612	2.623	1.778	0.000	1.086	0.870	2.876	0.765	0.000
Run	**Time**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**	**51V**	**52Cr**	**53Cl O**	**55Mn**	**56Fe**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:19:22	5055.000	5281.000	4882.000	88.717%	125.300	114.000	122.500	3985.000	129.600	5098.000
2	18:21:07	5144.000	5234.000	4947.000	89.146%	125.600	114.800	122.600	3884.000	130.200	5156.000
3	18:22:53	5100.000	5200.000	4910.000	89.593%	126.800	114.000	120.800	3877.000	129.300	5159.000
x		5100.000	5238.000	4913.000	89.152%	125.900	114.300	122.000	3915.000	129.700	5138.000
σ		44.280	40.790	32.630	0.438%	0.795	0.459	1.033	60.230	0.454	34.580
%RSD		0.868	0.779	0.664	0.492	0.631	0.402	0.847	1.538	0.350	0.673
Run	**Time**	**57Fe**	**59Co**	**60Ni**	**62Ni**	**63Cu**	**65Cu**	**66Zn**	**75As**	**78Se**	**82Se**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	18:19:22	4987.000	124.900	129.700	122.300	120.400	122.900	122.100	122.600	122.000	125.000
2	18:21:07	5009.000	124.700	129.000	124.700	120.300	122.300	122.800	123.100	124.900	124.000
3	18:22:53	4986.000	125.000	129.500	123.500	121.100	122.500	123.400	123.900	124.500	125.600
x		4994.000	124.900	129.400	123.500	120.600	122.600	122.700	123.200	123.800	124.800
σ		12.690	0.161	0.353	1.203	0.441	0.329	0.630	0.703	1.581	0.802
%RSD		0.254	0.129	0.273	0.974	0.366	0.269	0.513	0.570	1.277	0.642

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:22	87.154%	125.100	85.670%	115.600	1.680	119.000	118.100	128.300	85.560%	125.200
2	18:21:07	88.642%	126.700	90.227%	120.400	1.438	122.300	119.600	130.700	90.280%	126.200
3	18:22:53	88.461%	126.900	90.483%	120.500	1.862	124.200	121.400	129.900	91.529%	125.700
X		88.086%	126.200	88.793%	118.900	1.660	121.800	119.700	129.600	89.123%	125.700
σ		0.812%	1.008	2.708%	2.809	0.213	2.643	1.639	1.255	3.148%	0.513
%RSD		0.922	0.799	3.050	2.363	12.830	2.169	1.369	0.968	3.532	0.408

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:19:22	125.300	138.200	88.625%	89.017%	117.200	121.600	123.300	92.052%	0.000	0.000
2	18:21:07	127.100	139.400	91.045%	91.616%	119.300	123.100	123.500	94.989%	0.000	0.000
3	18:22:53	126.800	138.300	91.856%	91.842%	119.800	123.900	123.700	95.436%	0.000	0.000
X		126.400	138.700	90.509%	90.825%	118.800	122.900	123.500	94.159%	0.000	0.000
σ		0.987	0.674	1.681%	1.570%	1.357	1.172	0.232	1.838%	0.000	0.000
%RSD		0.781	0.486	1.857	1.728	1.142	0.954	0.188	1.952	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:09	86.498%	0.080	1.999	1.890	0.000	-11.970	1.484	-0.019	4.593	0.000
2	18:30:55	84.885%	0.027	1.510	1.950	0.000	-12.150	-0.009	-2.075	3.401	0.000
3	18:32:40	86.404%	0.058	1.693	1.737	0.000	-13.100	0.040	-2.623	2.957	0.000
X		85.929%	0.055	1.734	1.859	0.000	-12.410	0.505	-1.572	3.650	0.000
σ		0.905%	0.026	0.247	0.110	0.000	0.608	0.848	1.373	0.846	0.000
%RSD		1.053	48.150	14.240	5.899	0.000	4.900	167.900	87.300	23.170	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:09	9.181	-2.087	-30.480	88.351%	1.170	2.414	10.360	3144.000	0.483	42.330
2	18:30:55	7.357	-5.008	-32.560	89.385%	1.037	1.264	9.615	3088.000	0.390	37.680
3	18:32:40	6.107	-2.305	-32.060	89.712%	1.159	2.698	9.253	3046.000	0.367	36.700
X		7.548	-3.133	-31.700	89.149%	1.122	2.125	9.744	3093.000	0.413	38.910
σ		1.546	1.627	1.086	0.710%	0.074	0.759	0.567	49.130	0.061	3.008
%RSD		20.480	51.930	3.425	0.797	6.578	35.720	5.816	1.589	14.810	7.733

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:09	43.390	0.175	5.708	4.551	0.983	1.300	0.309	0.181	-0.015	0.500
2	18:30:55	36.450	0.116	5.238	4.084	0.808	1.169	0.263	0.025	0.383	0.739
3	18:32:40	35.070	0.100	4.971	3.995	0.706	1.045	0.212	0.620	0.428	1.057
X		38.300	0.130	5.305	4.210	0.832	1.172	0.261	0.276	0.265	0.765
σ		4.458	0.040	0.373	0.299	0.140	0.127	0.048	0.309	0.244	0.280
%RSD		11.640	30.380	7.028	7.095	16.870	10.880	18.430	112.100	91.860	36.550

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:09	86.613%	0.481	85.420%	2.175	1.149	1.802	-0.018	0.495	84.604%	0.094
2	18:30:55	88.528%	0.369	90.820%	2.137	1.125	1.764	-0.011	0.475	89.789%	0.057
3	18:32:40	89.093%	0.322	91.171%	2.135	1.056	1.768	0.028	0.516	91.886%	0.066
X		88.078%	0.391	89.137%	2.149	1.110	1.778	-0.000	0.495	88.760%	0.073
σ		1.300%	0.082	3.224%	0.023	0.048	0.021	0.025	0.021	3.748%	0.019
%RSD		1.476	20.880	3.617	1.053	4.346	1.164	11680.000	4.169	4.223	26.460

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:29:09	1.064	0.860	86.818%	87.146%	2.361	0.453	0.119	90.120%	0.000	0.000
2	18:30:55	1.020	0.841	90.102%	90.421%	2.268	0.347	0.083	93.412%	0.000	0.000
3	18:32:40	1.030	0.879	90.739%	91.193%	2.214	0.290	0.076	94.214%	0.000	0.000
X		1.038	0.860	89.220%	89.587%	2.281	0.363	0.093	92.582%	0.000	0.000
σ		0.023	0.019	2.105%	2.149%	0.074	0.082	0.023	2.170%	0.000	0.000
%RSD		2.248	2.187	2.359	2.398	3.251	22.670	24.900	2.343	0.000	0.000

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Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:58	91.480%	0.090	12.730	13.450	0.000	9906.000	2621.000	2627.000	16.990	0.000
2	18:40:43	93.939%	0.078	12.660	13.000	0.000	9875.000	2584.000	2588.000	16.660	0.000
3	18:42:28	93.069%	0.118	12.860	12.850	0.000	9935.000	2611.000	2625.000	17.310	0.000
x		92.830%	0.096	12.750	13.100	0.000	9905.000	2606.000	2613.000	16.990	0.000
σ		1.247%	0.021	0.102	0.312	0.000	30.370	19.460	22.080	0.325	0.000
%RSD		1.343	21.510	0.799	2.381	0.000	0.307	0.747	0.845	1.912	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:58	353.000	16450.000	15720.000	91.860%	3.383	135.900	5.951	21980.000	398.300	241.800
2	18:40:43	343.700	16350.000	15510.000	94.505%	3.196	136.500	5.519	21320.000	392.400	232.900
3	18:42:28	344.100	16240.000	15590.000	94.584%	3.340	137.400	6.313	21100.000	396.300	265.300
x		347.000	16350.000	15600.000	93.650%	3.306	136.600	5.928	21470.000	395.700	246.600
σ		5.209	108.900	103.000	1.551%	0.098	0.746	0.397	454.300	3.001	16.770
%RSD		1.501	0.666	0.660	1.656	2.962	0.546	6.702	2.116	0.759	6.798

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:58	290.500	2.055	2.684	0.899	34.740	35.560	19.110	1.831	0.998	2.917
2	18:40:43	278.300	1.957	2.639	0.448	33.730	35.270	19.370	1.289	0.147	1.934
3	18:42:28	286.000	2.097	2.876	1.203	34.540	35.590	19.030	1.536	-1.094	1.593
x		284.900	2.036	2.733	0.850	34.340	35.470	19.170	1.552	0.017	2.148
σ		6.140	0.072	0.126	0.380	0.539	0.174	0.174	0.271	1.052	0.688
%RSD		2.155	3.529	4.605	44.740	1.569	0.490	0.908	17.480	6253.000	32.010

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:58	89.850%	0.392	87.618%	4.225	2.097	3.483	0.167	1.154	87.666%	1.517
2	18:40:43	93.192%	0.333	94.001%	4.239	2.185	3.491	0.122	1.081	93.935%	1.620
3	18:42:28	93.073%	0.362	95.086%	4.244	2.292	3.486	0.021	1.045	96.082%	1.507
x		92.039%	0.362	92.235%	4.236	2.192	3.487	0.103	1.093	92.561%	1.548
σ		1.896%	0.029	4.035%	0.010	0.098	0.004	0.075	0.056	4.373%	0.062
%RSD		2.060	8.092	4.375	0.231	4.466	0.115	72.240	5.098	4.724	4.023

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl20	5Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:58	2.616	30.000	90.691%	90.771%	4.290	0.438	1.173	95.087%	0.000	0.000
2	18:40:43	2.671	30.250	95.001%	94.842%	4.261	0.412	1.180	98.500%	0.000	0.000
3	18:42:28	2.694	30.080	95.980%	96.341%	4.212	0.381	1.194	99.939%	0.000	0.000
x		2.661	30.110	93.891%	93.985%	4.254	0.410	1.182	97.842%	0.000	0.000
σ		0.040	0.127	2.814%	2.882%	0.040	0.028	0.010	2.492%	0.000	0.000
%RSD		1.505	0.420	2.997	3.066	0.930	6.908	0.878	2.547	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:46	92.555%	0.040	5.054	5.088	0.000	4427.000	2036.000	2020.000	8.238	0.000
2	18:50:32	93.768%	0.059	5.286	5.170	0.000	4472.000	2023.000	2029.000	8.901	0.000
3	18:52:17	95.140%	0.019	4.328	4.878	0.000	4380.000	1995.000	2019.000	8.498	0.000
x		93.821%	0.039	4.889	5.045	0.000	4426.000	2018.000	2023.000	8.546	0.000
σ		1.293%	0.020	0.500	0.151	0.000	46.030	20.850	5.754	0.334	0.000
%RSD		1.378	50.290	10.230	2.985	0.000	1.040	1.033	0.284	3.909	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:46	991.500	7859.000	7640.000	94.227%	3.332	124.500	9.489	20760.000	12.840	37.010
2	18:50:32	969.500	7975.000	7729.000	94.818%	3.018	133.100	12.470	20650.000	13.370	49.790
3	18:52:17	950.000	7799.000	7564.000	96.450%	3.085	131.400	12.100	20250.000	13.170	46.310
x		970.300	7878.000	7645.000	95.165%	3.145	129.600	11.350	20550.000	13.130	44.370
σ		20.760	89.170	82.490	1.151%	0.165	4.565	1.626	268.200	0.264	6.609
%RSD		2.140	1.132	1.079	1.210	5.254	3.521	14.320	1.305	2.008	14.890

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:46	49.970	0.148	5.003	2.792	26.040	26.920	17.560	0.597	0.462	2.262

2	18:50:32	59.030	0.194	6.741	4.976	26.330	27.520	17.000	0.953	-0.436	1.934
3	18:52:17	59.110	0.168	6.357	4.063	26.590	27.900	17.250	0.214	-0.781	1.654
x		56.030	0.170	6.034	3.944	26.320	27.450	17.270	0.588	-0.252	1.950
σ		5.255	0.023	0.913	1.097	0.276	0.494	0.279	0.370	0.641	0.304
%RSD		9.377	13.700	15.140	27.810	1.049	1.800	1.615	62.860	254.800	15.600

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:46	91.538%	0.697	89.942%	4.252	2.387	3.508	-0.191	0.833	89.204%	1.425
2	18:50:32	93.803%	0.772	95.706%	4.272	2.188	3.514	0.026	0.981	95.870%	1.491
3	18:52:17	94.724%	0.690	96.999%	4.268	2.375	3.521	-0.153	0.895	97.458%	1.396
x		93.355%	0.720	94.216%	4.264	2.317	3.514	-0.106	0.903	94.177%	1.437
σ		1.639%	0.045	3.757%	0.011	0.111	0.007	0.116	0.075	4.380%	0.049
%RSD		1.756	6.311	3.988	0.253	4.809	0.191	109.700	8.249	4.651	3.394

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:48:46	2.556	17.110	92.418%	92.530%	4.112	0.303	1.475	96.448%	0.000	0.000
2	18:50:32	2.631	16.860	95.649%	96.322%	4.135	0.305	1.435	99.829%	0.000	0.000
3	18:52:17	2.645	16.860	97.033%	97.666%	4.125	0.274	1.482	101.606%	0.000	0.000
x		2.611	16.950	95.033%	95.506%	4.124	0.294	1.464	99.294%	0.000	0.000
σ		0.048	0.145	2.368%	2.663%	0.012	0.018	0.025	2.620%	0.000	0.000
%RSD		1.831	0.855	2.492	2.789	0.280	5.956	1.721	2.639	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:36	94.641%	0.068	6.605	4.607	0.000	7611.000	1112.000	1107.000	10.590	0.000
2	19:00:21	95.420%	0.058	4.709	5.010	0.000	7589.000	1109.000	1114.000	10.650	0.000
3	19:02:07	93.781%	0.039	4.758	4.873	0.000	7703.000	1120.000	1116.000	10.540	0.000
x		94.614%	0.055	5.358	4.830	0.000	7634.000	1114.000	1112.000	10.590	0.000
σ		0.820%	0.015	1.080	0.205	0.000	60.460	5.365	4.681	0.055	0.000
%RSD		0.866	26.590	20.170	4.237	0.000	0.792	0.482	0.421	0.519	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:36	325.500	14680.000	13960.000	95.762%	3.740	114.600	11.660	19680.000	346.200	96.880
2	19:00:21	325.700	14620.000	14030.000	95.926%	3.692	129.800	19.550	19620.000	349.200	131.700
3	19:02:07	326.700	14840.000	14090.000	96.344%	3.399	130.000	22.810	19430.000	349.000	146.900
x		326.000	14710.000	14030.000	96.011%	3.610	124.800	18.010	19570.000	348.100	125.200
σ		0.642	114.600	64.330	0.300%	0.185	8.805	5.732	130.200	1.674	25.650
%RSD		0.197	0.779	0.459	0.313	5.111	7.055	31.830	0.665	0.481	20.500

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:36	141.000	0.453	9.718	7.176	13.610	14.600	24.010	0.286	-0.548	1.916
2	19:00:21	173.600	0.539	14.090	12.260	14.740	15.850	24.300	1.279	0.105	1.765
3	19:02:07	188.400	0.591	16.330	15.010	15.640	16.520	23.990	0.932	-0.755	1.970
x		167.600	0.528	13.380	11.480	14.660	15.650	24.100	0.832	-0.399	1.884
σ		24.250	0.070	3.364	3.974	1.021	0.974	0.172	0.504	0.449	0.106
%RSD		14.470	13.240	25.140	34.610	6.963	6.220	0.713	60.540	112.400	5.645

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:36	92.159%	0.277	90.525%	4.228	2.215	3.479	-0.053	0.958	90.124%	0.585
2	19:00:21	94.129%	0.355	96.077%	4.232	2.372	3.469	-0.172	0.852	96.868%	0.704
3	19:02:07	95.371%	0.488	96.755%	4.246	2.086	3.477	0.074	1.063	97.604%	0.659
x		93.886%	0.373	94.452%	4.235	2.224	3.475	-0.050	0.958	94.865%	0.649
σ		1.620%	0.107	3.418%	0.009	0.143	0.005	0.123	0.105	4.123%	0.060
%RSD		1.725	28.540	3.619	0.216	6.423	0.140	244.300	11.000	4.346	9.259

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl20	5Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:58:36	2.567	21.290	92.831%	93.246%	4.101	0.234	1.431	96.957%	0.000	0.000
2	19:00:21	2.636	20.870	96.130%	96.718%	4.069	0.232	1.423	100.104%	0.000	0.000
3	19:02:07	2.648	20.490	97.467%	97.687%	4.069	0.231	1.408	101.634%	0.000	0.000
x		2.617	20.880	95.476%	95.884%	4.080	0.232	1.421	99.565%	0.000	0.000

σ		0.044	0.396	2.387%	2.335%	0.019	0.002	0.011	2.384%	0.000	0.000
%RSD		1.676	1.897	2.500	2.435	0.457	0.647	0.796	2.395	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:26	94.796%	0.077	5.635	4.647	0.000	5680.000	2211.000	2228.000	8.325	0.000
2	19:10:11	95.069%	0.048	4.787	4.943	0.000	5739.000	2214.000	2209.000	8.241	0.000
3	19:11:57	94.818%	0.048	3.901	4.907	0.000	5738.000	2205.000	2217.000	8.285	0.000
x		94.894%	0.058	4.774	4.833	0.000	5719.000	2210.000	2218.000	8.284	0.000
σ		0.152%	0.017	0.867	0.162	0.000	33.760	4.334	9.227	0.042	0.000
%RSD		0.160	29.030	18.160	3.341	0.000	0.590	0.196	0.416	0.505	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:26	1171.000	11470.000	10790.000	95.197%	3.461	122.100	9.186	19570.000	45.630	585.900
2	19:10:11	1180.000	11250.000	10800.000	96.451%	3.142	125.200	9.447	19650.000	45.830	584.300
3	19:11:57	1173.000	11350.000	10790.000	96.636%	3.139	131.600	9.745	19640.000	46.210	583.900
x		1175.000	11360.000	10790.000	96.095%	3.247	126.300	9.460	19620.000	45.890	584.700
σ		4.850	107.000	4.035	0.783%	0.185	4.848	0.280	45.490	0.296	1.038
%RSD		0.413	0.942	0.037	0.815	5.704	3.839	2.956	0.232	0.645	0.178

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:26	629.300	0.111	5.498	3.180	45.220	46.830	33.700	0.672	0.314	1.954
2	19:10:11	615.900	0.136	5.323	3.556	44.230	45.660	33.300	1.092	0.096	1.319
3	19:11:57	611.300	0.115	5.448	3.997	44.240	46.280	33.360	0.469	0.416	1.490
x		618.800	0.121	5.423	3.578	44.560	46.260	33.460	0.744	0.276	1.587
σ		9.377	0.014	0.090	0.409	0.570	0.589	0.215	0.318	0.164	0.329
%RSD		1.515	11.210	1.658	11.430	1.279	1.273	0.643	42.730	59.500	20.700

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:26	92.684%	0.542	91.125%	4.215	2.393	3.484	-0.209	0.791	90.531%	1.721
2	19:10:11	94.668%	0.651	96.485%	4.220	2.467	3.476	-0.259	0.769	96.704%	1.770
3	19:11:57	95.580%	0.562	96.958%	4.251	2.289	3.485	-0.105	0.924	97.593%	1.839
x		94.311%	0.585	94.856%	4.229	2.383	3.481	-0.191	0.828	94.943%	1.776
σ		1.481%	0.058	3.240%	0.019	0.090	0.005	0.078	0.084	3.847%	0.059
%RSD		1.570	9.916	3.416	0.460	3.759	0.136	41.030	10.100	4.052	3.345

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:08:26	2.652	5.568	93.440%	93.762%	4.062	0.196	1.220	97.181%	0.000	0.000
2	19:10:11	2.703	5.144	96.659%	96.405%	4.067	0.197	1.268	99.806%	0.000	0.000
3	19:11:57	2.695	5.467	97.141%	97.489%	4.054	0.196	1.280	101.514%	0.000	0.000
x		2.683	5.393	95.747%	95.885%	4.061	0.196	1.256	99.500%	0.000	0.000
σ		0.027	0.222	2.012%	1.917%	0.007	0.001	0.032	2.182%	0.000	0.000
%RSD		1.020	4.111	2.101	2.000	0.161	0.401	2.524	2.193	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:16	94.079%	0.059	4.941	4.558	0.000	4338.000	2022.000	2019.000	7.649	0.000
2	19:20:01	94.989%	0.068	4.496	4.933	0.000	4408.000	2020.000	2032.000	7.806	0.000
3	19:21:47	95.034%	0.106	4.946	4.601	0.000	4386.000	2030.000	2050.000	7.496	0.000
x		94.701%	0.077	4.794	4.697	0.000	4377.000	2024.000	2034.000	7.650	0.000
σ		0.539%	0.025	0.258	0.205	0.000	35.710	5.501	15.540	0.155	0.000
%RSD		0.569	32.710	5.388	4.373	0.000	0.816	0.272	0.764	2.026	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:16	938.300	7836.000	7602.000	95.591%	3.556	119.900	13.620	19440.000	13.100	54.500
2	19:20:01	945.000	7980.000	7629.000	96.093%	3.560	120.600	12.940	19740.000	13.090	51.810
3	19:21:47	950.300	8041.000	7658.000	96.048%	3.032	126.800	13.150	19720.000	13.080	52.320
x		944.500	7952.000	7630.000	95.910%	3.383	122.400	13.240	19630.000	13.090	52.880
		6.009	105.300	28.180	0.278%	0.303	3.835	0.344	166.800	0.011	1.4

σ		0.636	1.324	0.369	0.290	8.973	3.133	2.601	0.850	0.084	2.711
%RSD											
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:16	66.670	0.229	8.138	6.555	19.730	20.740	21.400	1.266	0.962	2.507
2	19:20:01	64.870	0.242	7.891	6.090	19.460	20.610	21.450	0.301	-0.118	2.046
3	19:21:47	65.380	0.213	7.651	5.463	19.610	21.310	22.010	0.221	-0.602	1.154
x		65.640	0.228	7.893	6.036	19.600	20.890	21.620	0.596	0.081	1.902
σ		0.931	0.014	0.243	0.548	0.136	0.373	0.340	0.582	0.800	0.688
%RSD		1.418	6.253	3.081	9.078	0.695	1.784	1.571	97.560	992.100	36.150
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:16	92.306%	0.732	90.345%	4.245	2.387	3.484	-0.169	0.865	90.406%	0.438
2	19:20:01	94.805%	0.739	97.045%	4.267	2.185	3.494	-0.016	1.008	97.124%	0.449
3	19:21:47	95.298%	0.738	97.803%	4.255	2.162	3.501	0.019	1.021	98.511%	0.404
x		94.136%	0.736	95.064%	4.256	2.245	3.493	-0.055	0.965	95.347%	0.430
σ		1.604%	0.004	4.105%	0.011	0.124	0.008	0.100	0.086	4.335%	0.024
%RSD		1.704	0.545	4.318	0.253	5.520	0.243	180.200	8.937	4.547	5.496
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:18:16	2.595	16.470	92.782%	93.534%	4.034	0.184	0.991	96.705%	0.000	0.000
2	19:20:01	2.637	16.680	96.761%	96.967%	4.040	0.187	0.985	100.651%	0.000	0.000
3	19:21:47	2.614	16.770	97.793%	97.680%	4.021	0.183	0.999	101.749%	0.000	0.000
x		2.615	16.640	95.779%	96.060%	4.032	0.185	0.992	99.702%	0.000	0.000
σ		0.021	0.154	2.646%	2.217%	0.009	0.002	0.007	2.653%	0.000	0.000
%RSD		0.818	0.924	2.763	2.308	0.235	1.206	0.688	2.661	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:06	95.093%	0.039	6.602	5.042	0.000	8277.000	4112.000	4164.000	12.440	0.000
2	19:29:52	95.839%	0.019	5.002	5.036	0.000	8320.000	4148.000	4158.000	12.160	0.000
3	19:31:37	97.345%	0.047	5.259	5.320	0.000	8261.000	4092.000	4104.000	12.180	0.000
x		96.092%	0.035	5.621	5.133	0.000	8286.000	4117.000	4142.000	12.260	0.000
σ		1.147%	0.014	0.859	0.162	0.000	30.350	28.680	33.130	0.157	0.000
%RSD		1.194	41.080	15.290	3.160	0.000	0.366	0.697	0.800	1.276	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:06	2132.000	M 42870.000	M 44380.000	95.977%	3.535	121.700	5.579	20630.000	195.800	42.180
2	19:29:52	2140.000	M 43010.000	M 44130.000	97.653%	3.647	135.500	7.066	21170.000	195.500	47.160
3	19:31:37	2145.000	M 43240.000	M 44180.000	97.187%	3.838	142.700	8.746	21440.000	195.200	49.940
x		2139.000	M 43040.000	M 44230.000	96.939%	3.673	133.300	7.130	21080.000	195.500	46.420
σ		6.401	M 187.600	M 133.500	0.865%	0.153	10.660	1.585	414.400	0.289	3.930
%RSD		0.299	M 0.436	M 0.302	0.892	4.171	8.001	22.220	1.966	0.148	8.464
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:06	196.400	-0.074	3.558	1.743	5.188	6.090	101.200	1.697	0.961	1.194
2	19:29:52	192.200	-0.093	4.693	2.460	5.371	6.414	100.900	1.615	0.014	1.933
3	19:31:37	200.400	-0.021	5.546	3.938	5.761	6.501	101.800	0.567	0.288	1.674
x		196.300	-0.063	4.599	2.714	5.440	6.335	101.300	1.293	0.421	1.600
σ		4.123	0.037	0.997	1.119	0.293	0.217	0.460	0.630	0.487	0.375
%RSD		2.100	59.350	21.690	41.240	5.378	3.420	0.454	48.730	115.700	23.450
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:06	92.742%	1.681	90.446%	4.214	2.358	3.465	-0.183	0.846	90.239%	0.121
2	19:29:52	95.307%	1.761	96.806%	4.223	2.688	3.462	-0.492	0.611	96.831%	0.173
3	19:31:37	95.547%	1.787	96.973%	4.229	2.292	3.459	-0.113	0.905	98.250%	0.182
x		94.532%	1.743	94.742%	4.222	2.446	3.462	-0.263	0.787	95.107%	0.158
σ		1.555%	0.055	3.721%	0.008	0.212	0.003	0.202	0.156	4.275%	0.033
%RSD		1.645	3.158	3.928	0.184	8.673	0.078	76.670	19.800	4.495	20.730
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:28:06	2.567	152.800	92.910%	93.209%	4.035	0.168	1.022	96.480%	0.000	0.000
2	19:29:52	2.661	151.200	96.627%	96.547%	4.039	0.171	1.007	100.046%	0.000	0.000
3	19:31:37	2.599	152.600	96.713%	97.241%	4.043	0.173	1.023	100.426%	0.000	0.000
x		2.609	152.200	95.417%	95.666%	4.039	0.171	1.017	98.984%	0.000	0.000
σ		0.047	0.906	2.171%	2.156%	0.004	0.002	0.009	2.177%	0.000	0.000
%RSD		1.819	0.595	2.276	2.254	0.095	1.371	0.886	2.199	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:58	94.667%	0.058	4.636	4.837	0.000	10540.000	3660.000	3659.000	20.730	0.000
2	19:39:43	93.620%	0.029	5.493	4.538	0.000	10650.000	3661.000	3678.000	20.680	0.000
3	19:41:28	94.848%	0.029	5.518	4.312	0.000	10590.000	3659.000	3678.000	20.450	0.000
x		94.378%	0.039	5.216	4.562	0.000	10590.000	3660.000	3672.000	20.620	0.000
σ		0.663%	0.017	0.502	0.263	0.000	50.870	1.189	10.760	0.148	0.000
%RSD		0.703	43.070	9.625	5.765	0.000	0.480	0.032	0.293	0.716	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:58	643.200	M 36810.000	M 34550.000	95.183%	6.305	104.400	39.070	17830.000	376.100	231.000
2	19:39:43	640.000	M 36900.000	M 37770.000	95.945%	6.152	108.900	31.320	17770.000	373.800	199.100
3	19:41:28	642.000	M 37000.000	M 34610.000	96.084%	6.131	117.200	19.800	17560.000	376.000	149.500
x		641.800	M 36900.000	M 35640.000	95.738%	6.196	110.200	30.070	17720.000	375.300	193.200
σ		1.615	M 97.290	M 1844.000	0.485%	0.095	6.534	9.696	143.200	1.339	41.060
%RSD		0.252	M 0.264	M 5.174	0.507	1.534	5.932	32.250	0.808	0.357	21.250

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:58	380.500	0.321	23.390	20.850	16.770	18.120	M 903.500	0.850-	0.499	1.509
2	19:39:43	328.800	0.242	18.330	15.520	15.500	16.970	M 902.900	1.997-	0.962	2.445
3	19:41:28	284.500	0.116	11.880	10.050	13.630	14.330	M 906.900	0.827-	0.219	2.461
x		331.300	0.226	17.870	15.480	15.300	16.470	M 904.500	1.224	-0.560	2.138
σ		48.040	0.103	5.772	5.402	1.580	1.940	M 2.144	0.669	0.375	0.545
%RSD		14.500	45.640	32.310	34.910	10.330	11.780	M 0.237	54.640	67.020	25.490

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:58	90.774%	0.865	89.688%	4.213	2.647	3.455	-0.465	0.634	89.058%	0.257
2	19:39:43	93.130%	0.585	94.869%	4.228	2.324	3.465	-0.149	0.875	95.391%	0.268
3	19:41:28	93.670%	0.499	96.510%	4.199	2.474	3.457	-0.315	0.770	96.579%	0.225
x		92.525%	0.650	93.689%	4.213	2.482	3.459	-0.310	0.760	93.676%	0.250
σ		1.540%	0.191	3.561%	0.015	0.162	0.005	0.158	0.121	4.043%	0.022
%RSD		1.664	29.420	3.801	0.349	6.529	0.156	51.020	15.930	4.316	8.966

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:58	2.560	20.350	92.246%	92.258%	3.984	0.148	1.310	96.735%	0.000	0.000
2	19:39:43	2.621	20.190	95.106%	95.777%	4.003	0.153	1.285	99.170%	0.000	0.000
3	19:41:28	2.634	19.150	96.296%	96.573%	4.000	0.148	1.295	100.189%	0.000	0.000
x		2.605	19.900	94.549%	94.869%	3.996	0.150	1.297	98.698%	0.000	0.000
σ		0.039	0.651	2.082%	2.296%	0.010	0.003	0.013	1.775%	0.000	0.000
%RSD		1.511	3.273	2.202	2.421	0.242	1.941	0.984	1.798	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:46	86.143%	134.500	145.900	147.500	0.000	5434.000	5027.000	5005.000	5196.000	0.000
2	19:49:32	85.516%	134.200	151.200	152.600	0.000	5463.000	5017.000	5304.000	5207.000	0.000
3	19:51:17	85.956%	132.300	150.200	152.000	0.000	5469.000	5013.000	5319.000	5250.000	0.000
x		85.872%	133.700	149.100	150.700	0.000	5455.000	5019.000	5209.000	5218.000	0.000
σ		0.322%	1.196	2.831	2.782	0.000	18.970	7.106	177.100	28.230	0.000
%RSD		0.375	0.895	1.899	1.847	0.000	0.348	0.142	3.399	0.541	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:46	5154.000	5328.000	4924.000	88.330%	125.300	114.900	124.400	4113.000	131.200	5210.000
2	19:49:32	5173.000	5338.000	4936.000	89.151%	126.300	114.900	122.000	3990.000	129.500	5177.000
3	19:51:17	5209.000	5280.000	4965.000	88.870%	124.400	115.100	123.200	3995.000	130.800	5216.000
X		5179.000	5315.000	4942.000	88.783%	125.300	115.000	123.200	4033.000	130.500	5201.000
σ		27.980	31.000	21.270	0.418%	0.981	0.129	1.192	69.950	0.912	20.810
%RSD		0.540	0.583	0.430	0.470	0.782	0.112	0.968	1.735	0.699	0.400

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:46	5044.000	126.000	132.000	123.700	122.000	124.100	123.700	123.200	127.200	126.400
2	19:49:32	4998.000	124.500	130.600	120.400	120.800	123.300	122.400	124.700	124.300	125.300
3	19:51:17	5027.000	125.200	130.800	120.400	120.100	122.900	123.700	122.700	125.200	125.500
X		5023.000	125.200	131.100	121.500	120.900	123.500	123.300	123.500	125.600	125.700
σ		23.340	0.749	0.765	1.884	0.945	0.623	0.727	1.022	1.460	0.564
%RSD		0.465	0.598	0.584	1.550	0.781	0.505	0.589	0.827	1.163	0.448

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:46	87.088%	125.800	86.688%	116.400	1.874	119.600	119.200	129.200	86.296%	125.600
2	19:49:32	88.901%	126.400	90.700%	119.900	1.744	122.000	119.600	130.200	91.865%	126.000
3	19:51:17	89.408%	126.500	91.577%	120.300	1.646	124.400	121.300	130.300	92.238%	126.400
X		88.466%	126.200	89.655%	118.900	1.754	122.000	120.000	129.900	90.133%	126.000
σ		1.220%	0.386	2.607%	2.113	0.114	2.385	1.094	0.592	3.328%	0.389
%RSD		1.379	0.306	2.908	1.778	6.517	1.954	0.912	0.456	3.692	0.309

Run	Time	126Te	127I	133Cs	137Ba	138Ba	139La	140Ce	141Pr	146Nd	147Sm
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:46	126.400	139.600	89.448%	89.697%	118.000	122.500	123.800	93.180%	0.000	0.000
2	19:49:32	126.900	138.900	91.302%	91.983%	119.500	123.900	124.100	95.340%	0.000	0.000
3	19:51:17	126.800	139.300	91.891%	91.921%	120.200	124.100	124.000	95.942%	0.000	0.000
X		126.700	139.300	90.880%	91.200%	119.200	123.500	124.000	94.821%	0.000	0.000
σ		0.280	0.347	1.275%	1.302%	1.094	0.832	0.112	1.452%	0.000	0.000
%RSD		0.221	0.249	1.403	1.428	0.918	0.674	0.090	1.532	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	86.264%	0.069	3.500	2.172	0.000	-12.930	0.274	-1.733	3.479	0.000
2	19:59:19	86.799%	0.037	1.649	1.893	0.000	-12.770	0.217	-2.068	3.259	0.000
3	20:01:04	88.149%	0.047	1.696	1.218	0.000	-14.110	0.488	-2.376	3.148	0.000
X		87.071%	0.051	2.282	1.761	0.000	-13.270	0.326	-2.059	3.295	0.000
σ		0.972%	0.016	1.055	0.491	0.000	0.729	0.143	0.322	0.169	0.000
%RSD		1.116	32.260	46.260	27.860	0.000	5.494	43.780	15.630	5.121	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	7.416	-0.655	-31.780	89.296%	1.121	1.615	11.410	3221.000	0.441	46.040
2	19:59:19	6.835	-1.482	-32.490	89.478%	1.159	2.858	10.500	3166.000	0.463	42.290
3	20:01:04	6.379	-3.162	-32.090	90.076%	1.089	2.353	9.916	3150.000	0.419	41.050
X		6.877	-1.766	-32.120	89.617%	1.123	2.275	10.610	3179.000	0.441	43.120
σ		0.520	1.278	0.353	0.408%	0.035	0.625	0.751	37.540	0.022	2.599
%RSD		7.559	72.330	1.100	0.456	3.113	27.480	7.076	1.181	5.079	6.027

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	45.570	0.125	6.451	5.217	1.188	1.561	0.334	0.612	-0.000	0.837
2	19:59:19	38.450	0.123	5.651	4.388	0.973	1.348	0.258	0.453	-0.047	1.037
3	20:01:04	38.580	0.107	5.497	4.262	0.868	1.301	0.278	0.195	0.702	0.791
X		40.870	0.118	5.866	4.622	1.010	1.403	0.290	0.420	0.218	0.888
σ		4.074	0.010	0.512	0.519	0.163	0.139	0.039	0.210	0.420	0.131
%RSD		9.970	8.635	8.731	11.220	16.140	9.872	13.430	50.080	192.300	14.760

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:57:33	87.160%	0.467	86.544%	2.142	1.127	1.765	-0.044	0.484	86.045%	0.077
2	19:59:19	89.113%	0.389	92.237%	2.142	1.078	1.759	0.026	0.522	91.747%	0.066
3	20:01:04	89.811%	0.309	92.795%	2.136	1.140	1.750	-0.048	0.478	92.573%	0.044

X		88.695%	0.388	90.525%	2.140	1.115	1.758	-0.022	0.495	90.122%	0.062
σ		1.374%	0.079	3.459%	0.003	0.033	0.008	0.041	0.024	3.554%	0.017
%RSD		1.549	20.330	3.821	0.149	2.920	0.428	188.500	4.853	3.944	26.660
Run	**Time**	**121Sb**	**137Ba**	**159Tb**	**165Ho**	**203Tl**	**205Tl**	**208Pb**	**209Bi**	**220Bkg**	**238U**
		ppb	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
1	19:57:33	1.053	0.876	87.773%	88.045%	2.300	0.389	0.093	92.254%	0.000	0.000
2	19:59:19	1.028	0.840	90.867%	91.091%	2.257	0.319	0.082	94.705%	0.000	0.000
3	20:01:04	1.031	0.837	91.793%	91.838%	2.177	0.272	0.081	95.963%	0.000	0.000
X		1.037	0.851	90.144%	90.325%	2.245	0.327	0.086	94.308%	0.000	0.000
σ		0.013	0.022	2.105%	2.009%	0.062	0.059	0.007	1.886%	0.000	0.000
%RSD		1.287	2.579	2.335	2.224	2.775	18.050	8.085	2.000	0.000	0.000

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
Analyst: ND Run ID: MA14300
Parameters: Be,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:59	MA14300-STD1	1		STD1
12:06	MA14300-STD2	1		STD2
12:13	MA14300-STD3	1		STD3
12:21	MA14300-STD4	1		STD4
12:34	MA14300-STD5	1		STD5
12:41	MA14300-ICV1	1		
12:49	MA14300-ICB1	1		
12:57	MA14300-CRI1	1		
13:06	MA14300-CCV1	1		
13:14	MA14300-CCB1	1		
13:23	MA14300-ICSA1	1		
13:32	MA14300-ICSAB1	1		
13:41	MA14300-CCV2	1		
13:50	MA14300-CCB2	1		
13:58	MP26788-MB1	2		
14:07	MP26789-MB1	2		
14:16	MP26788-LC1	2		
14:25	MP26789-LC1	2		
14:33	MP26788-S1	5		
14:42	MP26788-S2	5		
14:59	MP26788-SD1	10		
15:07	N74914-9	2		
15:16	MA14300-CCV3	1		
15:24	MA14300-CCB3	1		
15:33	MP26789-S1	5		
15:41	MP26789-S2	5		
15:58	MP26789-SD1	10		
16:07	N74914-9F	2		
16:15	N74914-10	2		
16:23	N74914-11	2		
16:32	N74914-12	2		
16:40	N74914-13	2		
16:49	MA14300-CCV4	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
Analyst: ND Run ID: MA14300
Parameters: Be,Tl

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:57	MA14300-CCB4	1		
17:06	N74914-14	2		
17:14	N74914-15	2		
17:23	N74914-10F	2		
17:32	N74914-11F	2		
17:40	N74914-12F	2		
17:49	N74914-13F	2		
17:58	N74914-14F	2		
18:06	N74914-15F	2		
---------->	Last reportable sample/prep for job N74914			
18:15	ZZZZZZ	1		
18:24	MA14300-CCV5	1		
18:32	MA14300-CCB5	1		
---------->	Last reportable CCB for job N74914			
	Refer to raw data for calibration curve and standards.			

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
Analyst: ND Run ID: MA14300
Parameters: Be,Tl

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
11:59	MA14300-STD1	100 R	100 R	100 R	100 R	100 R	100 R	100 R	100 R
12:06	MA14300-STD2	99.9	99.6	98.61	99.18	99.45	98.99	98.53	99.24
12:13	MA14300-STD3	101.09	100.13	98.9	99.71	99.7	98.82	98.4	99.97
12:21	MA14300-STD4	100.43	99.26	97.89	98.57	98.93	97.83	97.53	99.33
12:34	MA14300-STD5	101.88	99.64	97.6	97.58	98.28	97.71	97.58	97.36
12:41	MA14300-ICV1	102.05	99.83	97.92	98.03	98.37	97.51	97.11	97.71
12:49	MA14300-ICB1	102.14	99.25	97.21	98.59	97.78	96.29	96.15	97.04
12:57	MA14300-CRI1	103.48	100.71	98.05	99.13	98.62	96.68	96.34	97.54
13:06	MA14300-CCV1	102.6	99.8	97.72	98.33	97.8	97	96.95	98.44
13:14	MA14300-CCB1	103.52	99.95	96.61	97.7	96.61	95.42	95.09	96.54
13:23	MA14300-ICSA1	97.12	95.66	94.03	91.46	93.25	95.12	95.21	92.19
13:32	MA14300-ICSAB1	96.32	94.62	93.82	90.89	93.26	95.55	95.7	92.6
13:41	MA14300-CCV2	100.49	96.99	97.46	97.76	98.07	98.98	98.97	100.51
13:50	MA14300-CCB2	99.02	94.65	94.71	95.78	94.89	95.84	96.02	97.96
13:58	MP26788-MB1	103.14	94.91	95.35	95.53	95.38	97.32	97.35	100.96
14:07	MP26789-MB1	103.7	94.62	95.51	95.51	95.39	96.94	97.57	99.89
14:16	MP26788-LC1	104.41	96.23	95.2	95.48	94.96	96.83	97.07	98.3
14:25	MP26789-LC1	104.28	96.93	95.13	94.97	94.37	96.29	96.75	98.78
14:33	MP26788-S1	103.06	97.38	94.65	94.78	94.57	95.12	95.09	96.51
14:42	MP26788-S2	103.23	97.1	94.02	94.72	94.14	94.69	94.74	96.67
14:59	MP26788-SD1	101.28	95.59	92.47	93.43	92.52	92.62	92.59	96.13
15:07	N74914-9	106.29	98.2	94.37	94.66	94.29	95.59	95.67	98.8
15:16	MA14300-CCV3	101.21	95.5	93.48	93.37	92.66	93.9	93.79	95.53
15:24	MA14300-CCB3	100.96	94.97	93.21	93.91	92.7	93.14	93.06	95.07
15:33	MP26789-S1	104.82	98.74	94.98	94.51	94.16	95.02	95.26	96.81
15:41	MP26789-S2	104.24	98.64	94.62	93.89	93.22	94.31	94.17	95.47
15:58	MP26789-SD1	102.12	95.87	93.2	92.97	92.45	93.31	92.92	95.66
16:07	N74914-9F	108.89	100.53	96.15	94.92	94.76	96.61	96.65	98.41
16:15	N74914-10	110.19	100.81	97.61	95.03	95.15	96.72	96.65	97.4
16:23	N74914-11	107.12	99.28	95.67	94.07	93.73	96.14	96.45	96.85
16:32	N74914-12	107.14	99.29	96.16	94.73	94.54	96.31	96.65	97.72
16:40	N74914-13	108.89	99.81	96.6	96.14	95.69	97.57	97.71	99.59
16:49	MA14300-CCV4	102.36	97.44	95.11	94.12	93.59	94.96	94.79	95.86
16:57	MA14300-CCB4	103.56	97.67	94.62	94.64	92.83	93.43	93.39	94.89

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: X081704W2.CSV
Analyst: ND
Parameters: Be,Tl

Date Analyzed: 08/17/04
Run ID: MA14300

Methods: SW846 6020

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
17:06	N74914-14	110.6	101.57	97.32	96.02	95.74	97.39	97.13	98.76
17:14	N74914-15	110.01	101.14	97.74	97.2	96.25	97.41	97.23	99.61
17:23	N74914-10F	113.21	103.26	99.13	97.62	97.14	98.52	98.36	99.07
17:32	N74914-11F	109.75	100.04	97.36	95.55	95.29	97.48	97.73	97.72
17:40	N74914-12F	110.83	101.01	98.07	97.58	96.65	98.01	98.24	99.33
17:49	N74914-13F	111.92	102.73	98.42	97.99	97.28	98.42	98.26	100.01
17:58	N74914-14F	111.95	103.47	99.12	98.01	97.47	98.51	98.53	99.52
18:06	N74914-15F	112.31	102.74	98.42	97.9	96.89	98.16	98.11	99.93
18:15	ZZZZZZ	103.95	99.12	95.33	95.08	93.57	93.36	92.9	94.36
18:24	MA14300-CCV5	104.11	98.15	92.44	90.77	88.77	89.3	88.99	88.16
18:32	MA14300-CCB5	105.64	97.85	91.83	90.67	87.79	87.55	86.96	86.82

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#1	Lithium	30-120 %	80-120 %
Istd#2	Scandium	30-120 %	80-120 %
Istd#3	Yttrium	30-120 %	80-120 %
Istd#4	Rhodium	30-120 %	80-120 %
Istd#5	Indium	30-120 %	80-120 %
Istd#6	Terbium	30-120 %	80-120 %
Istd#7	Holmium	30-120 %	80-120 %
Istd#8	Bismuth	30-120 %	80-120 %

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: X081704W2.CSV Date Analyzed: 08/17/04 Methods: SW846 6020
Analyst: ND Run ID: MA14300

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: ND Date 8/18/04

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date 8/18/04

ACCUTEST.

ICP-MS Analytical Standards Information Log

Analytical Run ID: MA14300

Standard Type	Standard ID
Calibration Standard A	MA - 010 : 252 - STDA
Calibration Standard B	MA - 010 - 253 - STDB
Calibration Standard C	MA - 010 - 254 - STDC
Calibration Standard D	MA - 010 - 255 - STDD
Calibration Standard E	MA - 010 - 256 - STDE
Calibration Standard F	MA - ____ - ____ - STDF
Calibration Standard G	MA - ____ - ____ - STDG
Internal Standard	MA - 010 - 257 - IS
Internal Standard	MA - ____ - ____ - IS
Initial Calibration Check Standard	MA - 011 - 024 - ICV
Initial Calibration Check Standard	MA - 011 - 025 - ICVA
Continuing Calibration Check Standard	MA - 013 - 053 - CCV
Continuing Calibration Check Standard	MA - 013 - 054 - CCVA
Interfering Element ICSA Standard	MA - 017 - 011 - ICSA
Interfering Element ICSAB Standard	MA - 017 - 012 - ICSAB
Low Check Standard	MA - 005 - 036 - CRI
Cross Calibration Standard	MA - 016 - 043 - CR
Tuning Standard	MA 015 - 015 - TUNE
Mass Calibration and Detector Plateau Standard	MA - ____ - ____ - DP

8/16/04

Autotune report

Sequence name : Default Xi tune
Sequence version : 4/5/2004 9:35:06 AM
Acquired at : 8/17/2004 9:22:05 AM

Result : Passed

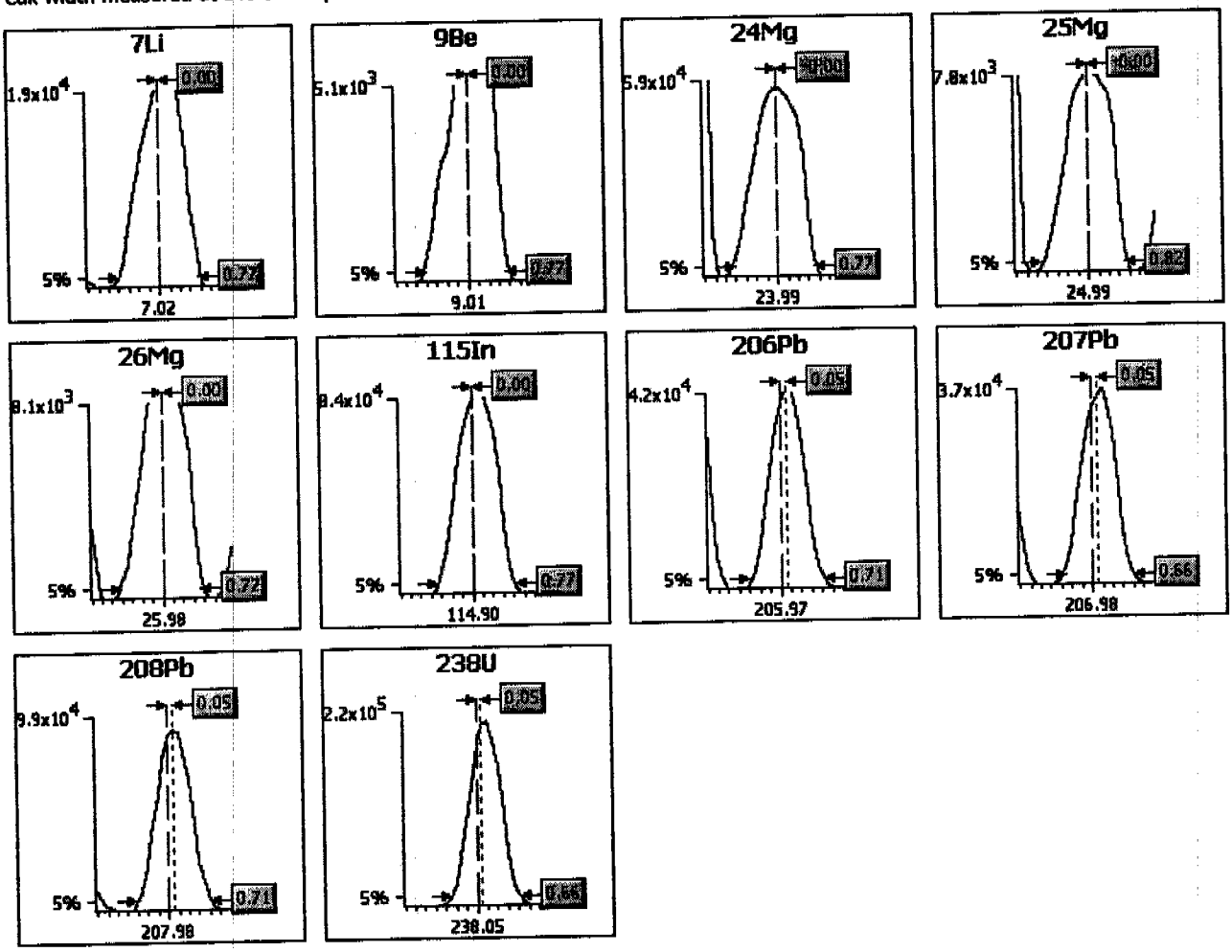
Stage	Analyte	Result
Stages	115In	75667.21
Lenses	115In	97673.31
Nebuliser	115In	92922.93
	156Ce O/140Ce	0.0137

Performance Report

Sample details
Acquired at : 08/17/2004 09:38:46 AM
Report name : IQ XI interface [06/22/2004 11:06:20 AM]

Mass Calibration verification

Acquisition parameters
Sweeps : 10
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	0.85	0.65	0.11	0.77	0.00
9Be	0.85	0.65	0.10	0.77	0.00
24Mg	0.85	0.65	0.11	0.77	-0.00
25Mg	0.85	0.65	0.11	0.82	-0.00
26Mg	0.85	0.65	0.11	0.77	0.00
115In	0.85	0.65	0.11	0.77	0.00
206Pb	0.85	0.65	0.11	0.71	0.05
207Pb	0.85	0.65	0.11	0.66	0.05
208Pb	0.85	0.65	0.11	0.71	0.05
238U	0.85	0.65	0.11	0.66	0.05

Sample details
Acquired at : 08/17/2004 09:38:46 AM
Report name : IQ Xi interface [06/22/2004 11:06:20 AM]

Tune conditions

Major	
Extraction	-161
Lens 1	2.9
Focus	23.5
D1	-33.7
Pole Bias	3.0
Hexapole Bias	-2.0
Nebuliser	0.89
Sampling Depth	130

Minor	
Lens 2	-24.3
Lens 3	-93.3
Forward power	1349
Horizontal	104
Vertical	567
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	105
High resolution	125
Analogue Detector	2196
PC Detector	3618

Sensitivity and stability results

Acquisition parameters
Sweeps : 130

Run	Time	5Bkg	7Li	9Be	24Mg	25Mg	26Mg	56Ar O	59Co	138Ba++
Dwell (mSecs)		100.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	30.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	-
	Countrate	-	>1000	>100	>1000	>1000	>1000	-	-	-
1	09:38:52 AM	0.308	21817.066	6348.865	58892.355	8349.928	9787.881	154891.85	62877.973	449.746
2	09:40:06 AM	0.462	21396.115	6211.155	58906.217	8450.714	9980.227	155888.02	63270.006	453.848
3	09:41:20 AM	0.538	21796.288	6315.783	59325.944	8317.615	9849.432	155587.08	63997.854	466.156
4	09:42:34 AM	0.231	21783.206	6268.085	58844.607	8317.615	9906.366	155242.94	63319.299	469.746
5	09:43:48 AM	0.231	21603.897	6221.926	58741.408	8348.389	9760.183	155573.96	63830.718	473.592
x		0.354	21679.315	6273.163	58942.106	8356.852	9856.818	155436.77	63459.170	462.618
σ		0.14	179.82	59.25	224.10	54.79	89.20	380.64	453.15	10.32
%RSD		39.491	0.829	0.945	0.380	0.656	0.905	0.245	0.714	2.232

Run	Time	101Bkg	115In	138Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		100.0	10.0	10.0	10.0	30.0	10.0	10.0	10.0	100.0
Limits	%RSD	-	5.0%	-	-	-	5.0%	5.0%	5.0%	-
	Countrate	-	>100	-	-	-	>100	>100	>100	<1
1	09:38:52 AM	0.077	91312.534	637.696	65355.763	856.930	46741.838	38601.049	97994.397	0.154
2	09:40:06 AM	0.231	95098.813	660.004	67180.486	876.418	48496.585	39614.918	101217.73	0.385
3	09:41:20 AM	0.308	96570.091	680.774	67527.107	918.470	48918.534	40259.278	102393.97	0.385
4	09:42:34 AM	0.308	96879.920	708.467	68605.496	906.162	49059.441	40538.735	101928.40	0.077
5	09:43:48 AM	0.154	97656.814	711.544	68351.302	869.751	49265.028	40981.403	102923.52	0.077
x		0.215	95503.635	679.697	67404.031	885.546	48496.285	39999.077	101291.60	0.215
σ		0.10	2519.77	31.60	1284.66	25.79	1020.35	925.47	1946.85	0.16
%RSD		46.566	2.638	4.650	1.906	2.912	2.104	2.314	1.922	73.193

Run	Time	238U
Dwell (mSecs)		10.0
Limits	%RSD	5.0%
	Countrate	>100
1	09:38:52 AM	214797.31
2	09:40:06 AM	225044.54
3	09:41:20 AM	229197.19
4	09:42:34 AM	232158.50
5	09:43:48 AM	233639.99
x		226967.51
σ		7553.99
%RSD		3.328

Ratio results

Run	Time	7Li/5Bkg	56Ar O/59Co	115In/101Bkg	156Ce O/140Ce	238U/220Bkg
	Ratio limits	>20000.0000	-	>100000.0000	<0.0300	>100000.0000
1	09:38:52 AM	70905.466	2.463	1187062.9	0.013	1396182.5
2	09:40:06 AM	46358.250	2.464	412094.86	0.013	585115.81
		40478.821	2.431	313852.79	0.014	595912.69

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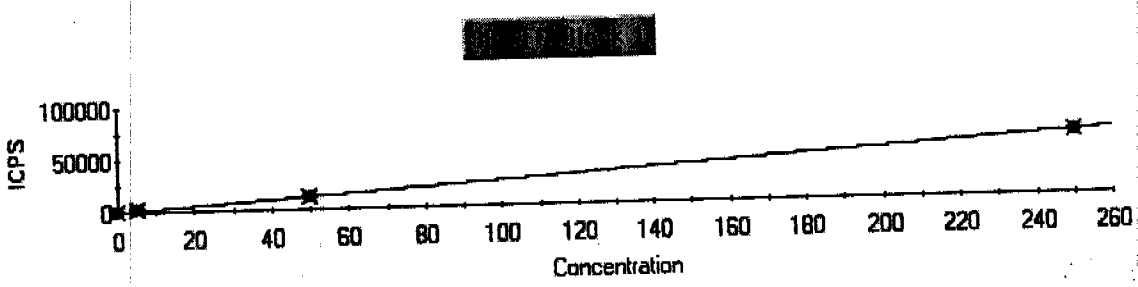
3	09:41:20 AM	94393.891	2.452	314859.74	0.013	3018060.5
4	09:42:34 AM	93616.887	2.437	634769.29	0.013	3037319.9
5	09:43:48 AM	69150.663	2.4495	572527.93	0.0131	1726518.3
x		25399.14	0.01	367617.93	0.00	1232525.07
σ		36.7301	0.6090	64.2096	2.4062	71.3879
%RSD						

Result : The performance report passed.

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	std1 2	Fully Quant Standard	1.00	1	1	1	144
2	std2	Fully Quant Standard	1.00	1	1	2	144
3	std3	Fully Quant Standard	1.00	1	1	3	144
4	std4	Fully Quant Standard	1.00	1	1	4	144
5	std5	Fully Quant Standard	1.00	1	1	5	144
6	icv	Unknown	1.00	1	1	6	144
7	icb	Unknown	1.00	1	1	7	144
8	crl	Unknown	1.00	1	1	8	144
9	ccv	Unknown	1.00	0	1	1	144
10	ccb	Unknown	1.00	0	1	2	144
11	icsa	Unknown	1.00	1	1	9	144
12	icsab	Unknown	1.00	1	1	10	144
13	ccv	Unknown	1.00	0	1	1	144
14	ccb	Unknown	1.00	0	1	2	144
15	mp26788-mb1 df2	Unknown	2.00	1	2	1	144
16	mp26789-mb1 df2	Unknown	2.00	1	2	2	144
17	mp26788-lc1 df2	Unknown	2.00	1	2	3	144
18	mp26789-lc1 df2	Unknown	2.00	1	2	4	144
19	mp26788-s1 df5	Unknown	5.00	1	2	5	144
20	mp26788-s2 df5	Unknown	5.00	1	2	6	144
21	mp26788-sd1 df10	Unknown	10.00	1	2	8	144
22	n74914-9 df2	Unknown	2.00	1	2	7	144
23	ccv	Unknown	1.00	0	1	1	144
24	ccb	Unknown	1.00	0	1	2	144
25	mp26789-s1 df5	Unknown	5.00	1	2	9	144
26	mp26789-s2 df5	Unknown	5.00	1	2	10	144
27	mp26789-sd1 df10	Unknown	10.00	1	2	12	144
28	n74914-9f df2	Unknown	2.00	1	2	11	144
29	n74914-10 df2	Unknown	2.00	1	3	1	144
30	n74914-11 df2	Unknown	2.00	1	3	2	144
31	n74914-12 df2	Unknown	2.00	1	3	3	144
32	n74914-13 df2	Unknown	2.00	1	3	4	144
33	ccv	Unknown	1.00	0	1	1	144
34	ccb	Unknown	1.00	0	1	2	144
35	n74914-14 df2	Unknown	2.00	1	3	5	144
36	n74914-15 df2	Unknown	2.00	1	3	6	144
37	n74914-10f df2	Unknown	2.00	1	3	7	144
38	n74914-11f df2	Unknown	2.00	1	3	8	144
39	n74914-12f df2	Unknown	2.00	1	3	9	144
40	n74914-13f df2	Unknown	2.00	1	3	10	144
41	n74914-14f df2	Unknown	2.00	1	3	11	144
42	n74914-15f df2	Unknown	2.00	1	3	12	144
43	n74914-fbconf	Unknown	2.00	1	4	1	144
44	ccv	Unknown	1.00	0	1	1	144
45	ccb	Unknown	1.00	0	1	2	144

Fully Quant Calibration

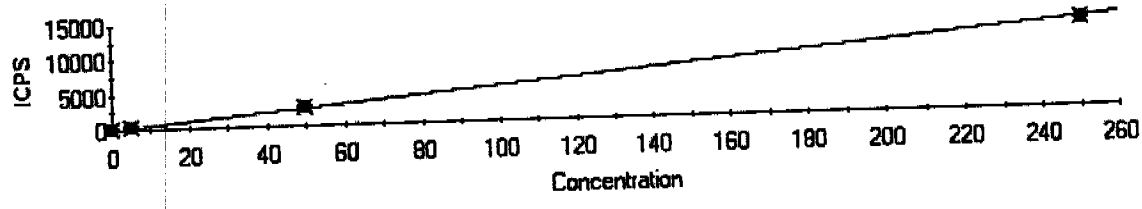


Intercept CPS=13.144809 Intercept Conc=0.053420
Sensitivity=246.063758 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.00	0.001	3.00	0.00
std2	5.00	5.08	0.081	262.26	1.53
std3	50.00	50.03	0.031	2323.77	0.06

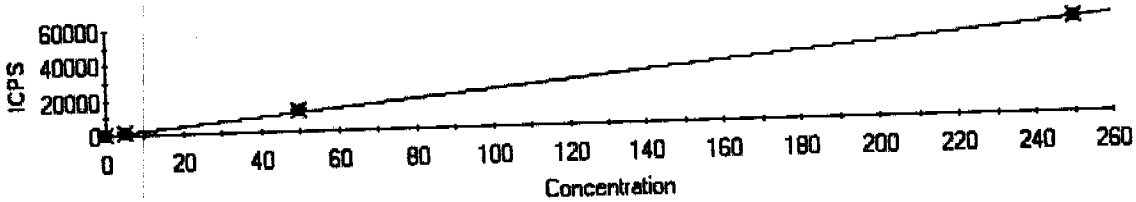
1453

std4	250.00	245.18	4.826	0344.13	1.93



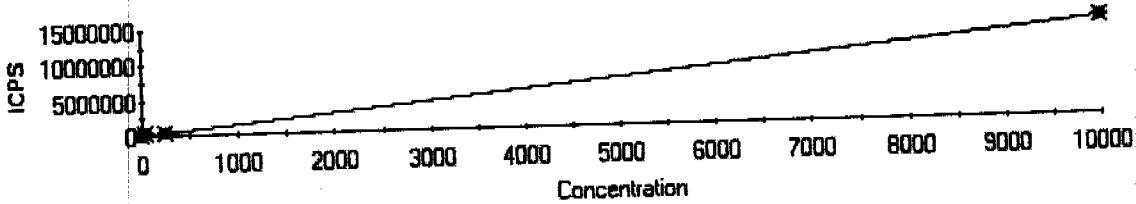
Intercept CPS=32.350775 Intercept Conc=0.640407
Sensitivity=50.515923 Correlation Coeff=0.999985

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.00	0.003	2.34	0.00
std2	5.00	5.05	0.052	87.67	1.08
std3	50.00	50.75	0.752	595.83	1.49
std4	250.00	246.96	3.041	2508.01	1.21



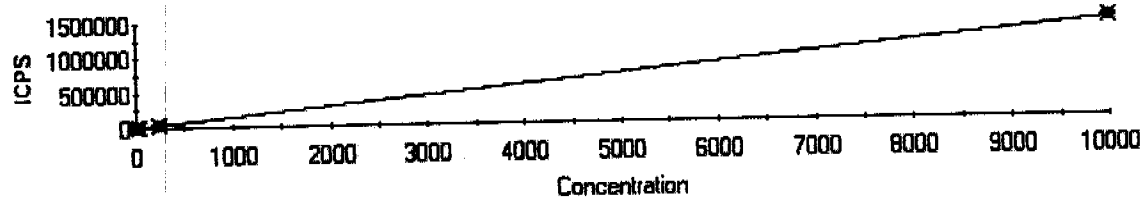
Intercept CPS=117.899554 Intercept Conc=0.545578
Sensitivity=216.100385 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.05	0.051	29.37	0.00
std2	5.00	4.95	0.051	187.31	1.03
std3	50.00	50.32	0.321	0991.24	0.63
std4	250.00	250.95	0.955	4348.19	0.38



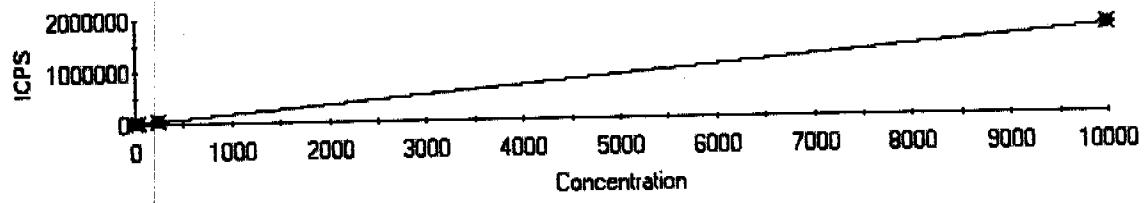
Intercept CPS=98586.224886 Intercept Conc=72.267272
Sensitivity=1364.189101 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	21.44	21.44	127836.62	0.00
std2	5.00	6.12	1.12	106940.43	22.48
std3	50.00	42.72	7.28	156863.90	14.56
std4	250.00	234.29	15.71	418196.82	6.29
std5	10000.00	10000.43	0.43	13741062.05	0.00



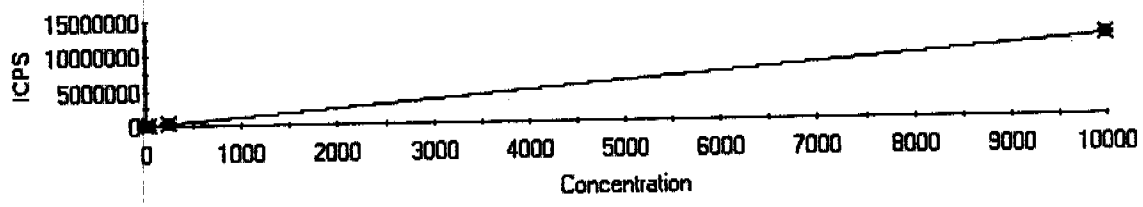
Intercept CPS=1213.244373 Intercept Conc=8.659905
Sensitivity=140.099039 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	13.73	13.73	3137.17	0.00
std2	5.00	5.87	0.872	035.20	17.34
std3	50.00	46.53	3.477	732.22	6.94
std4	250.00	238.57	11.43	34636.19	4.57
std5	10000.00	10000.30	0.301	402246.05	0.00



Intercept CPS=1362.502669 Intercept Conc=8.106696
Sensitivity=168.071270 Correlation Coeff=0.999998

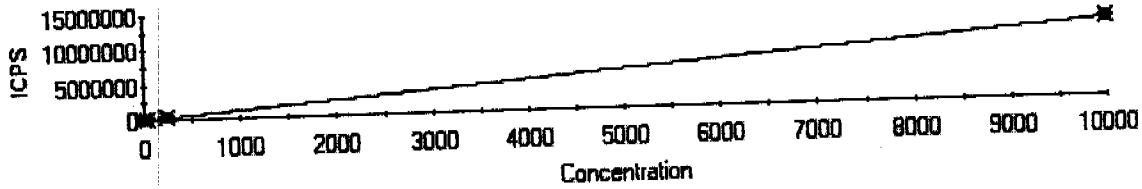
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	14.13	14.13	3736.58	0.00
std2	5.00	6.15	1.152	395.66	22.94
std3	50.00	46.46	3.549	171.48	7.08
std4	250.00	237.95	12.05	41354.50	4.82
std5	10000.00	10000.32	0.321	682128.73	0.00



Intercept CPS=9177.371957 Intercept Conc=7.930066
Sensitivity=1157.288176 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	13.46	13.46	24749.02	0.00
std2	5.00	3.99	1.01	13794.57	20.21
std3	50.00	46.05	3.95	62471.82	7.90
std4	250.00	241.27	8.73	288390.82	3.49
std5	10000.00	10000.24	0.24	11582335.28	0.00

[redacted]



Intercept CPS=87603.918533 Intercept Conc=79.340894
Sensitivity=1104.145850 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	13.93	13.93	102980.68	0.00
std2	5.00	4.04	0.96	92065.84	19.18
std3	50.00	45.24	4.76	137552.33	9.53
std4	250.00	241.56	8.44	354321.51	3.38
std5	10000.00	10000.24	0.24	11129322.21	0.00

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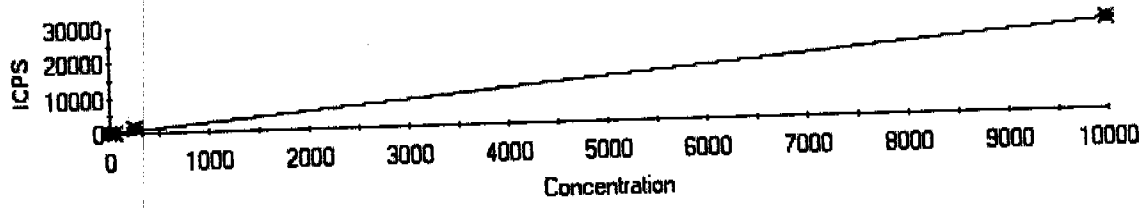

Intercept CPS=215.319274 Intercept Conc=83.217166
Sensitivity=2.587438 Correlation Coeff=0.999880

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-34.81	34.81	125.26	0.00
std2	5.00	-61.37	66.37	56.53	1327.35
std3	50.00	10.92	39.08	243.58	78.16
std4	250.00	357.92	107.92	1141.41	43.17
std5	10000.00	9997.53	2.47	26083.31	0.02

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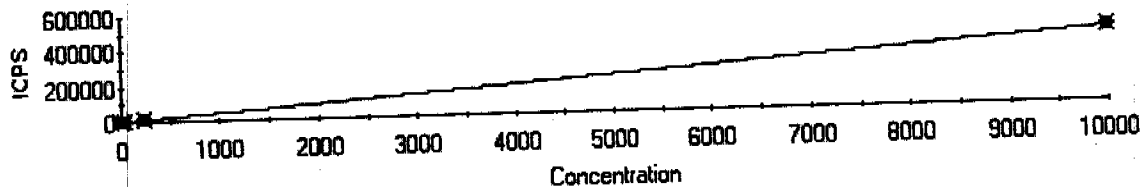

Intercept CPS=2723.731146 Intercept Conc=64.576238
Sensitivity=42.178535 Correlation Coeff=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-3.90	3.90	2559.24	0.00
std2	5.00	-31.98	36.98	1374.81	739.63
std3	50.00	30.27	19.73	4000.54	39.46
std4	250.00	312.04	62.04	15885.28	24.82
std5	10000.00	9998.57	1.43	424448.60	0.01

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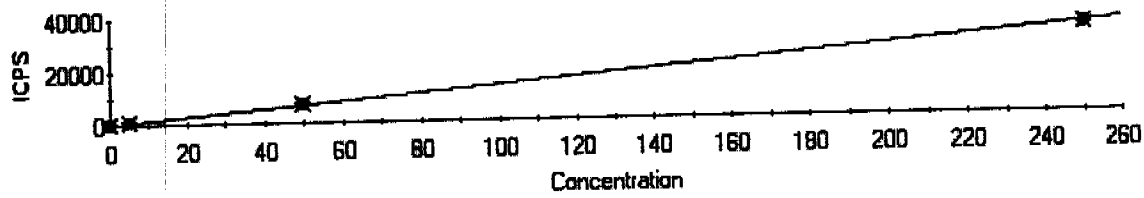

Intercept CPS=50.307517 Intercept Conc=0.373901
Sensitivity=134.547857 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.12	0.126	6.93	0.00
std2	5.00	5.00	0.007	22.55	0.07
std3	50.00	50.18	0.186	801.92	0.36
std4	250.00	247.02	2.983	3286.89	1.19

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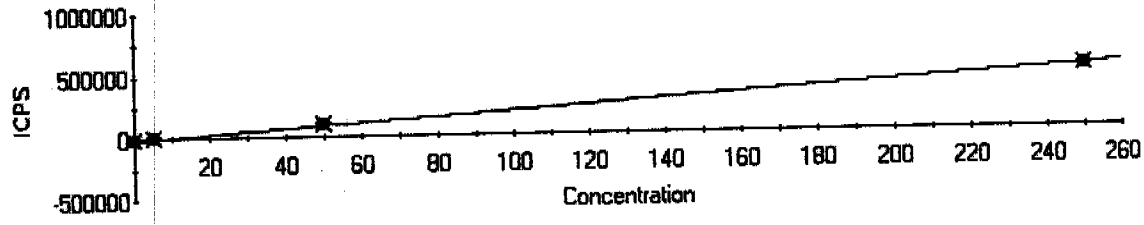
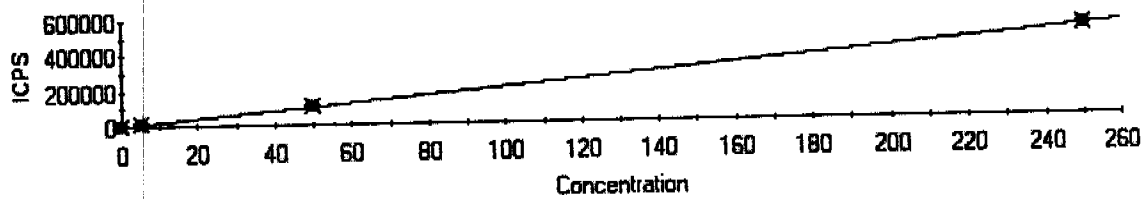


Intercept CPS=-4754.717984 Intercept Conc=-2.297722
Sensitivity=2069.318345 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.01	0.01-	4736.92	0.00
std2	5.00	4.82	0.185	227.53	3.52
std3	50.00	50.17	0.179	9070.09	0.35
std4	250.00	241.82	8.184	95651.32	3.27

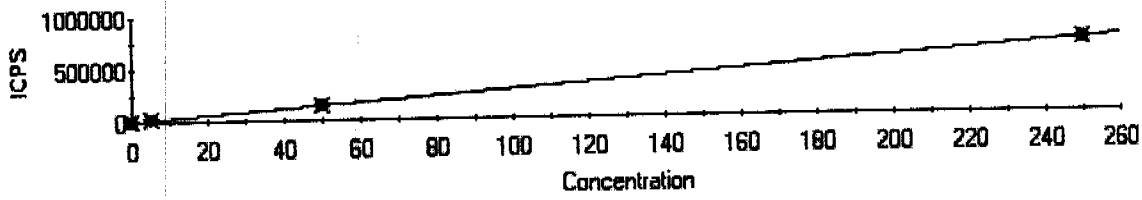
[redacted]



Intercept CPS=2632.121625 Intercept Conc=1.288537
Sensitivity=2042.720317 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.04	0.042	718.82	0.00
std2	5.00	5.00	0.001	2843.86	0.02
std3	50.00	50.70	0.701	06205.81	1.41
std4	250.00	248.04	1.965	09300.40	0.79

[redacted]



Intercept CPS=580.013247 Intercept Conc=0.205339
Sensitivity=2824.667507 Correlation Coeff=0.999984

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.01	0.015	98.24	0.00
std2	5.00	4.96	0.041	4596.90	0.75
std3	50.00	50.07	0.071	42023.78	0.15
std4	250.00	243.64	6.366	88795.22	2.54

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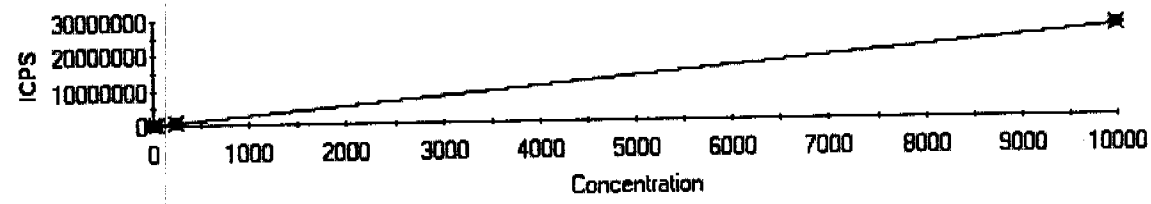
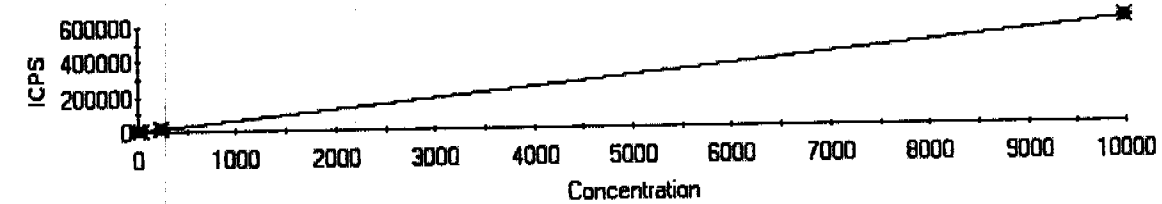


Intercept CPS=107060.842578 Intercept Conc=41.845979
Sensitivity=2558.449922 Correlation Coeff=0.999997

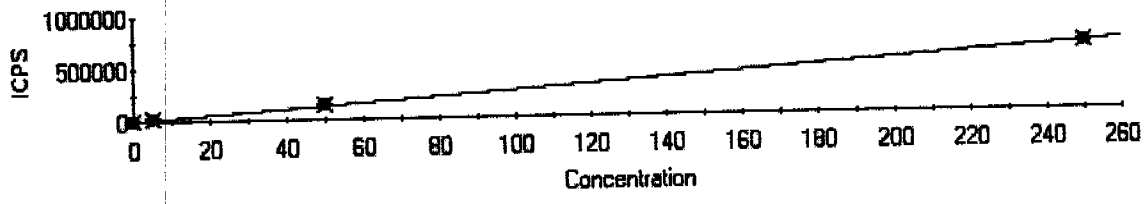
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	19.41	19.41	156717.52	0.00
std2	5.00	8.49	3.49	128769.88	69.70
std3	50.00	49.58	0.42	233896.01	0.85
std4	250.00	240.13	9.87	721419.81	3.95
std5	10000.00	10001.41	1.41	25695167.26	0.01

[redacted]



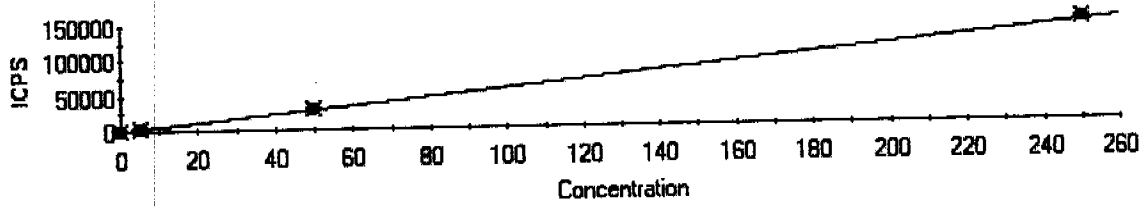
Intercept CPS=1249.861966 Intercept Conc=20.992053
Sensitivity=59.539767 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	16.49	16.49	2231.68	0.00
std2	5.00	5.28	0.28	1564.38	5.65
std3	50.00	48.90	1.10	4161.45	2.20
std4	250.00	253.88	3.88	16365.53	1.55
std5	10000.00	9999.46	0.54	596615.30	0.01



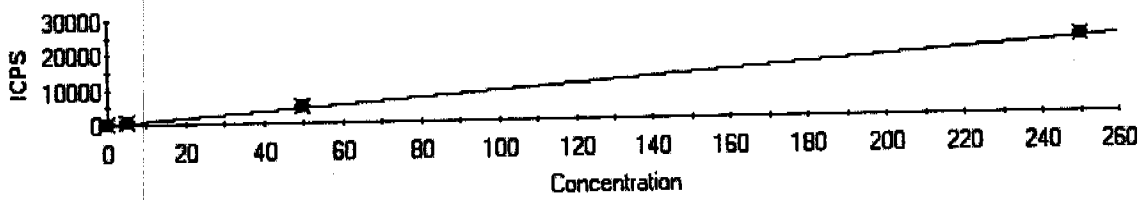
Intercept CPS=127.426399 Intercept Conc=0.048745
Sensitivity=2614.159187 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.00	0.001	27.41	0.00
std2	5.00	5.01	0.011	3216.19	0.14
std3	50.00	50.06	0.061	31002.94	0.13
std4	250.00	245.13	4.876	40948.94	1.95



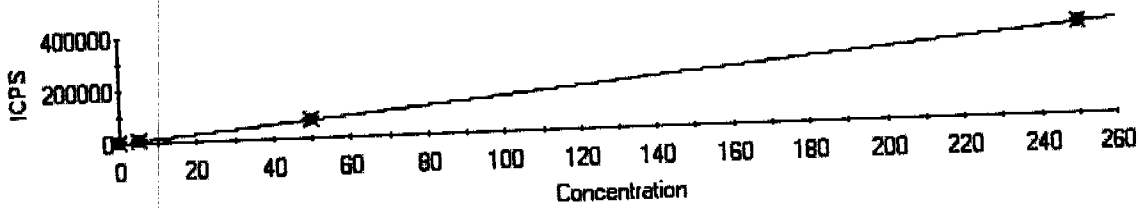
Intercept CPS=303.315258 Intercept Conc=0.541742
Sensitivity=559.889128 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.18	0.184	05.51	0.00
std2	5.00	4.98	0.023	088.77	0.50
std3	50.00	51.70	1.702	9247.47	3.39
std4	250.00	256.32	6.321	43812.47	2.53



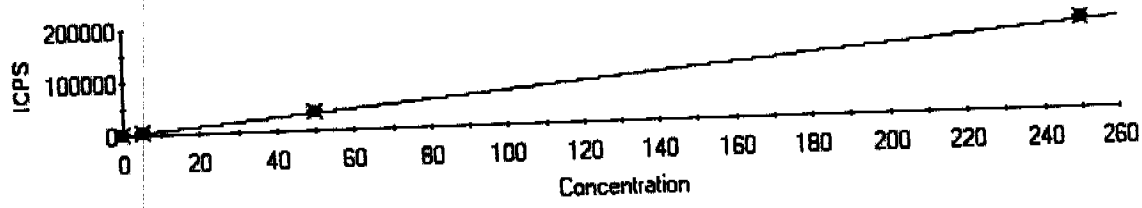
Intercept CPS=71.477481 Intercept Conc=0.825835
Sensitivity=86.551809 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.08	0.087	8.74	0.00
std2	5.00	4.92	0.084	97.44	1.57
std3	50.00	49.99	0.014	398.10	0.02
std4	250.00	251.10	1.102	1804.70	0.44



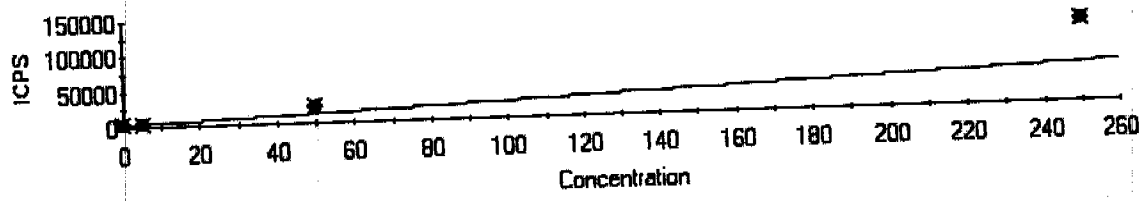
Intercept CPS=2266.102112 Intercept Conc=1.639016
Sensitivity=1382.598857 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.01	0.012	285.80	0.00
std2	5.00	4.07	0.937	889.68	18.65
std3	50.00	50.08	0.087	1512.10	0.17
std4	250.00	250.50	0.503	48610.07	0.20



Intercept CPS=819.966537 Intercept Conc=1.227118
Sensitivity=668.204931 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.47	0.471	132.92	0.00
std2	5.00	4.44	0.563	789.46	11.12
std3	50.00	50.80	0.803	4764.36	1.60
std4	250.00	251.86	1.861	69111.75	0.74



Intercept CPS=2161.011579 Intercept Conc=10.338639
Sensitivity=209.022833 Correlation Coeff=0.999864

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	3.14	3.14	2817.86	0.00
std2	5.00	4.31	0.69	3061.01	13.88
std3	50.00	105.13	55.13	24135.44	110.26
std4	250.00	547.81	297.81	116665.75	119.12

1460

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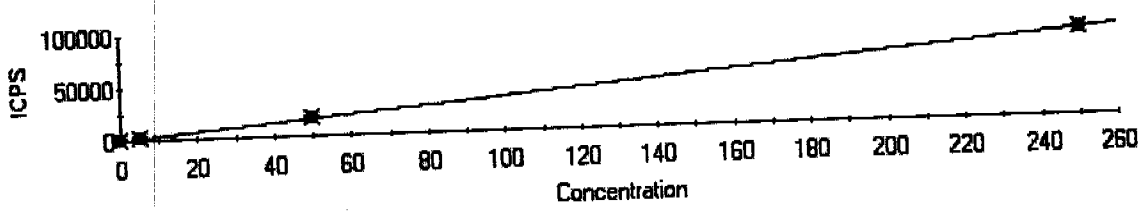

Intercept CPS=34.223558 Intercept Conc=0.103096
Sensitivity=331.958364 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.08	0.086	0.74	0.00
std2	5.00	4.69	0.311	589.80	6.28
std3	50.00	50.50	0.501	6796.74	0.99
std4	250.00	247.63	2.378	2238.73	0.95

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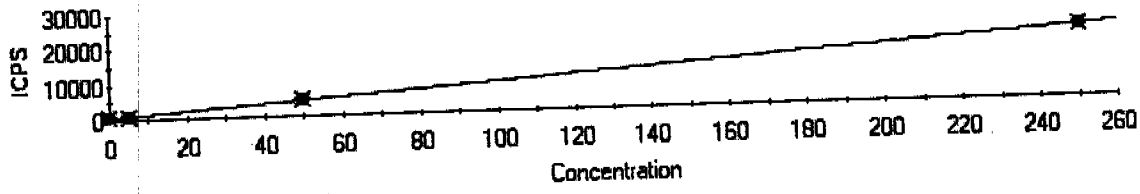
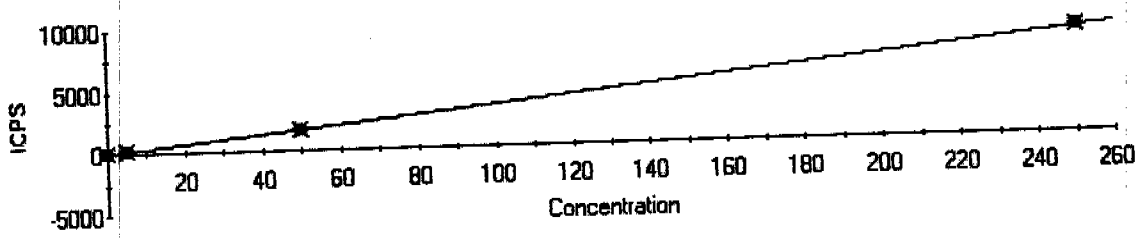


Intercept CPS=365.222166 Intercept Conc=4.552571
Sensitivity=80.223273 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.10	0.103	57.33	0.00
std2	5.00	5.17	0.177	79.83	3.36
std3	50.00	50.52	0.524	418.41	1.05
std4	250.00	247.89	2.112	0251.47	0.85

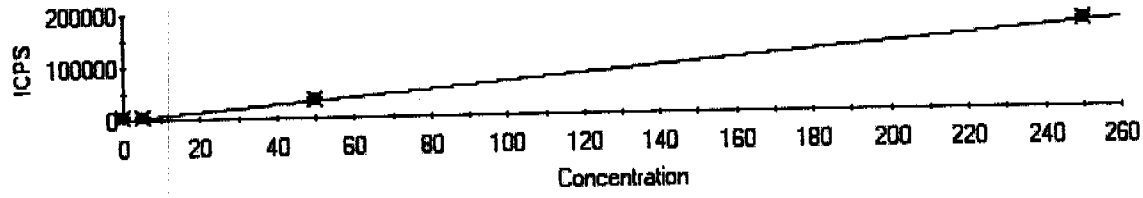
[redacted]



Intercept CPS=5.444094 Intercept Conc=0.158753
Sensitivity=34.292927 Correlation Coeff=0.999999

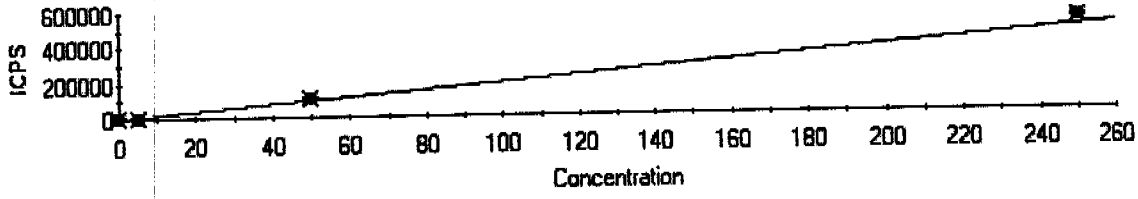
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.01	0.015	.88	0.00
std2	5.00	4.90	0.101	73.41	2.04
std3	50.00	50.11	0.111	723.93	0.22
std4	250.00	248.75	1.258	535.70	0.50

1431



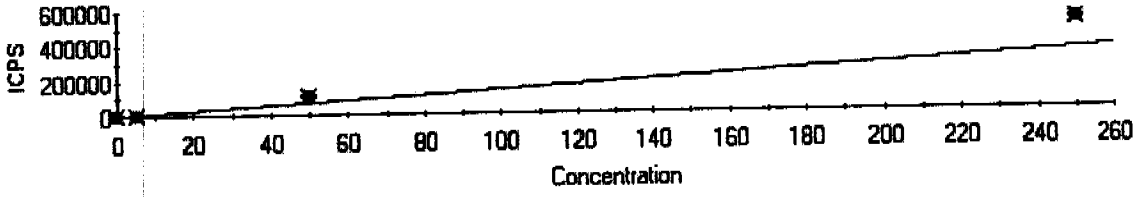
Intercept CPS=823.101302 Intercept Conc=1.257680
Sensitivity=654.460247 Correlation Coeff=0.999921

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	3.25	3.252	948.93	0.00
std2	5.00	4.99	0.014	088.92	0.20
std3	50.00	50.01	0.013	3550.05	0.01
std4	250.00	250.07	0.071	64483.24	0.03



Intercept CPS=72.230526 Intercept Conc=0.037510
Sensitivity=1925.623745 Correlation Coeff=0.999914

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.00	0.007	8.01	0.00
std2	5.00	2.88	2.125	611.23	42.47
std3	50.00	55.99	5.991	07883.58	11.98
std4	250.00	271.77	21.77	523407.01	8.71



Intercept CPS=53.664184 Intercept Conc=0.039196
Sensitivity=1369.137265 Correlation Coeff=0.999912

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.01	0.01	69.82	0.00
std2	5.00	3.92	1.08	5418.97	21.62
std3	50.00	76.85	26.85	105271.77	53.70
std4	250.00	372.91	122.91	510620.50	49.16

1462

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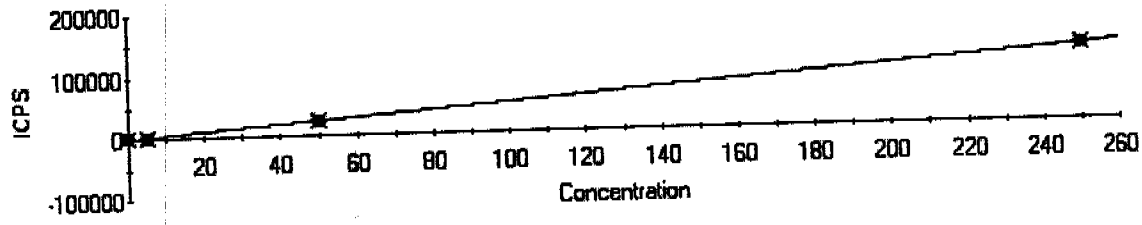

Intercept CPS=-408.267047 Intercept Conc=-0.826577
Sensitivity=493.924985 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.00	0.00-	410.40	0.00
std2	5.00	5.03	0.032	074.66	0.54
std3	50.00	50.01	0.012	4290.87	0.01
std4	250.00	247.33	2.671	21751.73	1.07

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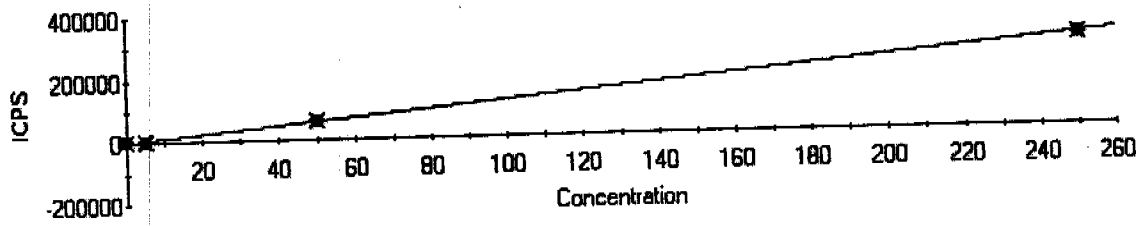
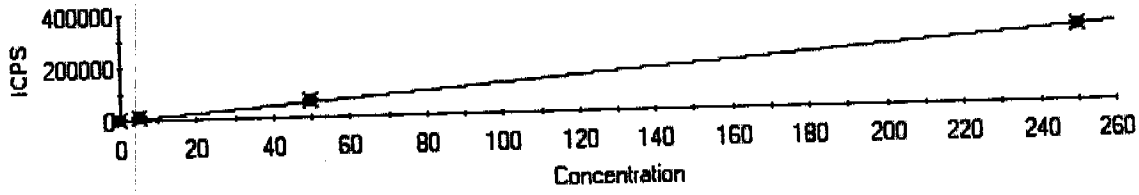


Intercept CPS=-669.248008 Intercept Conc=-0.567622
Sensitivity=1179.037747 Correlation Coeff=0.999988

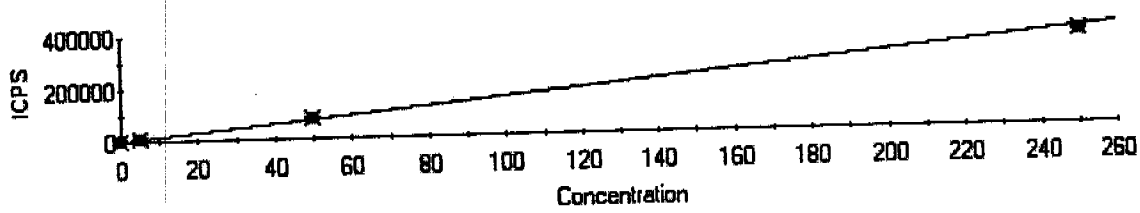
Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.00	0.00-	667.28	0.00
std2	5.00	4.97	0.035	187.13	0.66
std3	50.00	50.13	0.135	8435.52	0.26
std4	250.00	244.70	5.302	87842.83	2.12

[redacted]



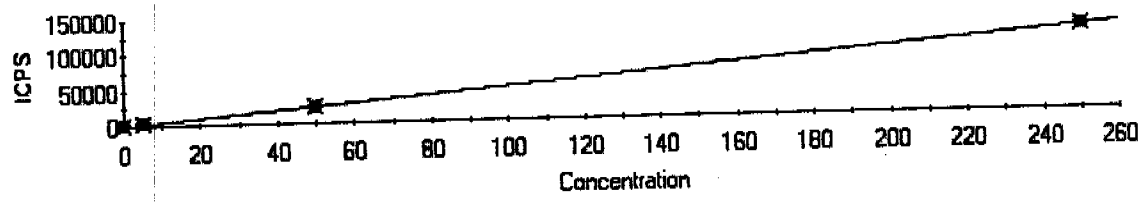
Intercept CPS=95.959955 Intercept Conc=0.083070
Sensitivity=1155.165532 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.00	0.009	6.13	0.00
std2	5.00	5.00	0.005	867.38	0.08
std3	50.00	50.03	0.035	7888.51	0.06
std4	250.00	247.08	2.922	85509.72	1.17



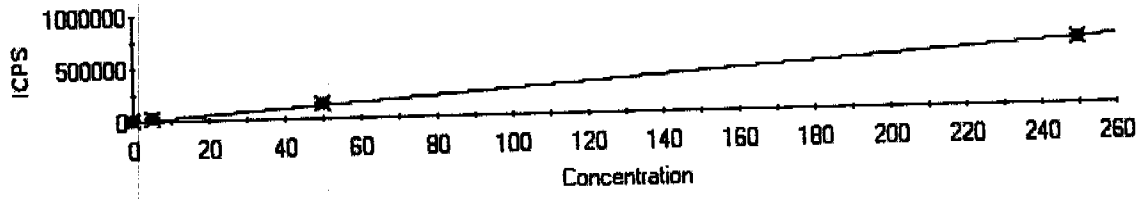
Intercept CPS=221.503475 Intercept Conc=0.150982
Sensitivity=1467.082990 Correlation Coeff=0.999970

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	-0.00	0.002	15.05	0.00
std2	5.00	5.09	0.097	691.92	1.84
std3	50.00	49.95	0.057	3497.56	0.11
std4	250.00	240.37	9.633	52863.89	3.85



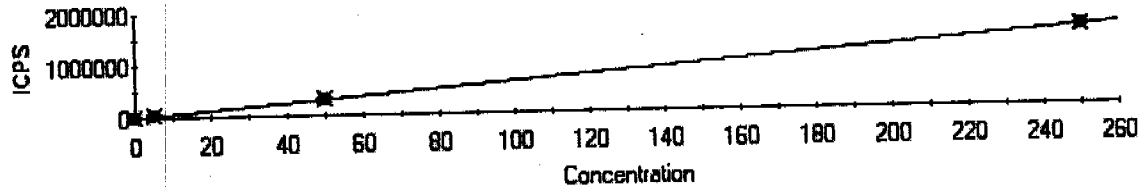
Intercept CPS=68.541997 Intercept Conc=0.143953
Sensitivity=476.141632 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.00	0.006	8.66	0.00
std2	5.00	4.96	0.042	430.01	0.81
std3	50.00	50.01	0.012	3878.59	0.01
std4	250.00	247.05	2.951	17698.56	1.18



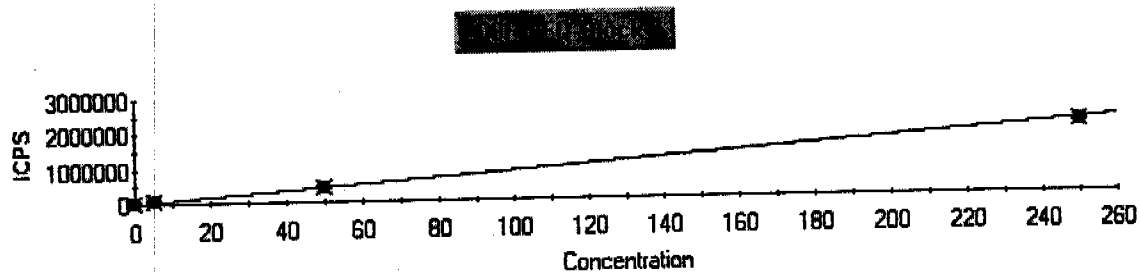
Intercept CPS=341.651110 Intercept Conc=0.136058
Sensitivity=2511.074785 Correlation Coeff=0.999970

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.00	0.003	47.75	0.00
std2	5.00	4.82	0.181	2448.54	3.57
std3	50.00	50.04	0.041	25995.67	0.08
std4	250.00	241.36	8.646	06420.71	3.46



Intercept CPS=791.253129 Intercept Conc=0.130955
Sensitivity=6042.191364 Correlation Coeff=0.999999

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.01	0.01	826.05	0.00
std2	5.00	4.84	0.16	30027.27	3.23
std3	50.00	50.03	0.03	303096.15	0.06
std4	250.00	248.83	1.17	1504274.27	0.47



Intercept CPS=781.940582 Intercept Conc=0.093026
Sensitivity=8405.575136 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
std1 2	0.00	0.00	0.00	782.41	0.00
std2	5.00	4.99	0.01	42762.32	0.11
std3	50.00	50.04	0.04	421355.38	0.07
std4	250.00	242.18	7.82	2036419.12	3.13

Dilution Corrected Concentrations

std1 2 08/17/2004 11:59:03 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:48	100.255%	0.011	-0.028	0.050	0.000	37.200	29.380	29.990	28.470	0.000
2	12:02:33	99.505%	-0.009	0.015	0.151	0.000	14.120	7.825	7.937	7.776	0.000
3	12:04:19	100.240%	-0.005	0.012	-0.042	0.000	13.000	3.993	4.449	4.121	0.000
x		100.000%	-0.001	-0.000	0.053	0.000	21.440	13.730	14.130	13.460	0.000
σ		0.429%	0.011	0.024	0.096	0.000	13.660	13.690	13.850	13.130	0.000
%RSD		0.429	1747.000	8050.000	181.600	0.000	63.720	99.660	98.040	97.580	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:48	29.750	-16.120	12.470	100.229%	0.449	-0.242	0.066	3024.000	0.008	34.330
2	12:02:33	6.896	-42.880	-10.290	100.662%	-0.005	0.409	0.007	3007.000	0.022	13.560
3	12:04:19	5.129	-45.410	-13.880	99.108%	-0.074	-0.141	0.055	3058.000	-0.011	10.340
x		13.930	-34.810	-3.900	100.000%	0.124	0.009	0.042	3030.000	0.006	19.410
σ		13.740	16.230	14.290	0.802%	0.284	0.351	0.031	25.610	0.017	13.020
%RSD		98.630	46.630	366.400	0.802	230.100	4078.000	73.590	0.845	263.000	67.100

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:48	30.890	0.000	0.224	-0.052	0.003	0.451	3.148	0.005	0.106	0.142

2	12:02:33	11.080	0.001	0.115	-0.102	0.009	0.429	3.234	-0.058	-0.018	-0.266
3	12:04:19	7.503	-0.002	0.209	0.405	0.031	0.525	3.046	0.292	-0.383	0.123
x		16.490	-0.000	0.183	0.084	0.014	0.468	3.142	0.080	-0.098	0.013
σ		12.600	0.001	0.059	0.279	0.015	0.051	0.094	0.186	0.254	0.243
%RSD		76.380	24800.000	32.140	332.800	105.100	10.800	2.992	233.200	258.600	1918.000

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:48	99.656%	6.262	97.181%	0.003	0.968	0.019	0.036	0.028	96.323%	0.007
2	12:02:33	100.238%	2.329	101.626%	-0.002	1.040	0.006	-0.036	-0.016	101.700%	-0.003
3	12:04:19	100.106%	1.154	101.193%	0.008	1.007	0.011	-0.013	-0.006	101.978%	-0.003
x		100.000%	3.248	100.000%	0.003	1.005	0.012	-0.004	0.002	100.000%	0.000
σ		0.305%	2.675	2.451%	0.005	0.036	0.006	0.037	0.023	3.188%	0.006
%RSD		0.305	82.360	2.451	154.700	3.586	54.870	852.000	1383.000	3.188	3734.000

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:48	0.011	-0.002	98.532%	98.714%	0.031	0.033	0.003	98.949%	0.000	0.000
2	12:02:33	-0.003	-0.013	100.983%	100.924%	-0.016	-0.002	-0.005	100.824%	0.000	0.000
3	12:04:19	-0.021	0.016	100.485%	100.362%	-0.008	-0.014	0.003	100.228%	0.000	0.000
x		-0.004	0.000	100.000%	100.000%	0.002	0.006	0.000	100.000%	0.000	0.000
σ		0.016	0.015	1.295%	1.149%	0.025	0.024	0.005	0.958%	0.000	0.000
%RSD		361.100	5827.000	1.295	1.149	1047.000	422.600	8174.000	0.958	0.000	0.000

std2 08/17/2004 12:06:29 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:14	100.052%	5.190	4.766	4.853	0.000	7.575	7.885	8.106	5.793	0.000
2	12:10:00	99.426%	5.086	4.857	4.958	0.000	5.165	5.538	5.738	3.606	0.000
3	12:11:45	100.223%	4.953	5.540	5.035	0.000	5.632	4.178	4.597	2.570	0.000
x		99.900%	5.076	5.054	4.949	0.000	6.124	5.867	6.147	3.990	0.000
σ		0.419%	0.118	0.423	0.091	0.000	1.279	1.876	1.790	1.646	0.000
%RSD		0.420	2.333	8.375	1.844	0.000	20.880	31.970	29.120	41.250	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:14	6.644	-61.420	-29.440	99.246%	4.962	4.971	5.001	3092.000	4.952	10.450
2	12:10:00	3.343	-62.540	-32.050	99.054%	5.045	4.401	4.994	3021.000	5.004	8.218
3	12:11:45	2.137	-60.140	-34.450	100.508%	4.982	5.099	5.002	2945.000	4.930	6.783
x		4.041	-61.370	-31.980	99.603%	4.996	4.824	4.999	3019.000	4.962	8.485
σ		2.334	1.201	2.505	0.790%	0.043	0.372	0.004	73.680	0.038	1.851
%RSD		57.750	1.957	7.832	0.793	0.870	7.706	0.086	2.440	0.769	21.810

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:14	7.163	5.054	4.951	4.794	4.009	4.487	4.322	4.934	5.201	5.443
2	12:10:00	4.062	5.020	4.990	4.740	4.200	4.459	4.258	4.812	5.803	4.674
3	12:11:45	4.622	4.946	4.984	5.231	3.993	4.386	4.338	4.312	4.501	4.576
x		5.282	5.007	4.975	4.922	4.067	4.444	4.306	4.686	5.168	4.898
σ		1.653	0.055	0.021	0.269	0.115	0.052	0.042	0.330	0.652	0.474
%RSD		31.290	1.106	0.417	5.465	2.827	1.177	0.986	7.043	12.610	9.687

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:14	97.800%	5.100	96.345%	2.773	1.038	3.850	4.936	5.054	95.766%	5.026
2	12:10:00	98.427%	5.040	99.659%	3.005	1.099	3.951	5.118	4.876	100.420%	4.977
3	12:11:45	99.598%	4.831	101.534%	2.852	1.037	3.955	5.027	4.971	102.149%	4.986
x		98.608%	4.990	99.179%	2.876	1.058	3.919	5.027	4.967	99.445%	4.996
σ		0.913%	0.141	2.628%	0.118	0.036	0.059	0.091	0.089	3.301%	0.026
%RSD		0.926	2.835	2.650	4.103	3.400	1.511	1.818	1.798	3.320	0.523

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:14	5.011	4.921	96.904%	96.395%	4.631	4.699	4.977	97.749%	0.000	0.000
2	12:10:00	5.142	5.115	99.111%	98.981%	4.880	4.922	5.035	98.923%	0.000	0.000
3	12:11:45	5.123	4.843	100.940%	100.209%	4.954	4.895	4.971	101.031%	0.000	0.000
x		5.092	4.960	98.985%	98.528%	4.821	4.839	4.994	99.235%	0.000	0.000

σ		0.071	0.140	2.021%	1.947%	0.169	0.121	0.036	1.663%	0.000	0.000
%RSD		1.397	2.826	2.042	1.976	3.506	2.510	0.716	1.676	0.000	0.000

std3 08/17/2004 12:13:57 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:15:42	101.167%	50.320	48.820	49.480	0.000	43.190	47.220	47.250	47.000	0.000
2	12:17:28	101.068%	50.460	51.700	50.240	0.000	43.150	46.990	46.310	45.780	0.000
3	12:19:13	101.025%	49.310	51.720	51.230	0.000	41.820	45.380	45.830	45.370	0.000
x		101.087%	50.030	50.750	50.320	0.000	42.720	46.530	46.460	46.050	0.000
σ		0.073%	0.626	1.665	0.878	0.000	0.781	1.001	0.722	0.848	0.000
%RSD		0.072	1.252	3.282	1.745	0.000	1.827	2.151	1.554	1.841	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:15:42	45.560	10.990	29.800	100.477%	49.760	49.790	50.290	2973.000	49.910	50.390
2	12:17:28	45.650	4.909	29.370	99.934%	50.880	50.460	50.840	2926.000	50.130	49.260
3	12:19:13	44.500	16.860	31.650	99.964%	49.890	50.270	50.980	2884.000	50.180	49.080
x		45.240	10.920	30.270	100.125%	50.180	50.170	50.700	2928.000	50.070	49.580
σ		0.640	5.978	1.209	0.305%	0.614	0.343	0.363	44.540	0.142	0.711
%RSD		1.415	54.740	3.995	0.305	1.223	0.684	0.716	1.521	0.283	1.434

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:15:42	49.190	49.710	51.260	49.180	49.960	50.600	103.500	49.780	50.930	50.010
2	12:17:28	47.090	50.210	51.460	49.970	50.110	51.000	106.100	50.250	50.820	49.550
3	12:19:13	50.420	50.260	52.370	50.820	50.180	50.800	105.800	51.460	49.820	50.780
x		48.900	50.060	51.700	49.990	50.080	50.800	105.100	50.500	50.520	50.110
σ		1.683	0.305	0.591	0.821	0.110	0.201	1.413	0.871	0.608	0.623
%RSD		3.441	0.609	1.143	1.643	0.219	0.395	1.344	1.725	1.204	1.244

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:15:42	97.860%	49.580	96.811%	55.200	1.335	75.690	49.560	49.760	95.995%	50.000
2	12:17:28	99.397%	50.350	100.716%	56.300	1.237	77.240	50.330	50.210	100.686%	50.220
3	12:19:13	99.429%	50.080	101.607%	56.460	1.134	77.620	50.130	50.420	102.427%	49.870
x		98.895%	50.010	99.711%	55.990	1.235	76.850	50.010	50.130	99.703%	50.030
σ		0.896%	0.392	2.551%	0.683	0.101	1.020	0.400	0.337	3.327%	0.180
%RSD		0.906	0.783	2.558	1.219	8.143	1.327	0.799	0.671	3.336	0.359

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:15:42	49.620	50.090	96.336%	96.221%	49.980	49.860	49.950	98.065%	0.000	0.000
2	12:17:28	50.300	49.960	99.789%	98.995%	49.970	50.180	49.970	100.720%	0.000	0.000
3	12:19:13	49.920	49.970	100.319%	99.981%	50.170	50.060	50.190	101.135%	0.000	0.000
x		49.950	50.010	98.815%	98.399%	50.040	50.030	50.040	99.973%	0.000	0.000
σ		0.337	0.077	2.163%	1.950%	0.116	0.161	0.131	1.666%	0.000	0.000
%RSD		0.675	0.153	2.189	1.982	0.232	0.321	0.263	1.666	0.000	0.000

std4 08/17/2004 12:21:25 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:23:10	100.357%	244.900	243.400	249.600	0.000	231.700	237.300	235.900	240.800	0.000
2	12:24:55	100.757%	239.100	242.300	247.000	0.000	230.100	234.900	232.200	235.800	0.000
3	12:26:41	100.161%	M 251.500	M 255.200	M 256.300	0.000	241.000	243.400	245.700	247.200	0.000
x		100.425%	M 245.200	M 247.000	M 250.900	0.000	234.300	238.600	237.900	241.300	0.000
σ		0.304%	M 6.224	M 7.122	M 4.794	0.000	5.879	4.401	6.965	5.756	0.000
%RSD		0.303	M 2.538	M 2.884	M 1.910	0.000	2.509	1.845	2.927	2.386	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:23:10	237.100	347.800	311.400	99.966%	243.200	239.200	246.800	3027.000	241.400	238.900
2	12:24:55	239.000	346.700	304.900	99.441%	242.500	238.100	244.200	2911.000	239.800	235.100
3	12:26:41	248.500	379.200	319.800	98.359%	M 255.400	248.200	M 253.100	2928.000	249.700	246.400
x		241.600	357.900	312.000	99.255%	M 247.000	241.800	M 248.000	2956.000	243.600	240.100
		6.094	18.470	7.499	0.819%	M 7.255	5.512	M 4.583	62.850	5.328	5.7

σ											
%RSD		2.523	5.160	2.403	0.825	M 2.937	2.279	M 1.848	2.127	2.187	2.379
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:23:10	253.200	242.700	M 254.000	249.500	249.600	M 250.900	M 543.400	243.000	247.700	246.300
2	12:24:55	249.600	241.700	M 252.100	245.400	245.800	247.700	M 539.000	246.000	245.300	245.300
3	12:26:41	258.800	M 251.100	M 262.900	M 258.400	M 256.100	M 256.900	M 561.100	M 254.000	M 250.700	M 254.600
x		253.900	M 245.100	M 256.300	M 251.100	M 250.500	M 251.900	M 547.800	M 247.600	M 247.900	M 248.700
σ		4.597	M 5.158	M 5.778	M 6.636	M 5.179	M 4.670	M 11.680	M 5.689	M 2.695	M 5.081
%RSD		1.811	M 2.104	M 2.254	M 2.643	M 2.067	M 1.854	M 2.131	M 2.297	M 1.087	M 2.042
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:23:10	97.348%	245.700	96.834%	M 265.700	2.388	M 362.700	242.900	240.600	96.364%	242.500
2	12:24:55	98.795%	247.900	99.460%	M 270.700	2.480	M 371.300	244.700	241.900	100.425%	244.300
3	12:26:41	97.537%	M 256.600	99.407%	M 279.000	2.688	M 384.700	M 254.300	M 251.600	100.000%	M 254.400
x		97.893%	M 250.100	98.567%	M 271.800	2.519	M 372.900	M 247.300	M 244.700	98.930%	M 247.100
σ		0.786%	M 5.781	1.501%	M 6.743	0.154	M 11.090	M 6.102	M 6.013	2.232%	M 6.389
%RSD		0.803	M 2.312	1.523	M 2.481	6.102	M 2.973	M 2.467	M 2.457	2.256	M 2.586
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl20	5Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:23:10	235.700	244.700	96.373%	96.092%	238.900	243.700	238.900	98.457%	0.000	0.000
2	12:24:55	238.200	244.600	99.040%	98.715%	238.800	247.100	239.700	100.222%	0.000	0.000
3	12:26:41	247.100	M 251.800	98.084%	97.781%	246.300	M 255.600	247.900	99.320%	0.000	0.000
x		240.400	M 247.000	97.832%	97.529%	241.400	M 248.800	242.200	99.333%	0.000	0.000
σ		5.973	M 4.155	1.351%	1.330%	4.303	M 6.126	4.963	0.883%	0.000	0.000
%RSD		2.485	M 1.682	1.381	1.363	1.783	M 2.462	2.049	0.889	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	12:35:53	101.276%	0.039	6.138	6.337	0.000	M 10020.000	M 10020.000	M 10040.000	M 10000.000	
2	12:37:38	101.315%	-0.009	4.192	4.153	0.000	M 10060.000	M 10030.000	M 10050.000	M 10020.000	
3	12:39:24	103.039%	0.006	2.868	3.081	0.000	9930.000	9954.000	9910.000	9976.000	
x		101.876%	0.012	4.399	4.523	0.000	M 10000.000	M 10000.000	M 10000.000	M 10000.000	
σ		1.007%	0.025	1.645	1.660	0.000	M 63.800	M 41.130	M 78.790	M 22.990	
%RSD		0.988	207.700	37.390	36.690	0.000	M 0.638	M 0.411	M 0.788	M 0.230	
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	12:35:53	9969.000	M 10020.000	9966.000	99.083%	-0.104	0.871	0.420	2975.000	-0.153	M 1001
2	12:37:38	M 10030.000	9936.000	9993.000	100.101%	-0.218	0.656	0.362	2942.000	-0.166	M 1000
3	12:39:24	M 10010.000	M 10040.000	M 10040.000	99.729%	-0.202	0.641	0.297	2956.000	-0.153	998
x		M 10000.000	M 9998.000	M 9999.000	99.638%	-0.175	0.723	0.359	2957.000	-0.157	M 1000
σ		M 28.650	M 54.110	M 35.410	0.515%	0.062	0.129	0.062	16.270	0.007	M 1
%RSD		M 0.286	M 0.541	M 0.354	0.517	35.510	17.780	17.170	0.550	4.679	M
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	12:35:53	M 10020.000	-0.008	-0.154	-0.308	-0.915	-0.552	-7.525	-0.095	0.138	-
2	12:37:38	9989.000	-0.028	-0.216	-0.395	-0.931	-0.558	-7.571	-0.002	0.119	-
3	12:39:24	9994.000	-0.011	-0.238	-0.290	-0.953	-0.565	-7.463	-0.114	0.114	-
x		M 9999.000	-0.015	-0.203	-0.331	-0.933	-0.559	-7.520	-0.070	0.123	-
σ		M 14.170	0.011	0.043	0.056	0.019	0.007	0.054	0.060	0.013	
%RSD		M 0.142	69.160	21.420	17.040	2.046	1.178	0.721	84.940	10.350	8
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	1
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	12:35:53	96.677%	0.912	95.245%	0.114	1.010	0.146	0.023	0.054	95.152%	
2	12:37:38	97.935%	-0.036	98.216%	0.059	1.058	0.088	-0.019	0.001	99.480%	
3	12:39:24	98.193%	-0.347	99.287%	0.053	1.113	0.080	-0.075	-0.015	100.201%	
x		97.602%	0.176	97.583%	0.076	1.060	0.105	-0.024	0.013	98.278%	
σ		0.811%	0.656	2.094%	0.034	0.051	0.036	0.049	0.036	2.731%	
%RSD		0.831	371.900	2.146	44.360	4.830	34.250	209.400	268.800	2.778	2
Run	Time	121Sb	137Ba	9Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:35:53	0.480	-0.030	96.009%	96.011%	0.609	0.662	0.021	95.959%	0.000
2	12:37:38	0.334	-0.053	98.128%	98.285%	0.292	0.281	-0.010	97.878%	0.000
3	12:39:24	0.279	-0.064	98.999%	98.435%	0.183	0.182	-0.004	98.256%	0.000
x		0.364	-0.049	97.712%	97.577%	0.361	0.375	0.002	97.364%	0.000
σ		0.104	0.017	1.538%	1.358%	0.222	0.254	0.017	1.232%	0.000
%RSD		28.550	35.720	1.574	1.392	61.280	67.690	669.800	1.265	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg26	Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:43:22	102.613%	123.500	120.700	123.800	0.000	4948.000	4701.000	4869.000	4906.000	0.000
2	12:45:07	101.294%	125.500	128.100	127.900	0.000	5019.000	4771.000	4962.000	4998.000	0.000
3	12:46:52	102.249%	126.100	127.900	128.900	0.000	5058.000	4787.000	5019.000	5044.000	0.000
x		102.052%	125.000	125.600	126.800	0.000	5008.000	4753.000	4950.000	4983.000	0.000
σ		0.681%	1.345	4.203	2.728	0.000	55.850	45.890	75.470	69.950	0.000
%RSD		0.667	1.076	3.347	2.151	0.000	1.115	0.966	1.525	1.404	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:43:22	4886.000	4985.000	5032.000	99.408%	122.400	120.700	123.000	3185.000	120.900	4951.000
2	12:45:07	4988.000	5048.000	5059.000	99.997%	123.500	121.500	124.300	3166.000	121.900	4993.000
3	12:46:52	5037.000	5123.000	5132.000	100.079%	124.700	121.900	125.000	3181.000	122.700	5039.000
x		4970.000	5052.000	5074.000	99.828%	123.500	121.400	124.100	3177.000	121.800	4994.000
σ		77.050	69.080	51.490	0.366%	1.168	0.610	1.007	10.160	0.931	44.300
%RSD		1.550	1.367	1.015	0.366	0.946	0.502	0.811	0.320	0.764	0.887

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:43:22	4997.000	121.900	126.100	126.800	121.800	123.300	M278.000	123.300	123.700	126.100
2	12:45:07	5038.000	122.600	127.800	122.400	122.600	123.800	M279.100	123.200	124.900	122.800
3	12:46:52	5074.000	123.300	127.900	122.900	125.300	124.100	M281.800	124.000	123.600	124.500
x		5036.000	122.600	127.300	124.000	123.300	123.700	M279.600	123.500	124.100	124.500
σ		38.530	0.689	0.985	2.416	1.825	0.383	M1.956	0.427	0.733	1.627
%RSD		0.765	0.562	0.774	1.948	1.481	0.310	M0.699	0.346	0.591	1.307

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:43:22	96.955%	124.400	95.276%	134.700	1.729	184.000	121.600	120.900	94.866%	122.400
2	12:45:07	98.151%	125.400	99.108%	138.500	1.517	189.300	122.100	122.900	99.845%	124.000
3	12:46:52	98.651%	126.100	99.719%	139.300	1.694	192.400	124.200	124.400	100.385%	124.800
x		97.919%	125.300	98.034%	137.500	1.646	188.600	122.600	122.700	98.365%	123.700
σ		0.872%	0.881	2.408%	2.462	0.114	4.274	1.342	1.738	3.042%	1.191
%RSD		0.890	0.703	2.457	1.790	6.911	2.266	1.095	1.416	3.093	0.962

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:43:22	125.600	122.700	95.290%	95.102%	119.600	119.400	121.700	96.258%	0.000	0.000
2	12:45:07	126.300	122.100	98.178%	97.745%	121.100	121.500	123.400	98.103%	0.000	0.000
3	12:46:52	127.100	123.200	99.050%	98.488%	122.400	122.000	123.900	98.765%	0.000	0.000
x		126.300	122.600	97.506%	97.112%	121.000	121.000	123.000	97.709%	0.000	0.000
σ		0.738	0.552	1.968%	1.780%	1.438	1.418	1.178	1.299%	0.000	0.000
%RSD		0.584	0.450	2.018	1.833	1.188	1.172	0.958	1.329	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:50:50	101.618%	0.199	3.698	3.734	0.000	3.721	8.487	9.077	7.130	0.000
2	12:52:35	101.541%	0.067	1.959	2.069	0.000	-3.900	0.763	0.803	-1.040	0.000
3	12:54:21	103.266%	0.018	1.417	1.524	0.000	-5.790	-1.100	-0.067	-2.322	0.000
x		102.142%	0.095	2.358	2.442	0.000	-1.989	2.717	3.271	1.256	0.000
σ		0.974%	0.094	1.192	1.151	0.000	5.035	5.083	5.047	5.127	0.000
%RSD		0.954	99.310	50.530	47.140	0.000	253.100	187.100	154.300	408.200	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

1	12:50:50	8.286	-62.460	-27.850	98.505%	-0.117	-0.519	0.245	3246.000	0.189	12.960
2	12:52:35	-0.149	-72.320	-37.740	99.162%	-0.231	1.443	-0.043	3156.000	0.047	4.717
3	12:54:21	-2.162	-67.790	-38.940	100.076%	-0.188	-0.026	-0.056	3124.000	-0.004	3.248
x		1.992	-67.520	-34.840	99.248%	-0.179	0.299	0.048	3175.000	0.077	6.976
σ		5.543	4.937	6.085	0.789%	0.058	1.021	0.170	63.190	0.100	5.235
%RSD		278.300	7.311	17.460	0.795	32.290	340.800	351.200	1.990	129.900	75.050

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu66	Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:50:50	11.450	0.187	0.062	-0.209	0.224	0.707	-5.022	-0.075	0.230	0.234
2	12:52:35	0.847	0.054	-0.176	-0.380	0.099	0.472	-5.046	0.474	0.636	-0.140
3	12:54:21	0.737	0.022	-0.120	-0.221	0.119	0.551	-5.476	-0.252	0.109	-0.100
x		4.345	0.088	-0.078	-0.270	0.147	0.577	-5.182	0.049	0.325	-0.002
σ		6.154	0.087	0.125	0.096	0.067	0.120	0.256	0.378	0.276	0.206
%RSD		141.600	99.680	160.000	35.390	45.660	20.760	4.931	773.200	84.840	10890.000

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:50:50	95.768%	-0.052	95.842%	0.231	0.970	0.342	0.189	0.216	94.092%	0.336
2	12:52:35	97.655%	-0.477	100.064%	0.079	1.106	0.118	-0.047	0.006	99.280%	0.147
3	12:54:21	98.203%	-0.667	99.855%	0.059	1.107	0.094	-0.042	-0.023	99.973%	0.131
x		97.209%	-0.399	98.587%	0.123	1.061	0.185	0.033	0.066	97.781%	0.205
σ		1.277%	0.315	2.380%	0.094	0.079	0.137	0.135	0.130	3.214%	0.114
%RSD		1.314	79.030	2.414	76.440	7.435	74.120	405.600	196.300	3.287	55.510

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:50:50	0.336	0.158	93.854%	93.786%	0.655	0.679	0.179	95.077%	0.000	0.000
2	12:52:35	0.156	0.006	97.087%	97.124%	0.349	0.338	0.029	97.580%	0.000	0.000
3	12:54:21	0.105	-0.031	97.919%	97.545%	0.214	0.225	0.009	98.453%	0.000	0.000
x		0.199	0.044	96.287%	96.152%	0.406	0.414	0.072	97.037%	0.000	0.000
σ		0.121	0.100	2.147%	2.059%	0.226	0.236	0.093	1.752%	0.000	0.000
%RSD		60.950	227.600	2.230	2.142	55.640	57.040	128.400	1.806	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:59:19	102.547%	0.527	4.531	4.769	0.000	250.700	261.400	257.000	43.450	0.000
2	13:01:05	103.693%	0.473	4.757	4.590	0.000	247.300	255.800	255.000	41.840	0.000
3	13:02:50	104.197%	0.466	4.293	4.512	0.000	250.600	257.100	257.000	42.110	0.000
x		103.479%	0.489	4.527	4.624	0.000	249.500	258.100	256.300	42.460	0.000
σ		0.846%	0.033	0.232	0.132	0.000	1.922	2.949	1.158	0.861	0.000
%RSD		0.817	6.773	5.127	2.859	0.000	0.770	1.143	0.452	2.026	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:59:19	264.400	216.900	243.400	99.376%	0.705	3.883	3.756	2505.000	0.424	48.630
2	13:01:05	261.700	219.100	239.500	101.128%	0.590	4.064	3.625	2381.000	0.414	47.030
3	13:02:50	264.300	204.300	243.500	101.611%	0.864	4.470	3.607	2316.000	0.408	47.290
x		263.500	213.500	242.100	100.705%	0.719	4.139	3.663	2401.000	0.415	47.650
σ		1.559	7.959	2.286	1.176%	0.138	0.301	0.081	95.780	0.008	0.860
%RSD		0.592	3.729	0.944	1.168	19.110	7.265	2.221	3.990	1.996	1.805

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:59:19	49.890	0.472	3.984	3.661	2.520	3.101	1.120	0.913	4.217	3.823
2	13:01:05	46.950	0.469	3.786	3.346	2.499	2.905	1.126	0.990	4.034	3.837
3	13:02:50	49.030	0.493	3.704	3.572	2.524	2.984	1.758	1.199	4.273	4.423
x		48.630	0.478	3.824	3.526	2.514	2.996	1.335	1.034	4.175	4.027
σ		1.510	0.013	0.144	0.162	0.013	0.099	0.367	0.148	0.125	0.343
%RSD		3.106	2.692	3.766	4.605	0.525	3.289	27.480	14.330	2.996	8.506

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:59:19	96.153%	0.077	94.565%	3.788	1.040	5.150	0.963	0.962	93.506%	1.120
2	13:01:05	98.896%	-0.005	100.664%	3.757	1.008	5.154	0.966	0.915	100.244%	1.153
3	13:02:50	99.101%	-0.005	102.149%	3.914	0.994	5.290	1.025	0.981	102.102%	1.144

X		98.050%	0.022	99.126%	3.820	1.014	5.198	0.985	0.953	98.617%	1.139
σ		1.646%	0.047	4.019%	0.083	0.023	0.080	0.035	0.034	4.523%	0.017
%RSD		1.679	211.200	4.055	2.167	2.311	1.534	3.534	3.565	4.586	1.514

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:59:19	0.476	0.897	93.263%	92.849%	0.559	0.559	0.477	94.151%	0.000	0.000
2	13:01:05	0.447	0.909	97.684%	97.658%	0.536	0.543	0.458	98.464%	0.000	0.000
3	13:02:50	0.400	0.925	99.080%	98.524%	0.520	0.520	0.456	99.998%	0.000	0.000
X		0.441	0.910	96.676%	96.344%	0.538	0.541	0.463	97.538%	0.000	0.000
σ		0.038	0.014	3.037%	3.057%	0.020	0.019	0.012	3.032%	0.000	0.000
%RSD		8.701	1.543	3.141	3.174	3.637	3.588	2.497	3.108	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:07:47	102.437%	126.400	124.800	125.700	0.000	4953.000	4725.000	4906.000	4928.000	0.000
2	13:09:32	102.437%	126.600	127.700	129.200	0.000	5041.000	4759.000	4956.000	4981.000	0.000
3	13:11:18	102.913%	124.700	128.200	126.300	0.000	5052.000	4788.000	4985.000	4997.000	0.000
X		102.596%	125.900	126.900	127.100	0.000	5015.000	4757.000	4949.000	4968.000	0.000
σ		0.275%	1.055	1.841	1.909	0.000	54.370	31.590	40.110	36.120	0.000
%RSD		0.268	0.838	1.451	1.502	0.000	1.084	0.664	0.810	0.727	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:07:47	4903.000	5110.000	5064.000	99.019%	124.600	122.700	124.600	3149.000	122.100	4969.000
2	13:09:32	5003.000	5092.000	5102.000	100.070%	123.400	122.300	125.200	3163.000	122.600	4990.000
3	13:11:18	5002.000	5185.000	5108.000	100.308%	125.700	123.300	125.800	3145.000	123.100	5013.000
X		4969.000	5129.000	5091.000	99.799%	124.600	122.800	125.200	3152.000	122.600	4991.000
σ		57.570	49.050	23.490	0.686%	1.136	0.491	0.588	9.975	0.493	22.070
%RSD		1.158	0.956	0.461	0.688	0.912	0.400	0.470	0.316	0.402	0.442

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:07:47	5083.000	123.900	128.500	123.700	124.900	125.700	M 282.500	124.500	127.900	124.200
2	13:09:32	5052.000	124.000	128.800	125.900	125.000	125.200	M 283.300	125.900	124.300	125.500
3	13:11:18	5085.000	124.800	129.200	125.200	124.700	124.400	M 281.800	124.800	125.200	123.600
X		5073.000	124.200	128.900	124.900	124.900	125.100	M 282.600	125.000	125.800	124.400
σ		18.550	0.457	0.350	1.112	0.166	0.652	M 0.745	0.734	1.845	0.952
%RSD		0.366	0.368	0.272	0.890	0.133	0.521	M 0.264	0.587	1.467	0.765

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:07:47	95.970%	125.200	94.216%	135.800	1.459	185.600	122.600	122.500	93.065%	123.000
2	13:09:32	98.527%	125.400	100.142%	139.200	1.711	189.300	123.000	123.300	99.616%	124.200
3	13:11:18	98.666%	126.500	100.620%	140.000	1.731	190.900	124.300	123.700	100.714%	124.800
X		97.721%	125.700	98.326%	138.300	1.634	188.600	123.300	123.200	97.798%	124.000
σ		1.518%	0.668	3.567%	2.215	0.151	2.728	0.893	0.609	4.136%	0.889
%RSD		1.554	0.532	3.628	1.601	9.269	1.447	0.724	0.495	4.229	0.717

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:07:47	126.100	123.700	94.343%	94.077%	120.900	120.600	123.200	95.715%	0.000	0.000
2	13:09:32	126.900	124.500	97.880%	98.239%	122.300	121.500	123.200	99.628%	0.000	0.000
3	13:11:18	127.600	124.000	98.762%	98.528%	122.900	122.300	123.800	99.987%	0.000	0.000
X		126.900	124.100	96.995%	96.948%	122.000	121.500	123.400	98.443%	0.000	0.000
σ		0.725	0.394	2.339%	2.491%	1.068	0.845	0.372	2.370%	0.000	0.000
%RSD		0.571	0.318	2.411	2.569	0.875	0.696	0.302	2.407	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:34	102.573%	0.018	2.246	1.884	0.000	1.958	-0.567	0.242	-2.886	0.000
2	13:18:19	103.901%	0.009	1.253	1.097	0.000	-0.608	-2.275	-1.613	-4.471	0.000
3	13:20:05	104.084%	-0.006	0.619	0.745	0.000	-1.122	-3.239	-2.294	-5.285	0.000
		103.519%	0.007	1.373	1.242	0.000	0.076	-2.027	-1.222	-4.214	0.000

x											
σ		0.825%	0.012	0.820	0.584	0.000	1.650	1.353	1.312	1.220	0.000
%RSD		0.797	177.800	59.750	46.980	0.000	2171.000	66.740	107.400	28.950	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:34	-1.575	-67.220	-39.110	98.858%	-0.223	0.254	0.084	3165.000	0.015	3.381
2	13:18:19	-4.513	-73.210	-42.220	100.219%	-0.248	-0.619	-0.025	3104.000	-0.026	1.181
3	13:20:05	-5.435	-74.030	-44.010	100.779%	-0.241	0.042	-0.017	3047.000	-0.043	0.573
x		-3.841	-71.490	-41.780	99.952%	-0.237	-0.108	0.014	3105.000	-0.018	1.711
σ		2.016	3.718	2.480	0.988%	0.013	0.455	0.061	58.730	0.030	1.477
%RSD		52.470	5.201	5.937	0.988	5.318	422.800	436.000	1.891	164.400	86.330
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:34	-0.912	0.058	-0.149	-0.065	-1.386	-1.005	-6.337	-0.263	0.448	0.106
2	13:18:19	-2.258	0.014	-0.200	-0.453	-1.445	-1.003	-6.215	-0.039	0.621	-0.309
3	13:20:05	-2.707	-0.004	-0.184	-0.362	-1.437	-1.039	-6.543	0.015	0.459	-0.179
x		-1.959	0.023	-0.178	-0.293	-1.423	-1.016	-6.365	-0.096	0.509	-0.128
σ		0.934	0.032	0.026	0.203	0.032	0.020	0.166	0.147	0.097	0.212
%RSD		47.680	140.100	14.460	69.100	2.250	1.986	2.606	154.100	19.030	166.100
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:34	94.722%	-0.558	93.359%	0.080	0.993	0.128	0.024	0.051	92.026%	0.084
2	13:18:19	97.361%	-0.738	99.471%	0.028	1.076	0.038	-0.067	-0.015	97.904%	0.048
3	13:20:05	97.757%	-0.870	100.264%	-0.001	0.986	0.013	0.000	0.025	99.904%	0.017
x		96.613%	-0.722	97.698%	0.036	1.018	0.059	-0.014	0.020	96.611%	0.050
σ		1.650%	0.156	3.779%	0.041	0.050	0.060	0.047	0.033	4.095%	0.034
%RSD		1.708	21.660	3.868	116.300	4.901	101.400	333.600	163.200	4.239	68.030
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:34	0.092	0.015	92.856%	92.515%	0.331	0.328	0.018	94.228%	0.000	0.000
2	13:18:19	0.035	-0.055	96.150%	95.994%	0.181	0.196	-0.029	97.279%	0.000	0.000
3	13:20:05	-0.002	-0.080	97.256%	96.756%	0.125	0.125	-0.051	98.117%	0.000	0.000
x		0.042	-0.040	95.421%	95.088%	0.213	0.216	-0.021	96.541%	0.000	0.000
σ		0.047	0.049	2.289%	2.261%	0.106	0.103	0.035	2.047%	0.000	0.000
%RSD		113.500	123.200	2.398	2.377	49.970	47.680	167.100	2.120	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:22	97.026%	0.039	0.667	0.945	0.000	M 101200.000	M 98840.000	M 97970.000	M 100900.000
2	13:27:08	95.975%	-0.011	0.825	0.902	0.000	M 104200.000	M 102000.000	M 101100.000	M 103500.000
3	13:28:53	98.350%	-0.020	0.591	0.752	0.000	M 102200.000	M 99940.000	M 99190.000	M 101400.000
x		97.117%	0.002	0.694	0.867	0.000	M 102500.000	M 100300.000	M 99430.000	M 101900.000
σ		1.190%	0.032	0.120	0.101	0.000	M 1530.000	M 1616.000	M 1584.000	M 1339.000
%RSD		1.225	1276.000	17.210	11.670	0.000	M 1.493	M 1.612	M 1.593	M 1.313
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:22	M 99930.000	M 100500.000	M 111400.000	95.613%	M 2136.000	-0.482	3.276	3132.000	0.043
2	13:27:08	M 102600.000	M 103400.000	M 114200.000	95.416%	M 2164.000	0.895	3.181	3036.000	0.051
3	13:28:53	M 101900.000	M 102400.000	M 113600.000	95.941%	M 2154.000	0.226	3.159	2943.000	0.004
x		M 101500.000	M 102100.000	M 113100.000	95.657%	M 2151.000	0.213	3.205	3037.000	0.033
σ		M 1375.000	M 1487.000	M 1473.000	0.265%	M 14.470	0.689	0.062	94.320	0.025
%RSD		M 1.355	M 1.456	M 1.303	0.277	M 0.672	323.300	1.928	3.106	78.090
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:22	M 105000.000	0.110	1.298	7.215	0.403	-0.111	-2.888	0.415	0.978
2	13:27:08	M 107000.000	0.062	1.284	7.324	0.366	0.047	-2.519	-0.057	0.757
3	13:28:53	M 106200.000	0.085	1.128	7.241	0.424	0.056	-2.838	-0.005	1.081
x		M 106100.000	0.086	1.237	7.260	0.398	-0.002	-2.748	0.118	0.939
σ		M 1006.000	0.024	0.094	0.057	0.030	0.094	0.200	0.259	0.166
%RSD		M 0.949	27.820	7.637	0.789	7.431	3750.000	7.287	219.900	17.640

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:22	92.558%	M 2287.000	87.290%	0.314	3.791	0.419	0.561	0.417	88.582%
2	13:27:08	94.658%	M 2327.000	93.172%	0.275	4.032	0.400	0.364	0.297	94.592%
3	13:28:53	94.877%	M 2323.000	93.920%	0.266	3.684	0.387	0.558	0.454	96.577%
X		94.031%	M 2312.000	91.461%	0.285	3.836	0.402	0.494	0.390	93.250%
σ		1.280%	M 22.220	3.631%	0.026	0.178	0.016	0.113	0.082	4.163%
%RSD		1.361	M 0.961	3.970	9.039	4.651	4.030	22.770	21.010	4.464

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:22	1.459	0.246	92.285%	92.283%	0.123	0.141	0.986	89.533%	0.000
2	13:27:08	1.548	0.178	96.074%	96.321%	0.092	0.102	0.991	93.081%	0.000
3	13:28:53	1.550	0.236	97.003%	97.011%	0.068	0.084	0.969	93.945%	0.000
X		1.519	0.220	95.121%	95.205%	0.094	0.109	0.982	92.187%	0.000
σ		0.052	0.037	2.499%	2.554%	0.027	0.029	0.011	2.338%	0.000
%RSD		3.400	16.810	2.627	2.683	29.160	26.490	1.162	2.536	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:12	97.088%	-0.003	0.953	1.127	0.000	M 103800.000	M 101900.000	M 101000.000	M 103700.000
2	13:35:58	95.713%	-0.011	0.622	0.781	0.000	M 106300.000	M 103600.000	M 102700.000	M 104900.000
3	13:37:43	96.164%	-0.024	0.619	0.618	0.000	M 105900.000	M 103700.000	M 102600.000	M 104700.000
X		96.322%	-0.013	0.731	0.842	0.000	M 105300.000	M 103100.000	M 102100.000	M 104400.000
σ		0.701%	0.010	0.192	0.260	0.000	M 1320.000	M 1005.000	M 976.600	M 665.800
%RSD		0.728	82.750	26.260	30.860	0.000	M 1.253	M 0.976	M 0.957	M 0.638

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:12	M 102500.000	M 103700.000	M 114900.000	95.270%	M 2195.000	-0.443	23.610	2924.000	20.670
2	13:35:58	M 104700.000	M 105200.000	M 116600.000	94.841%	M 2208.000	-0.115	23.770	2859.000	20.750
3	13:37:43	M 105700.000	M 106300.000	M 118300.000	93.754%	M 2226.000	0.375	23.710	2776.000	20.810
X		M 104300.000	M 105100.000	M 116600.000	94.622%	M 2210.000	-0.061	23.700	2853.000	20.740
σ		M 1645.000	M 1324.000	M 1733.000	0.782%	M 15.490	0.412	0.081	74.270	0.068
%RSD		M 1.577	M 1.260	M 1.486	0.826	M 0.701	674.800	0.344	2.603	0.328

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:12	M 108300.000	20.250	21.470	27.000	20.580	20.210	40.130	20.080	1.821
2	13:35:58	M 110000.000	20.430	21.790	27.510	20.650	19.930	40.410	19.350	1.733
3	13:37:43	M 110700.000	20.630	22.170	27.070	20.740	20.250	41.820	20.020	1.513
X		M 109700.000	20.440	21.810	27.190	20.660	20.130	40.790	19.820	1.689
σ		M 1217.000	0.194	0.347	0.276	0.081	0.173	0.904	0.407	0.158
%RSD		M 1.110	0.950	1.592	1.015	0.392	0.860	2.217	2.054	9.377

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:12	92.138%	M 2386.000	86.727%	21.940	3.817	29.870	20.370	19.970	89.018%
2	13:35:58	94.525%	M 2379.000	92.870%	22.630	4.134	30.290	20.170	20.310	94.823%
3	13:37:43	94.791%	M 2404.000	93.063%	22.990	3.769	30.830	20.940	20.410	95.947%
X		93.818%	M 2390.000	90.887%	22.520	3.906	30.330	20.490	20.230	93.262%
σ		1.461%	M 12.760	3.604%	0.532	0.198	0.481	0.401	0.230	3.719%
%RSD		1.557	M 0.534	3.965	2.363	5.074	1.587	1.959	1.139	3.987

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:34:12	1.583	0.207	92.924%	92.644%	0.198	0.209	0.991	89.918%	0.000
2	13:35:58	1.633	0.199	96.307%	96.882%	0.192	0.207	1.009	93.484%	0.000
3	13:37:43	1.747	0.232	97.414%	97.581%	0.189	0.202	1.003	94.392%	0.000
X		1.654	0.213	95.549%	95.702%	0.193	0.206	1.001	92.598%	0.000
σ		0.084	0.017	2.339%	2.672%	0.005	0.003	0.009	2.365%	0.000
%RSD		5.069	8.072	2.448	2.792	2.351	1.667	0.917	2.554	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:00	100.569%	122.000	117.800	120.700	0.000	5118.000	4900.000	4989.000	4975.000	0.000
2	13:44:45	100.345%	121.400	121.400	123.700	0.000	5104.000	4835.000	5002.000	4975.000	0.000
3	13:46:31	100.542%	120.800	127.000	122.700	0.000	5081.000	4767.000	4924.000	4954.000	0.000
x		100.485%	121.400	122.100	122.400	0.000	5101.000	4834.000	4972.000	4968.000	0.000
σ		0.122%	0.562	4.625	1.542	0.000	18.610	66.400	41.330	12.150	0.000
%RSD		0.122	0.463	3.789	1.260	0.000	0.365	1.374	0.831	0.245	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:00	5026.000	5271.000	5230.000	97.194%	128.400	124.000	125.700	2725.000	124.000	5105.000
2	13:44:45	5003.000	5234.000	5181.000	97.026%	125.000	124.300	125.600	2636.000	124.700	5053.000
3	13:46:31	5033.000	5104.000	5175.000	96.755%	127.900	123.100	125.400	2663.000	124.700	5087.000
x		5021.000	5203.000	5195.000	96.992%	127.100	123.800	125.600	2675.000	124.500	5082.000
σ		15.690	87.870	30.550	0.222%	1.833	0.643	0.163	45.790	0.379	26.390
%RSD		0.313	1.689	0.588	0.228	1.443	0.519	0.130	1.712	0.304	0.519

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:00	5265.000	125.200	130.200	126.500	125.400	126.400	M 285.200	125.900	127.000	127.100
2	13:44:45	5160.000	124.100	128.700	124.400	125.000	125.200	M 287.400	125.500	124.300	123.900
3	13:46:31	5167.000	125.600	129.500	126.100	125.600	124.900	M 289.600	125.600	127.800	126.100
x		5197.000	125.000	129.500	125.700	125.400	125.500	M 287.400	125.700	126.400	125.700
σ		58.510	0.757	0.792	1.128	0.328	0.820	M 2.230	0.221	1.862	1.684
%RSD		1.126	0.606	0.612	0.898	0.261	0.653	M 0.776	0.175	1.473	1.340

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:00	96.266%	132.800	94.432%	134.700	1.700	185.100	122.100	122.800	94.649%	123.600
2	13:44:45	98.318%	131.600	99.335%	139.400	1.302	189.400	125.500	124.600	99.467%	125.500
3	13:46:31	97.795%	130.000	99.523%	140.400	1.714	189.900	125.300	125.200	100.089%	125.100
x		97.460%	131.500	97.763%	138.200	1.572	188.100	124.300	124.200	98.068%	124.700
σ		1.066%	1.374	2.887%	3.024	0.234	2.632	1.911	1.267	2.978%	1.019
%RSD		1.094	1.046	2.953	2.188	14.880	1.399	1.538	1.020	3.036	0.817

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:43:00	126.400	123.000	97.087%	97.139%	121.700	121.200	123.500	98.896%	0.000	0.000
2	13:44:45	127.700	123.000	99.591%	99.749%	122.900	122.400	124.100	101.540%	0.000	0.000
3	13:46:31	128.100	123.700	100.246%	100.022%	122.900	123.000	124.400	101.090%	0.000	0.000
x		127.400	123.300	98.975%	98.970%	122.500	122.200	124.000	100.508%	0.000	0.000
σ		0.933	0.422	1.667%	1.592%	0.706	0.896	0.491	1.415%	0.000	0.000
%RSD		0.732	0.342	1.684	1.608	0.577	0.733	0.396	1.408	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:48	98.531%	0.071	1.820	1.847	0.000	50.830	48.680	48.490	46.240	0.000
2	13:53:33	99.118%	-0.008	0.825	0.976	0.000	13.900	12.900	13.340	10.760	0.000
3	13:55:18	99.414%	-0.004	0.721	0.687	0.000	5.625	4.877	5.073	3.028	0.000
x		99.021%	0.019	1.122	1.170	0.000	23.450	22.150	22.300	20.010	0.000
σ		0.450%	0.044	0.607	0.604	0.000	24.070	23.320	23.050	23.040	0.000
%RSD		0.454	228.300	54.090	51.600	0.000	102.600	105.300	103.400	115.200	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:48	42.260	-23.100	11.930	94.964%	0.863	1.138	0.036	2657.000	0.077	50.770
2	13:53:33	6.509	-53.450	-28.060	94.561%	0.011	1.005	-0.124	2547.000	-0.013	15.060
3	13:55:18	-0.191	-65.660	-35.690	94.421%	-0.146	0.840	-0.155	2501.000	-0.043	7.373
x		16.190	-47.400	-17.270	94.648%	0.243	0.995	-0.081	2568.000	0.007	24.400
σ		22.820	21.920	25.570	0.282%	0.543	0.149	0.102	80.200	0.063	23.160
%RSD		140.900	46.240	148.000	0.298	223.500	15.000	126.500	3.123	878.900	94.910

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:48	47.610	0.100	-0.099	-0.216	-1.359-	0.926	-6.095	0.025	3.049	0.139

2	13:53:33	12.230	0.017	-0.117	-0.349	-1.434-	1.060	-6.536	-0.208	2.706	0.108
3	13:55:18	4.106-	0.001	-0.174	-0.131	-1.464-	1.038	-6.336	0.148	2.048	0.025
x		21.320	0.039	-0.130	-0.232	-1.419	-1.008	-6.322	-0.012	2.601	0.090
σ		23.130	0.054	0.039	0.110	0.054	0.072	0.221	0.181	0.508	0.059
%RSD		108.500	139.500	30.010	47.590	3.830	7.120	3.499	1533.000	19.550	65.380

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:48	94.286%	1.826	91.680%	0.124	0.954	0.182	0.114	0.144	91.315%	0.128
2	13:53:33	94.649%	0.701	97.606%	0.034	1.069	0.048	-0.030	-0.014	95.746%	0.037
3	13:55:18	95.180%	0.245	98.064%	0.006	0.917	0.016	0.074	0.063	97.611%	0.010
x		94.705%	0.924	95.783%	0.054	0.980	0.082	0.053	0.064	94.891%	0.058
σ		0.449%	0.814	3.561%	0.061	0.079	0.088	0.074	0.079	3.234%	0.062
%RSD		0.474	88.090	3.717	113.000	8.063	107.900	140.700	122.700	3.408	105.700

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:51:48	0.152	0.024	94.132%	93.821%	0.360	0.360	0.061	96.240%	0.000	0.000
2	13:53:33	0.047-	0.096	96.318%	96.563%	0.154	0.191	-0.024	98.400%	0.000	0.000
3	13:55:18	0.028-	0.071	97.058%	97.683%	0.128	0.120	-0.040	99.237%	0.000	0.000
x		0.076	-0.048	95.836%	96.022%	0.214	0.224	-0.001	97.959%	0.000	0.000
σ		0.067	0.063	1.521%	1.987%	0.127	0.124	0.054	1.546%	0.000	0.000
%RSD		88.600	132.400	1.587	2.069	59.470	55.200	5085.000	1.578	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:34	102.189%	-0.067	1.414	1.882	0.000	-7.822	-9.920	-8.555	-6.049	0.000
2	14:02:20	103.835%	-0.044	1.720	1.351	0.000	-4.457	-6.231	-5.023	-2.146	0.000
3	14:04:05	103.385%	-0.020	1.426	1.292	0.000	8.321	4.230	5.255	6.999	0.000
x		103.136%	-0.043	1.520	1.508	0.000	-1.320	-3.974	-2.774	-0.399	0.000
σ		0.851%	0.024	0.173	0.325	0.000	8.517	7.340	7.175	6.697	0.000
%RSD		0.825	54.200	11.390	21.550	0.000	645.400	184.700	258.600	1680.000	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:34	-12.010	-103.000	-46.980	94.692%	-0.182	-5.815	2.682	14380.000	0.319	2.386
2	14:02:20	-9.657	-112.500	-42.960	95.579%	-0.126	-1.312	2.248	13880.000	0.308	4.669
3	14:04:05	2.979	-81.710	-31.680	94.463%	-0.119	-4.771	1.963	13210.000	0.357	14.450
x		-6.231	-99.060	-40.540	94.911%	-0.142	-3.966	2.297	13820.000	0.328	7.169
σ		8.062	15.750	7.930	0.590%	0.035	2.357	0.362	586.200	0.026	6.410
%RSD		129.400	15.900	19.560	0.621	24.470	59.420	15.770	4.241	7.941	89.410

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:34	-10.080	-0.031	0.332	-0.108	5.073	6.088	9.012	-0.017	4.371	-0.340
2	14:02:20	-8.437	-0.043	0.542	0.423	4.888	5.739	8.545	-0.508	3.518	-0.441
3	14:04:05	3.100	-0.004	0.652	0.243	4.997	5.755	10.100	-0.694	2.951	-0.015
x		-5.138	-0.026	0.509	0.186	4.986	5.860	9.221	-0.406	3.613	-0.266
σ		7.181	0.020	0.163	0.270	0.093	0.197	0.800	0.350	0.715	0.223
%RSD		139.800	77.510	32.020	145.300	1.865	3.362	8.680	86.040	19.790	83.810

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:34	93.741%	-0.071	91.197%	0.012	1.781	0.018	0.156	0.117	91.239%	0.396
2	14:02:20	96.122%	-0.516	97.642%	0.008	1.910	0.028	0.035	0.048	96.471%	0.289
3	14:04:05	96.176%	-0.603	97.746%	0.008	1.761	0.055	0.215	0.154	98.435%	0.317
x		95.346%	-0.397	95.528%	0.009	1.817	0.034	0.136	0.106	95.381%	0.334
σ		1.391%	0.286	3.751%	0.002	0.081	0.019	0.092	0.054	3.720%	0.055
%RSD		1.459	71.980	3.927	22.610	4.446	57.090	67.890	50.790	3.900	16.570

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:00:34	0.630	-0.044	94.853%	94.774%	0.151	0.176	0.09599.396%		0.000	0.000
2	14:02:20	0.886	-0.038	98.307%	98.393%	0.139	0.121	0.085	101.482%	0.000	0.000
3	14:04:05	0.915	-0.037	98.803%	98.894%	0.071	0.100	0.116	102.015%	0.000	0.000
x		0.810	-0.039	97.321%	97.354%	0.120	0.133	0.099	100.964%	0.000	0.000

σ		0.157	0.004	2.152%	2.248%	0.043	0.039	0.016	1.384%	0.000	0.000
%RSD		19.350	10.150	2.211	2.309	35.710	29.760	15.730	1.371	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:09:22	104.605%	-0.036	1.090	1.320	0.000	-9.113	-10.670	-8.733	-7.718	0.000
2	14:11:08	103.504%	-0.051	0.959	1.135	0.000	-5.886	-8.438	-7.395	-5.811	0.000
3	14:12:53	102.981%	-0.083	0.699	1.164	0.000	-3.247	-6.988	-6.044	-4.535	0.000
x		103.697%	-0.057	0.916	1.206	0.000	-6.082	-8.700	-7.391	-6.021	0.000
σ		0.829%	0.024	0.199	0.099	0.000	2.938	1.857	1.344	1.602	0.000
%RSD		0.799	41.780	21.760	8.242	0.000	48.300	21.340	18.190	26.600	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:09:22	-13.500	-115.400	-51.740	94.965%	-0.294	-6.640	2.416	14160.000	0.285	-1.592
2	14:11:08	-11.450	-103.800	-50.090	94.675%	-0.214	-6.033	2.042	13700.000	0.286	-1.074
3	14:12:53	-8.286	-103.500	-41.780	94.225%	-0.133	-1.479	1.803	13260.000	0.251	0.148
x		-11.080	-107.600	-47.870	94.622%	-0.214	-4.717	2.087	13710.000	0.274	-0.840
σ		2.629	6.759	5.340	0.373%	0.080	2.821	0.309	450.200	0.020	0.893
%RSD		23.730	6.282	11.150	0.394	37.500	59.800	14.800	3.284	7.246	106.400

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:09:22	-13.770	-0.041	0.536	0.206	3.524	4.574	5.919	-0.175	5.196	0.032
2	14:11:08	-14.250	-0.044	0.671	0.025	3.115	3.845	8.692	-0.064	3.400	0.515
3	14:12:53	-12.790	-0.025	0.711	0.629	2.923	3.866	10.420	0.376	4.111	-0.239
x		-13.610	-0.036	0.639	0.287	3.188	4.095	8.344	0.046	4.235	0.103
σ		0.745	0.010	0.092	0.310	0.307	0.415	2.271	0.292	0.905	0.382
%RSD		5.474	28.630	14.330	108.200	9.628	10.130	27.210	636.300	21.360	371.600

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:09:22	93.865%	-1.272	91.170%	-0.029	1.807	-0.019	0.128	0.093	90.817%	0.087
2	14:11:08	95.776%	-1.377	97.112%	-0.021	1.916	-0.008	0.027	0.050	96.407%	0.098
3	14:12:53	96.886%	-1.390	98.246%	-0.016	1.963	-0.005	0.009	0.026	98.933%	0.075
x		95.509%	-1.346	95.509%	-0.022	1.896	-0.011	0.055	0.056	95.386%	0.087
σ		1.528%	0.064	3.800%	0.007	0.080	0.007	0.064	0.034	4.153%	0.011
%RSD		1.600	4.775	3.979	30.370	4.225	70.480	117.800	59.560	4.354	12.880

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:09:22	0.730	-0.093	94.362%	94.481%	0.009	0.005	0.024	97.485%	0.000	0.000
2	14:11:08	1.027	-0.115	97.473%	98.400%	-0.024	-0.018	0.028	100.626%	0.000	0.000
3	14:12:53	0.977	-0.169	98.976%	99.822%	-0.035	-0.018	0.031	101.567%	0.000	0.000
x		0.911	-0.126	96.937%	97.568%	-0.016	-0.010	0.028	99.893%	0.000	0.000
σ		0.159	0.039	2.353%	2.766%	0.023	0.014	0.004	2.137%	0.000	0.000
%RSD		17.430	31.320	2.428	2.835	140.300	131.200	12.780	2.139	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:10	104.994%	442.000	10.820	7.943	0.000	4625.000	4897.000	4877.000	4567.000	0.000
2	14:19:56	104.590%	439.000	8.222	8.393	0.000	4654.000	4946.000	4928.000	4600.000	0.000
3	14:21:41	103.652%	431.000	8.428	7.745	0.000	4664.000	4925.000	4900.000	4586.000	0.000
x		104.412%	437.400	9.158	8.027	0.000	4648.000	4923.000	4902.000	4585.000	0.000
σ		0.688%	5.679	1.446	0.332	0.000	20.170	24.440	25.500	16.550	0.000
%RSD		0.659	1.299	15.790	4.138	0.000	0.434	0.497	0.520	0.361	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:10	4647.000	5245.000	5208.000	96.200%	469.100	M 528.500	474.200	11390.000	468.700	5252.000
2	14:19:56	4638.000	5209.000	5187.000	96.909%	465.900	M 542.100	473.200	11800.000	467.800	5257.000
3	14:21:41	4678.000	5120.000	5239.000	95.594%	467.300	M 543.200	470.700	12160.000	469.100	5253.000
x		4655.000	5191.000	5211.000	96.234%	467.500	M 537.900	472.700	11780.000	468.600	5254.000
		20.800	64.400	25.770	0.658%	1.600	M 8.196	1.815	386.900	0.659	2.736

σ											
%RSD		0.447	1.241	0.495	0.684	0.342	M 1.524	0.384	3.283	0.141	0.054
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:10	5349.000	471.200	485.500	481.400	475.300	478.500	M 964.500	441.400	434.800	422.400
2	14:19:56	5336.000	468.400	483.500	472.400	470.500	474.800	M 965.600	445.000	427.100	422.000
3	14:21:41	5336.000	465.700	480.400	466.700	469.000	467.900	M 962.000	441.200	424.500	419.500
x		5341.000	468.400	483.200	473.500	471.600	473.800	M 964.000	442.600	428.800	421.300
σ		7.126	2.783	2.564	7.422	3.304	5.378	M 1.808	2.142	5.356	1.553
%RSD		0.133	0.594	0.531	1.567	0.701	1.135	M 0.188	0.484	1.249	0.369
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:10	93.986%	472.400	90.664%	209.400	4.130	287.000	455.600	454.000	90.935%	0.016
2	14:19:56	95.979%	468.800	98.410%	209.600	2.860	286.200	454.000	455.400	96.554%	0.049
3	14:21:41	95.645%	468.100	97.364%	212.700	2.957	288.200	454.400	454.400	97.401%	0.059
x		95.203%	469.800	95.480%	210.600	3.316	287.100	454.700	454.600	94.964%	0.042
σ		1.067%	2.331	4.203%	1.862	0.707	0.986	0.843	0.735	3.514%	0.023
%RSD		1.121	0.496	4.402	0.884	21.330	0.343	0.186	0.162	3.700	54.380
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:18:10	472.900	471.200	94.468%	94.592%	453.700	474.800	467.600	96.123%	0.000	0.000
2	14:19:56	471.900	470.700	97.724%	97.948%	457.400	482.200	466.600	99.315%	0.000	0.000
3	14:21:41	472.700	465.700	98.281%	98.676%	459.200	485.300	466.800	99.457%	0.000	0.000
x		472.500	469.200	96.825%	97.072%	456.800	480.700	467.000	98.298%	0.000	0.000
σ		0.553	3.009	2.060%	2.178%	2.770	5.399	0.532	1.885%	0.000	0.000
%RSD		0.117	0.641	2.127	2.244	0.606	1.123	0.114	1.918	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:58	103.656%	452.100	7.763	8.237	0.000	4644.000	4955.000	4956.000	4858.000	0.000
2	14:28:44	105.308%	440.100	8.616	8.599	0.000	4653.000	4939.000	4943.000	4843.000	0.000
3	14:30:29	103.876%	448.500	8.202	8.538	0.000	4698.000	4957.000	4951.000	4871.000	0.000
x		104.280%	446.900	8.193	8.458	0.000	4665.000	4950.000	4950.000	4857.000	0.000
σ		0.897%	6.172	0.427	0.194	0.000	29.010	9.669	6.861	13.580	0.000
%RSD		0.860	1.381	5.206	2.294	0.000	0.622	0.195	0.139	0.280	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:58	4617.000	5255.000	5170.000	96.577%	468.200	M 531.000	471.200	12160.000	466.000	5241.000
2	14:28:44	4661.000	5162.000	5274.000	97.217%	473.000	M 547.900	472.900	12240.000	470.100	5317.000
3	14:30:29	4663.000	5253.000	5201.000	97.000%	468.200	M 545.200	472.000	12400.000	469.500	5321.000
x		4647.000	5224.000	5215.000	96.931%	469.800	M 541.400	472.000	12270.000	468.500	5293.000
σ		25.900	53.060	52.980	0.325%	2.779	M 9.057	0.868	126.700	2.205	44.990
%RSD		0.557	1.016	1.016	0.336	0.592	M 1.673	0.184	1.033	0.470	0.850
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:58	5334.000	468.000	488.400	472.300	M 502.000	M 506.900	M 971.200	443.400	429.500	416.700
2	14:28:44	5367.000	470.800	486.200	479.600	M 500.600	M 500.100	M 970.000	443.700	425.600	419.600
3	14:30:29	5373.000	468.200	484.100	467.400	495.100	497.300	M 967.000	440.800	425.900	418.000
x		5358.000	469.000	486.300	473.100	M 499.300	M 501.400	M 969.400	442.600	427.000	418.100
σ		21.210	1.588	2.141	6.161	M 3.668	M 4.973	M 2.126	1.593	2.159	1.444
%RSD		0.396	0.339	0.440	1.302	M 0.735	M 0.992	M 0.219	0.360	0.506	0.345
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:58	93.645%	473.700	89.834%	208.800	3.169	285.700	453.900	455.900	89.661%	144.000
2	14:28:44	95.889%	467.700	97.402%	210.400	2.464	287.900	453.500	454.700	96.096%	143.600
3	14:30:29	95.865%	472.700	97.674%	211.700	3.359	289.100	457.300	452.300	97.353%	150.600
x		95.133%	471.400	94.970%	210.300	2.998	287.500	454.900	454.300	94.370%	146.100
σ		1.289%	3.198	4.450%	1.454	0.472	1.720	2.134	1.846	4.126%	3.938
%RSD		1.355	0.678	4.686	0.692	15.740	0.598	0.469	0.406	4.372	2.696
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:26:58	474.900	471.600	93.935%	94.069%	452.600	475.700	464.400	96.154%	0.000	0.000
2	14:28:44	473.000	470.900	97.131%	97.744%	453.600	479.900	463.800	99.554%	0.000	0.000
3	14:30:29	474.000	470.900	97.814%	98.434%	453.900	480.400	461.600	100.625%	0.000	0.000
x		474.000	471.200	96.293%	96.749%	453.400	478.600	463.300	98.778%	0.000	0.000
σ		0.945	0.426	2.071%	2.347%	0.663	2.599	1.467	2.334%	0.000	0.000
%RSD		0.199	0.091	2.150	2.426	0.146	0.543	0.317	2.363	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:26	102.468%	50.130	4.378	4.165	0.000	36570.000	33360.000	33580.000	1939.000	0.000
2	14:37:12	103.740%	49.270	2.652	4.574	0.000	37000.000	33750.000	33640.000	1930.000	0.000
3	14:38:57	102.965%	49.380	2.601	4.495	0.000	37100.000	33940.000	33950.000	1942.000	0.000
x		103.058%	49.590	3.210	4.411	0.000	36890.000	33680.000	33720.000	1937.000	0.000
σ		0.641%	0.469	1.011	0.217	0.000	283.600	294.100	198.700	5.913	0.000
%RSD		0.622	0.946	31.500	4.913	0.000	0.769	0.873	0.589	0.305	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:26	26560.000	M 70140.000	M 69170.000	96.800%	1.477	493.600	203.400	17320.000	1123.000	2072.000
2	14:37:12	26750.000	M 69800.000	M 69660.000	98.135%	1.012	488.200	200.600	17150.000	1122.000	2078.000
3	14:38:57	27130.000	M 71190.000	M 70080.000	97.201%	0.962	491.600	201.400	17180.000	1127.000	2079.000
x		26810.000	M 70380.000	M 69640.000	97.379%	1.150	491.100	201.800	17220.000	1124.000	2076.000
σ		293.000	M 722.000	M 457.900	0.685%	0.284	2.751	1.474	90.920	2.631	3.688
%RSD		1.093	M 1.026	M 0.658	0.703	24.670	0.560	0.730	0.528	0.234	0.178

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:26	2361.000	496.900	518.000	506.400	257.100	257.600	M 1454.000	M 1954.000	M 1986.000	M 2004.000
2	14:37:12	2340.000	497.100	516.400	495.200	254.600	260.800	M 1460.000	M 1943.000	M 1976.000	M 1981.000
3	14:38:57	2335.000	493.400	511.200	503.100	254.900	257.500	M 1460.000	M 1951.000	M 1993.000	M 1985.000
x		2345.000	495.800	515.200	501.600	255.500	258.600	M 1458.000	M 1949.000	M 1985.000	M 1990.000
σ		13.630	2.070	3.518	5.735	1.370	1.870	M 3.498	M 5.712	M 8.659	M 12.030
%RSD		0.581	0.417	0.683	1.143	0.536	0.723	M 0.240	M 0.293	M 0.436	M 0.605

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:26	93.024%	-1.050	89.744%	55.510	4.998	75.930	50.130	50.570	89.708%	0.360
2	14:37:12	95.245%	-2.417	97.249%	55.890	5.571	76.800	49.320	49.370	96.880%	0.081
3	14:38:57	95.670%	-3.601	97.335%	56.960	5.380	77.800	50.150	49.920	97.129%	0.084
x		94.646%	-2.356	94.776%	56.120	5.316	76.840	49.870	49.950	94.572%	0.175
σ		1.421%	1.277	4.358%	0.754	0.291	0.938	0.477	0.603	4.214%	0.160
%RSD		1.501	54.190	4.598	1.344	5.484	1.221	0.957	1.206	4.456	91.640

Run	Time	121Sb	137Ba	9Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:26	511.200	M 2007.000	92.407%	92.391%	M 1926.000	M 2044.000	503.200	93.740%	0.000	0.000
2	14:37:12	505.300	M 1981.000	96.057%	96.029%	M 1928.000	M 2061.000	501.500	97.394%	0.000	0.000
3	14:38:57	510.200	M 1992.000	96.889%	96.844%	M 1927.000	M 2069.000	499.900	98.389%	0.000	0.000
x		508.900	M 1993.000	95.118%	95.088%	M 1927.000	M 2058.000	501.500	96.508%	0.000	0.000
σ		3.148	M 13.130	2.384%	2.371%	M 1.215	M 13.020	1.676	2.448%	0.000	0.000
%RSD		0.619	M 0.659	2.507	2.494	M 0.063	M 0.633	0.334	2.537	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:55	104.124%	49.650	3.795	3.267	0.000	35640.000	32530.000	32650.000	1886.000	0.000
2	14:45:41	103.133%	49.820	3.459	4.211	0.000	36300.000	33150.000	32950.000	1896.000	0.000
3	14:47:26	102.445%	49.060	3.111	3.819	0.000	36630.000	33540.000	33410.000	1905.000	0.000
x		103.234%	49.510	3.455	3.766	0.000	36190.000	33070.000	33000.000	1896.000	0.000
σ		0.844%	0.402	0.342	0.474	0.000	505.100	507.100	385.800	9.490	0.000
%RSD		0.818	0.813	9.908	12.590	0.000	1.396	1.533	1.169	0.501	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

Run	Time										
1	14:43:55	25980.000	M68120.000	M68010.000	96.276%	0.219	485.700	197.300	17370.000	1103.000	2036.000
2	14:45:41	26270.000	M68200.000	M68300.000	97.503%	1.260	477.000	194.900	17240.000	1099.000	2024.000
3	14:47:26	26510.000	M68700.000	M68720.000	97.512%	0.420	484.900	197.300	17200.000	1111.000	2041.000
x		26250.000	M68340.000	M68340.000	97.097%	0.633	482.600	196.500	17270.000	1104.000	2034.000
σ		264.200	M317.300	M353.300	0.711%	0.552	4.814	1.389	89.960	6.440	8.393
%RSD		1.006	M0.464	M0.517	0.733	87.260	0.998	0.707	0.521	0.583	0.413

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:55	2280.000	484.500	507.900	491.100	282.000	282.300	M1429.000	M1919.000	M1975.000	M1937.000
2	14:45:41	2285.000	483.900	501.000	497.600	278.200	282.200	M1418.000	M1909.000	M1955.000	M1946.000
3	14:47:26	2295.000	486.400	507.800	501.000	282.700	283.900	M1436.000	M1930.000	M1979.000	M1984.000
x		2287.000	484.900	505.600	496.600	280.900	282.800	M1428.000	M1920.000	M1970.000	M1956.000
σ		7.415	1.299	3.991	5.046	2.392	0.932	M8.918	M10.610	M12.540	M24.980
%RSD		0.324	0.268	0.789	1.016	0.851	0.330	M0.625	M0.553	M0.637	M1.278

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:55	92.577%	-4.144	90.259%	53.800	5.525	73.430	48.920	49.620	89.663%	0.331
2	14:45:41	94.772%	-4.280	96.455%	55.480	4.960	75.440	49.850	48.930	95.796%	0.263
3	14:47:26	94.717%	-4.479	97.432%	55.420	4.877	75.780	50.540	49.260	96.973%	0.192
x		94.022%	-4.301	94.715%	54.900	5.120	74.880	49.770	49.270	94.144%	0.262
σ		1.252%	0.169	3.890%	0.956	0.352	1.272	0.811	0.345	3.925%	0.070
%RSD		1.331	3.919	4.107	1.742	6.882	1.699	1.630	0.701	4.169	26.540

Run	Time	121Sb	137Ba[illegible]	9Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:55	502.200	M1965.000	92.747%	92.250%	M1742.000	M1862.000	489.000	94.664%	0.000	0.000
2	14:45:41	501.800	M1964.000	95.404%	95.692%	M1769.000	M1902.000	493.200	97.402%	0.000	0.000
3	14:47:26	504.300	M1978.000	95.930%	96.288%	M1789.000	M1919.000	496.000	97.939%	0.000	0.000
x		502.800	M1969.000	94.694%	94.743%	M1767.000	M1894.000	492.700	96.668%	0.000	0.000
σ		1.358	M7.582	1.706%	2.179%	M23.190	M29.500	3.513	1.756%	0.000	0.000
%RSD		0.270	M0.385	1.802	2.300	M1.312	M1.557	0.713	1.817	0.000	0.000

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User Pre-dilution: 10.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:54	101.288%	-0.333	4.021	4.446	0.000	11340.000	8528.000	8558.000	-51.220	0.000
2	15:02:39	100.645%	-0.210	0.713	3.706	0.000	11230.000	8469.000	8498.000	-52.030	0.000
3	15:04:25	101.907%	-0.214	5.526	3.428	0.000	11150.000	8377.000	8429.000	-52.370	0.000
x		101.280%	-0.252	3.420	3.860	0.000	11240.000	8458.000	8495.000	-51.870	0.000
σ		0.631%	0.070	2.462	0.526	0.000	96.630	75.960	64.810	0.590	0.000
%RSD		0.623	27.700	72.000	13.630	0.000	0.860	0.898	0.763	1.137	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:54	1670.000	42930.000	42660.000	95.287%	-2.254	7.504	-1.842	25170.000	621.600	972.000
2	15:02:39	1669.000	41560.000	42360.000	95.900%	-0.635	8.643	-2.489	23940.000	610.000	944.400
3	15:04:25	1666.000	41780.000	42470.000	95.584%	-1.170	10.890	-2.667	23530.000	611.900	949.300
x		1668.000	42090.000	42500.000	95.590%	-1.353	9.014	-2.333	24210.000	614.500	955.200
σ		2.134	737.400	152.900	0.306%	0.825	1.725	0.435	851.200	6.226	14.730
%RSD		0.128	1.752	0.360	0.320	60.960	19.140	18.630	3.515	1.013	1.542

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:54	1136.000	0.133	8.439	8.290	11.460	16.440	388.800	-0.298	15.320	-1.174
2	15:02:39	1138.000	0.054	7.805	5.023	10.540	15.210	365.100	4.152	7.748	3.183
3	15:04:25	1120.000	-0.091	7.541	6.870	9.913	14.650	375.100	1.238	12.360	4.009
x		1131.000	0.032	7.928	6.728	10.640	15.430	376.300	1.698	11.810	2.006
σ		9.618	0.114	0.461	1.638	0.776	0.913	11.900	2.260	3.817	2.785
%RSD		0.850	353.700	5.818	24.350	7.300	5.918	3.162	133.100	32.320	138.800

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:54	90.930%	-10.720	88.533%	-0.199	11.680	-0.083	-1.626	-0.985	88.259%	-0.243
2	15:02:39	93.158%	-10.790	95.440%	-0.150	11.280	-0.090	-1.266	-0.817	93.547%	-0.248
3	15:04:25	93.333%	-10.950	96.308%	-0.148	9.938	-0.136	-0.040	-0.048	95.748%	-0.[illegible]

x		92.474%	-10.820	93.427%	-0.166	10.970	-0.103	-0.977	-0.617	92.518%	-0.256
σ		1.340%	0.114	4.261%	0.029	0.913	0.028	0.832	0.500	3.849%	0.019
%RSD		1.449	1.049	4.561	17.280	8.328	27.550	85.100	80.980	4.161	7.507
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:54	-0.271	34.030	90.491%	89.911%	4.851	5.070	0.536	93.394%	0.000	0.000
2	15:02:39	-0.227	32.820	93.311%	93.094%	4.322	4.498	0.465	97.224%	0.000	0.000
3	15:04:25	-0.282	34.590	94.065%	94.769%	3.798	3.853	0.386	97.778%	0.000	0.000
x		-0.260	33.810	92.622%	92.591%	4.324	4.474	0.462	96.132%	0.000	0.000
σ		0.029	0.905	1.884%	2.468%	0.527	0.609	0.075	2.387%	0.000	0.000
%RSD		11.230	2.676	2.034	2.665	12.180	13.610	16.230	2.484	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:25	105.462%	-0.006	3.413	4.007	0.000	11260.000	8322.000	8611.000	-8.959	0.000
2	15:11:10	106.872%	-0.030	3.538	3.599	0.000	11160.000	8298.000	8223.000	-9.010	0.000
3	15:12:56	106.521%	-0.045	2.806	3.494	0.000	11320.000	8311.000	8293.000	-8.896	0.000
x		106.285%	-0.027	3.252	3.700	0.000	11240.000	8310.000	8375.000	-8.955	0.000
σ		0.734%	0.020	0.391	0.271	0.000	79.700	11.850	206.700	0.057	0.000
%RSD		0.691	72.890	12.030	7.321	0.000	0.709	0.143	2.468	0.636	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:25	1710.000	M 42130.000	M 41740.000	97.638%	0.870	-7.124	1.718	13310.000	M 604.300	1015.000
2	15:11:10	1697.000	M 42200.000	M 41530.000	98.857%	1.090	-3.808	1.744	13430.000	M 594.100	999.000
3	15:12:56	1720.000	M 42390.000	M 46010.000	98.112%	0.921	-4.905	1.870	13670.000	M 601.400	1015.000
x		1709.000	M 42240.000	M 43100.000	98.203%	0.960	-5.279	1.777	13470.000	M 599.900	1010.000
σ		11.170	M 131.600	M 2530.000	0.615%	0.115	1.689	0.082	186.100	M 5.272	9.095
%RSD		0.653	M 0.312	M 5.870	0.626	11.990	32.000	4.594	1.381	M 0.879	0.901

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:25	1169.000	-0.098	0.701	0.137	9.866	10.800	314.700	0.423	1.715-	0.632
2	15:11:10	1137.000	-0.141	0.649	0.531	9.451	10.040	307.500	-0.003	1.432-	0.258
3	15:12:56	1168.000	-0.116	0.584	0.134	9.462	10.740	312.500	0.379	-0.204-	0.400
x		1158.000	-0.118	0.645	0.267	9.593	10.530	311.600	0.266	0.981	-0.430
σ		18.020	0.022	0.059	0.228	0.236	0.424	3.692	0.235	1.036	0.189
%RSD		1.556	18.450	9.100	85.450	2.465	4.027	1.185	88.130	105.600	43.880

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:25	92.552%	-1.922	89.376%	-0.042	2.337	-0.025	-0.340	-0.205	89.044%	0.191
2	15:11:10	95.154%	-1.987	97.074%	-0.040	2.089	-0.036	-0.135	-0.081	95.955%	0.191
3	15:12:56	95.406%	-1.979	97.525%	-0.046	2.081	-0.021	-0.097	-0.064	97.855%	0.184
x		94.370%	-1.963	94.658%	-0.043	2.169	-0.027	-0.191	-0.116	94.285%	0.189
σ		1.580%	0.035	4.580%	0.003	0.146	0.008	0.131	0.077	4.637%	0.004
%RSD		1.674	1.802	4.839	7.887	6.722	28.470	68.380	66.010	4.918	1.972

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:25	0.308	34.460	93.049%	92.822%	0.699	0.770	0.468	96.633%	0.000	0.000
2	15:11:10	0.415	34.420	96.515%	97.041%	0.696	0.678	0.481	99.572%	0.000	0.000
3	15:12:56	0.338	34.050	97.197%	97.142%	0.628	0.606	0.465	100.199%	0.000	0.000
x		0.354	34.310	95.587%	95.668%	0.674	0.684	0.471	98.801%	0.000	0.000
σ		0.055	0.224	2.225%	2.465%	0.040	0.082	0.009	1.904%	0.000	0.000
%RSD		15.540	0.651	2.327	2.577	5.898	11.970	1.900	1.927	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:53	101.752%	126.200	125.600	124.600	0.000	5037.000	4768.000	4958.000	4979.000	0.000
2	15:19:38	100.434%	125.200	127.500	127.600	0.000	5129.000	4806.000	4775.000	5047.000	0.000
3	15:21:23	101.432%	128.100	132.000	130.100	0.000	5144.000	5081.000	5120.000	5105.000	0.000
		101.206%	126.500	128.400	127.500	0.000	5103.000	4885.000	4951.000	5044.000	0.000

x											
σ		0.688%	1.499	3.307	2.718	0.000	58.030	170.900	172.200	63.060	0.000
%RSD		0.679	1.185	2.576	2.132	0.000	1.137	3.498	3.478	1.250	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:53	4996.000	5135.000	5128.000	95.014%	124.400	123.000	126.000	3087.000	124.400	5101.000
2	15:19:38	5041.000	5162.000	5121.000	96.064%	125.800	123.200	125.600	3064.000	124.200	5096.000
3	15:21:23	5124.000	5250.000	5207.000	95.406%	125.500	125.100	127.800	3087.000	125.500	5193.000
x		5054.000	5182.000	5152.000	95.495%	125.200	123.800	126.500	3079.000	124.700	5130.000
σ		64.800	60.500	47.700	0.530%	0.710	1.173	1.198	13.140	0.724	54.460
%RSD		1.282	1.167	0.926	0.555	0.567	0.948	0.948	0.427	0.580	1.062
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:53	5109.000	124.900	128.700	126.900	124.800	124.900	M 289.100	125.900	126.400	125.900
2	15:19:38	5100.000	123.900	128.800	126.700	124.800	124.800	M 284.900	125.000	130.200	126.700
3	15:21:23	5184.000	126.300	130.600	125.700	126.500	126.700	M 289.500	128.800	128.800	130.100
x		5131.000	125.000	129.400	126.400	125.400	125.500	M 287.800	126.600	128.500	127.600
σ		45.950	1.207	1.066	0.652	1.015	1.087	M 2.541	1.993	1.943	2.242
%RSD		0.896	0.965	0.824	0.516	0.810	0.866	M 0.883	1.575	1.513	1.758
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:53	92.075%	126.300	88.943%	135.900	2.118	186.900	123.700	124.100	88.444%	125.700
2	15:19:38	94.186%	127.400	95.650%	138.300	1.657	188.800	125.000	125.100	94.391%	125.500
3	15:21:23	94.172%	129.200	95.512%	142.200	1.656	192.900	126.500	126.300	95.153%	128.500
x		93.478%	127.600	93.369%	138.800	1.810	189.500	125.100	125.200	92.663%	126.600
σ		1.215%	1.476	3.833%	3.174	0.267	3.097	1.405	1.093	3.673%	1.670
%RSD		1.300	1.156	4.105	2.286	14.730	1.634	1.123	0.873	3.964	1.319
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:53	128.400	124.900	91.789%	91.936%	122.200	122.200	124.500	93.734%	0.000	0.000
2	15:19:38	128.200	123.700	94.960%	94.722%	124.000	123.900	125.300	96.296%	0.000	0.000
3	15:21:23	130.300	126.200	94.937%	94.702%	125.700	125.600	126.700	96.558%	0.000	0.000
x		129.000	124.900	93.895%	93.787%	123.900	123.900	125.500	95.529%	0.000	0.000
σ		1.152	1.242	1.824%	1.603%	1.757	1.692	1.101	1.560%	0.000	0.000
%RSD		0.893	0.994	1.943	1.709	1.418	1.366	0.877	1.633	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:20	101.737%	0.087	2.221	2.089	0.000	3.891	2.968	3.601	-1.339	0.000
2	15:28:06	101.253%	-0.005	0.816	1.044	0.000	0.096	-1.529	-0.921	-4.077	0.000
3	15:29:51	99.878%	-0.008	0.715	0.742	0.000	-0.307	-1.893	-1.398	-4.515	0.000
x		100.956%	0.025	1.251	1.292	0.000	1.227	-0.151	0.427	-3.310	0.000
σ		0.964%	0.054	0.842	0.706	0.000	2.316	2.707	2.759	1.721	0.000
%RSD		0.955	220.900	67.310	54.690	0.000	188.800	1789.000	645.600	52.010	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:20	0.067	-60.140	-33.650	95.127%	-0.194	-0.495	0.137	3139.000	0.152	3.962
2	15:28:06	-3.411	-65.810	-42.210	95.167%	-0.233	0.887	-0.036	3065.000	0.022	0.745
3	15:29:51	-2.295	-71.400	-44.780	94.629%	-0.130	0.764	-0.061	3063.000	-0.033	0.521
x		-1.880	-65.780	-40.220	94.974%	-0.186	0.386	0.013	3089.000	0.047	1.743
σ		1.776	5.634	5.831	0.300%	0.052	0.765	0.108	43.380	0.095	1.926
%RSD		94.490	8.565	14.500	0.316	27.950	198.400	814.000	1.404	202.400	110.500
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:20	2.765	0.090	-0.157	-0.396	-1.401	-1.015	-6.877	0.316	1.713	0.081
2	15:28:06	-2.980	0.009	-0.229	-0.361	-1.504	-1.086	-6.827	0.057	1.190	-0.211
3	15:29:51	-1.693	0.005	-0.244	-0.286	-1.503	-1.094	-6.705	0.160	0.867	-0.398
x		-0.636	0.034	-0.210	-0.348	-1.469	-1.065	-6.803	0.177	1.257	-0.176
σ		3.015	0.048	0.047	0.056	0.059	0.043	0.089	0.130	0.427	0.242
%RSD		474.000	139.800	22.160	16.130	4.010	4.066	1.303	73.520	33.970	137.100

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:20	92.451%	-0.536	89.707%	0.112	1.079	0.162	0.038	0.063	88.916%	0.098
2	15:28:06	93.611%	-0.756	96.103%	0.010	0.907	0.029	0.079	0.069	94.519%	0.016
3	15:29:51	93.574%	-0.941	95.914%	0.005	1.089	0.020	-0.091	-0.045	94.674%	0.017
X		93.212%	-0.744	93.908%	0.042	1.025	0.070	0.008	0.029	92.703%	0.043
σ		0.659%	0.203	3.639%	0.060	0.102	0.080	0.089	0.064	3.281%	0.047
%RSD		0.707	27.240	3.875	141.200	9.965	113.300	1049.000	221.900	3.539	108.300

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:20	0.103	0.024	91.616%	90.902%	0.523	0.528	0.049	93.292%	0.000	0.000
2	15:28:06	0.036	-0.055	93.735%	93.727%	0.334	0.346	-0.031	95.713%	0.000	0.000
3	15:29:51	0.012	-0.073	94.082%	94.563%	0.257	0.273	-0.048	96.196%	0.000	0.000
X		0.050	-0.035	93.144%	93.064%	0.372	0.383	-0.010	95.067%	0.000	0.000
σ		0.047	0.051	1.335%	1.919%	0.137	0.131	0.052	1.556%	0.000	0.000
%RSD		94.010	148.000	1.433	2.062	36.780	34.310	517.100	1.637	0.000	0.000

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User Pre-dilution: 5.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:48	104.786%	49.310	4.792	5.429	0.000	37730.000	34680.000	34670.000	1895.000	0.000
2	15:36:34	104.765%	49.530	4.873	5.144	0.000	37650.000	34590.000	34590.000	1875.000	0.000
3	15:38:19	104.919%	49.650	5.624	4.915	0.000	37950.000	34900.000	34920.000	1886.000	0.000
X		104.823%	49.500	5.096	5.163	0.000	37780.000	34730.000	34720.000	1885.000	0.000
σ		0.083%	0.177	0.459	0.258	0.000	153.800	158.800	170.900	9.902	0.000
%RSD		0.079	0.358	9.003	4.991	0.000	0.407	0.457	0.492	0.525	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:48	27720.000	M 69840.000	M 69720.000	97.653%	0.037	482.500	199.100	18060.000	1102.000	1994.000
2	15:36:34	27640.000	M 69510.000	M 69480.000	99.418%	-0.072	474.900	195.600	17700.000	1096.000	1987.000
3	15:38:19	28060.000	M 70200.000	M 70100.000	99.141%	0.270	474.400	196.100	17660.000	1102.000	1998.000
X		27810.000	M 69850.000	M 69770.000	98.737%	0.078	477.300	197.000	17810.000	1100.000	1993.000
σ		223.200	M 345.300	M 309.800	0.950%	0.175	4.510	1.924	218.000	3.439	5.488
%RSD		0.803	M 0.494	M 0.444	0.962	222.600	0.945	0.977	1.224	0.313	0.275

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:48	2315.000	482.500	502.600	491.800	255.300	258.300	M 1379.000	M 1918.000	M 1946.000	M 1922.000
2	15:36:34	2263.000	478.200	499.300	478.800	251.700	256.400	M 1373.000	M 1914.000	M 1954.000	M 1948.000
3	15:38:19	2283.000	480.600	499.100	482.100	252.200	256.200	M 1380.000	M 1912.000	M 1958.000	M 1951.000
X		2287.000	480.400	500.300	484.200	253.100	257.000	M 1377.000	M 1915.000	M 1953.000	M 1941.000
σ		26.280	2.174	2.009	6.748	1.910	1.119	M 3.534	M 2.805	M 6.008	M 16.180
%RSD		1.149	0.453	0.402	1.394	0.755	0.436	M 0.257	M 0.146	M 0.308	M 0.834

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:48	93.509%	-4.314	89.415%	54.570	5.477	74.500	48.400	49.770	89.367%	0.397
2	15:36:34	95.289%	-4.878	96.677%	53.980	5.205	75.080	49.170	49.350	95.814%	0.380
3	15:38:19	96.132%	-4.763	97.433%	56.590	4.947	76.240	48.430	49.760	97.296%	0.186
X		94.977%	-4.652	94.508%	55.050	5.210	75.270	48.670	49.630	94.159%	0.321
σ		1.339%	0.298	4.427%	1.371	0.265	0.884	0.436	0.239	4.216%	0.117
%RSD		1.410	6.408	4.684	2.491	5.083	1.175	0.895	0.481	4.478	36.590

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:48	504.300	M 1981.000	92.175%	92.650%	M 1642.000	M 1751.000	490.600	94.337%	0.000	0.000
2	15:36:34	498.400	M 1950.000	96.235%	96.198%	M 1652.000	M 1773.000	488.100	97.761%	0.000	0.000
3	15:38:19	501.800	M 1964.000	96.659%	96.918%	M 1672.000	M 1793.000	490.900	98.326%	0.000	0.000
X		501.500	M 1965.000	95.023%	95.255%	M 1655.000	M 1772.000	489.800	96.808%	0.000	0.000
σ		2.950	M 15.290	2.476%	2.285%	M 15.130	M 21.090	1.552	2.159%	0.000	0.000
%RSD		0.588	M 0.778	2.605	2.398	M 0.914	M 1.190	0.317	2.230	0.000	0.000

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User Pre-dilution: 5.00

1482

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:18	104.783%	48.590	4.698	5.007	0.000	37730.000	34500.000	34560.000	1889.000	0.000
2	15:45:04	103.624%	49.440	4.288	4.891	0.000	38250.000	34820.000	34860.000	1894.000	0.000
3	15:46:49	104.307%	47.980	3.757	5.125	0.000	38510.000	34920.000	34830.000	1896.000	0.000
x		104.238%	48.670	4.248	5.008	0.000	38160.000	34750.000	34750.000	1893.000	0.000
σ		0.583%	0.736	0.472	0.117	0.000	397.500	219.500	162.900	3.843	0.000
%RSD		0.559	1.511	11.110	2.335	0.000	1.042	0.632	0.469	0.203	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:18	27580.000	M 70740.000	M 69830.000	97.532%	0.269	475.400	254.700	18080.000	1105.000	2258.000
2	15:45:04	27840.000	M 70430.000	M 69870.000	98.560%	0.358	477.400	248.700	17710.000	1099.000	2218.000
3	15:46:49	27890.000	M 69460.000	M 69920.000	99.830%	0.331	479.400	247.300	17440.000	1104.000	2210.000
x		27770.000	M 70210.000	M 69870.000	98.640%	0.320	477.400	250.200	17740.000	1103.000	2229.000
σ		170.000	M 668.500	M 44.240	1.151%	0.046	2.001	3.950	320.200	3.105	25.770
%RSD		0.612	M 0.952	M 0.063	1.167	14.310	0.419	1.579	1.805	0.282	1.156

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:18	2591.000	485.100	551.200	525.400	263.200	263.100	M 2345.000	M 1915.000	M 1966.000	M 1935.000
2	15:45:04	2517.000	477.100	535.400	522.200	256.300	260.100	M 2323.000	M 1897.000	M 1939.000	M 1936.000
3	15:46:49	2511.000	479.500	538.000	516.000	257.500	261.800	M 2323.000	M 1900.000	M 1977.000	M 1935.000
x		2539.000	480.600	541.500	521.200	259.000	261.600	M 2330.000	M 1904.000	M 1960.000	M 1935.000
σ		44.620	4.082	8.495	4.765	3.706	1.501	M 12.340	M 9.554	M 19.220	M 0.936
%RSD		1.757	0.850	1.569	0.914	1.431	0.574	M 0.529	M 0.502	M 0.980	M 0.048

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:18	92.791%	5.974	88.643%	55.070	5.495	75.640	47.470	48.680	88.616%	0.467
2	15:45:04	95.456%	5.525	96.663%	55.470	5.243	75.910	49.410	48.370	94.879%	0.483
3	15:46:49	95.613%	5.490	96.373%	56.930	5.523	77.640	48.110	48.430	96.171%	0.503
x		94.620%	5.663	93.893%	55.820	5.420	76.400	48.330	48.490	93.222%	0.484
σ		1.586%	0.270	4.549%	0.982	0.155	1.090	0.988	0.165	4.041%	0.018
%RSD		1.676	4.762	4.845	1.760	2.853	1.427	2.045	0.341	4.335	3.776

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:43:18	498.200	M 1958.000	91.952%	91.925%	M 1667.000	M 1789.000	491.800	92.896%	0.000	0.000
2	15:45:04	499.100	M 1938.000	95.204%	94.888%	M 1665.000	M 1799.000	489.700	96.484%	0.000	0.000
3	15:46:49	503.900	M 1955.000	95.761%	95.686%	M 1689.000	M 1817.000	493.500	97.036%	0.000	0.000
x		500.400	M 1951.000	94.305%	94.166%	M 1674.000	M 1802.000	491.700	95.472%	0.000	0.000
σ		3.039	M 10.650	2.058%	1.982%	M 13.470	M 13.940	1.902	2.248%	0.000	0.000
%RSD		0.607	M 0.546	2.182	2.105	M 0.805	M 0.774	0.387	2.355	0.000	0.000

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User Pre-dilution: 10.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:17	102.245%	-0.174	1.211	4.058	0.000	11820.000	8679.000	8706.000	-47.850	0.000
2	16:02:02	102.543%	0.103	0.786	2.825	0.000	11850.000	8742.000	8670.000	-48.360	0.000
3	16:03:48	101.575%	-0.092	1.431	2.888	0.000	11850.000	8742.000	8737.000	-49.420	0.000
x		102.121%	-0.055	1.143	3.257	0.000	11840.000	8721.000	8704.000	-48.540	0.000
σ		0.495%	0.142	0.328	0.694	0.000	18.710	36.440	33.560	0.801	0.000
%RSD		0.485	261.300	28.710	21.310	0.000	0.158	0.418	0.386	1.651	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:17	1741.000	41770.000	43340.000	94.459%	-1.612	-2.829	0.309	27320.000	627.200	959.100
2	16:02:02	1721.000	42890.000	43320.000	96.361%	-1.809	10.090	-1.381	25570.000	621.400	948.500
3	16:03:48	1722.000	42670.000	43420.000	96.775%	-2.047	4.416	-1.506	25160.000	625.200	953.500
x		1728.000	42440.000	43360.000	95.865%	-1.822	3.891	-0.859	26020.000	624.600	953.700
σ		11.390	593.700	53.100	1.235%	0.218	6.473	1.014	1146.000	2.946	5.292
%RSD		0.659	1.399	0.123	1.288	11.960	166.400	118.000	4.407	0.472	0.555

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:17	1167.000	0.207	10.780	6.463	35.940	37.770	373.300	-3.283	8.560	-3.187

2	16:02:02	1150.000	0.172	9.372	7.238	34.190	36.830	354.600	2.505	4.821	0.153
3	16:03:48	1164.000	-0.037	9.452	6.725	35.090	40.840	368.700	0.928	4.306	-1.081
x		1161.000	0.114	9.868	6.808	35.070	38.480	365.500	0.050	5.896	-1.405
σ		9.098	0.132	0.791	0.394	0.876	2.094	9.718	2.992	2.322	1.743
%RSD		0.784	116.000	8.012	5.792	2.497	5.441	2.659	5985.000	39.380	124.100

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:17	91.759%	-11.150	88.116%	-0.051	9.169	-0.110	0.488	0.438	87.949%	-0.124
2	16:02:02	94.000%	-10.900	95.257%	-0.205	10.460	-0.048	-0.607	-0.348	94.243%	-0.105
3	16:03:48	93.838%	-10.750	95.546%	-0.217	11.970	-0.057	-1.950	-1.242	95.150%	-0.276
x		93.199%	-10.930	92.973%	-0.158	10.530	-0.072	-0.690	-0.384	92.447%	-0.168
σ		1.250%	0.204	4.209%	0.093	1.402	0.033	1.221	0.841	3.922%	0.094
%RSD		1.341	1.864	4.527	58.870	13.310	46.700	177.100	219.000	4.242	55.700

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:00:17	-0.461	34.010	91.295%	90.764%	4.939	5.002	0.399	93.724%	0.000	0.000
2	16:02:02	-0.323	35.750	93.813%	93.450%	4.088	4.361	0.255	96.287%	0.000	0.000
3	16:03:48	-0.506	35.000	94.828%	94.557%	3.494	3.782	0.147	96.973%	0.000	0.000
x		-0.430	34.920	93.312%	92.924%	4.174	4.382	0.267	95.661%	0.000	0.000
σ		0.096	0.875	1.819%	1.951%	0.726	0.610	0.126	1.712%	0.000	0.000
%RSD		22.220	2.506	1.949	2.100	17.400	13.930	47.280	1.790	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:48	108.774%	-0.032	3.640	3.339	0.000	11440.000	8379.000	8642.000	-6.443	0.000
2	16:10:34	108.897%	-0.047	3.048	3.825	0.000	11660.000	8488.000	8432.000	-6.409	0.000
3	16:12:19	109.011%	-0.024	3.624	3.221	0.000	11600.000	8463.000	8845.000	-6.406	0.000
x		108.894%	-0.034	3.437	3.462	0.000	11570.000	8443.000	8639.000	-6.419	0.000
σ		0.119%	0.011	0.337	0.320	0.000	115.200	57.360	206.400	0.021	0.000
%RSD		0.109	33.360	9.812	9.243	0.000	0.996	0.679	2.389	0.321	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:48	1714.000	M 42620.000	M 45820.000	100.129%	0.905	-7.648	2.459	13690.000	M 605.900	991.900
2	16:10:34	1749.000	M 42880.000	M 46740.000	100.144%	0.605	-6.492	2.203	13940.000	M 610.700	1001.000
3	16:12:19	1758.000	M 42590.000	M 46680.000	101.313%	0.693	-7.659	2.523	13820.000	M 604.700	998.100
x		1741.000	M 42700.000	M 46410.000	100.529%	0.734	-7.267	2.395	13820.000	M 607.100	996.900
σ		23.160	M 160.000	M 517.100	0.679%	0.154	0.671	0.169	123.900	M 3.185	4.543
%RSD		1.331	M 0.375	M 1.114	0.676	20.980	9.228	7.061	0.897	M 0.525	0.456

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:48	1138.000	-0.108	1.415	1.445	9.892	10.540	311.000	1.229	1.426	-0.095
2	16:10:34	1134.000	-0.119	1.398	1.087	9.486	10.520	315.200	-0.167	1.845	-0.019
3	16:12:19	1139.000	-0.114	1.243	0.824	9.606	10.660	315.200	-0.455	0.660	0.057
x		1137.000	-0.114	1.352	1.118	9.661	10.570	313.800	0.202	1.310	-0.019
σ		2.621	0.006	0.095	0.312	0.209	0.079	2.414	0.901	0.601	0.076
%RSD		0.231	4.964	7.010	27.850	2.161	0.743	0.769	445.000	45.850	404.600

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:48	94.231%	-1.886	89.841%	-0.017	2.175	-0.008	-0.151	-0.109	89.654%	0.203
2	16:10:34	96.576%	-1.850	97.209%	-0.015	2.185	-0.007	-0.196	-0.119	96.411%	0.175
3	16:12:19	97.655%	-1.908	97.694%	-0.026	2.115	-0.011	-0.138	-0.058	98.216%	0.232
x		96.154%	-1.881	94.915%	-0.019	2.158	-0.009	-0.161	-0.095	94.760%	0.203
σ		1.751%	0.030	4.401%	0.006	0.038	0.002	0.030	0.033	4.513%	0.029
%RSD		1.821	1.579	4.636	30.470	1.763	20.820	18.850	34.510	4.763	14.100

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:08:48	0.255	34.930	94.243%	93.894%	0.702	0.715	0.243	96.471%	0.000	0.000
2	16:10:34	0.341	34.950	97.314%	97.448%	0.646	0.668	0.230	99.173%	0.000	0.000
3	16:12:19	0.332	35.410	98.281%	98.600%	0.578	0.579	0.253	99.594%	0.000	0.000
x		0.309	35.090	96.613%	96.647%	0.642	0.654	0.242	98.413%	0.000	0.000

σ		0.047	0.270	2.108%	2.453%	0.062	0.069	0.012	1.694%	0.000	0.000
%RSD		15.180	0.769	2.182	2.538	9.614	10.570	4.805	1.722	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:17	109.687%	0.005	6.402	7.370	0.000	16870.000	7704.000	7666.000	724.800	0.000
2	16:19:02	110.415%	-0.055	6.903	7.522	0.000	17070.000	7733.000	7715.000	723.000	0.000
3	16:20:48	110.458%	-0.010	7.082	7.961	0.000	17150.000	7813.000	7770.000	733.200	0.000
x		110.187%	-0.020	6.796	7.618	0.000	17030.000	7750.000	7717.000	727.000	0.000
σ		0.434%	0.031	0.353	0.306	0.000	147.900	56.890	52.000	5.439	0.000
%RSD		0.393	154.700	5.189	4.024	0.000	0.868	0.734	0.674	0.748	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:17	1750.000	M 63850.000	M 69190.000	101.108%	40.490	-4.129	3.540	13770.000	295.200	3328.000
2	16:19:02	1773.000	M 64670.000	M 70240.000	100.662%	46.620	0.479	3.358	14020.000	298.800	3374.000
3	16:20:48	1775.000	M 65000.000	M 70650.000	100.666%	38.040	-5.823	3.293	14230.000	299.500	3397.000
x		1766.000	M 64510.000	M 70030.000	100.812%	41.720	-3.158	3.397	14010.000	297.900	3367.000
σ		13.750	M 590.000	M 749.500	0.256%	4.421	3.262	0.128	227.000	2.333	35.200
%RSD		0.779	M 0.915	M 1.070	0.254	10.600	103.300	3.767	1.621	0.783	1.046

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:17	3558.000	0.401	1.318	1.327	47.460	47.940	196.800	0.523	3.761	1.460
2	16:19:02	3604.000	0.348	1.471	1.665	47.480	48.240	199.100	-0.229	2.847	1.044
3	16:20:48	3593.000	0.350	1.445	1.708	47.180	48.240	202.700	-0.316	2.901	2.086
x		3585.000	0.366	1.411	1.567	47.370	48.140	199.500	-0.008	3.170	1.530
σ		24.100	0.030	0.082	0.209	0.166	0.173	2.982	0.461	0.513	0.525
%RSD		0.672	8.270	5.822	13.330	0.351	0.360	1.495	6148.000	16.190	34.300

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:17	96.558%	-2.136	89.795%	-0.005	2.601	-0.010	-0.361	-0.146	90.819%	0.480
2	16:19:02	98.015%	-2.081	97.662%	-0.029	2.352	-0.013	-0.170	-0.065	96.591%	0.497
3	16:20:48	98.251%	-2.135	97.626%	-0.010	2.040	-0.005	0.104	0.141	98.033%	0.750
x		97.608%	-2.118	95.028%	-0.015	2.331	-0.009	-0.142	-0.023	95.147%	0.576
σ		0.917%	0.031	4.532%	0.013	0.281	0.004	0.234	0.148	3.817%	0.151
%RSD		0.939	1.481	4.769	87.120	12.060	40.590	164.100	636.100	4.012	26.290

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:17	0.349	13.640	94.291%	93.969%	0.477	0.483	4.994	95.308%	0.000	0.000
2	16:19:02	0.372	13.810	97.563%	97.894%	0.447	0.471	4.968	98.479%	0.000	0.000
3	16:20:48	0.400	14.210	98.297%	98.084%	0.448	0.444	4.966	98.412%	0.000	0.000
x		0.374	13.890	96.717%	96.649%	0.457	0.466	4.976	97.400%	0.000	0.000
σ		0.025	0.289	2.133%	2.323%	0.017	0.020	0.015	1.811%	0.000	0.000
%RSD		6.815	2.082	2.205	2.403	3.801	4.275	0.307	1.860	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:44	107.425%	-0.054	3.069	3.508	0.000	M 86450.000	8.922	8.876	8.616	0.000
2	16:27:29	107.440%	-0.076	2.955	3.226	0.000	M 86430.000	7.728	7.823	8.700	0.000
3	16:29:15	106.483%	-0.068	3.325	3.504	0.000	M 86550.000	7.929	8.098	9.288	0.000
x		107.116%	-0.066	3.117	3.413	0.000	M 86480.000	8.193	8.266	8.868	0.000
σ		0.548%	0.012	0.189	0.162	0.000	M 67.220	0.639	0.546	0.366	0.000
%RSD		0.512	17.560	6.073	4.731	0.000	M 0.078	7.800	6.611	4.129	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:44	289.800	16.500	229.500	98.893%	0.472	-5.591	2.168	13620.000	2.329	167.700
2	16:27:29	288.400	25.800	219.400	99.335%	0.257	-6.288	2.255	13160.000	2.454	166.900
3	16:29:15	291.800	44.730	222.600	99.602%	0.373	-4.510	1.941	12810.000	2.375	167.200
x		290.000	29.010	223.800	99.277%	0.367	-5.463	2.121	13200.000	2.386	167.200
		1.694	14.390	5.154	0.358%	0.108	0.895	0.162	409.500	0.063	0.422

σ											
%RSD		0.584	49.590	2.303	0.361	29.430	16.390	7.637	3.103	2.658	0.252
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:44	161.700	-0.038	-0.266	-0.771	14.090	15.020	2.699	0.889	1.951	0.807
2	16:27:29	157.400	-0.041	-0.273	-0.496	14.050	14.750	2.125	0.829	0.924	0.165
3	16:29:15	158.500	-0.040	-0.354	-0.760	14.320	14.620	1.809	1.329	0.939	0.181
X		159.200	-0.040	-0.298	-0.676	14.150	14.790	2.211	1.016	1.271	0.384
σ		2.241	0.002	0.049	0.156	0.145	0.203	0.451	0.273	0.589	0.366
%RSD		1.408	3.952	16.370	23.070	1.022	1.375	20.410	26.860	46.310	95.300
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:44	94.267%	-0.290	88.286%	-0.055	2.028	-0.037	-0.047	-0.002	89.039%	0.212
2	16:27:29	95.846%	-0.281	96.545%	-0.036	1.991	-0.039	-0.027	0.028	95.075%	0.187
3	16:29:15	96.886%	-0.174	97.367%	-0.048	2.092	-0.036	-0.072	-0.054	97.081%	0.206
X		95.666%	-0.248	94.066%	-0.047	2.037	-0.037	-0.049	-0.009	93.732%	0.202
σ		1.319%	0.065	5.023%	0.010	0.052	0.001	0.023	0.042	4.186%	0.013
%RSD		1.378	26.110	5.339	20.700	2.529	3.930	46.560	458.600	4.466	6.549
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:44	0.405	1.162	93.541%	93.972%	0.319	0.299	0.746	94.588%	0.000	0.000
2	16:27:29	0.445	1.139	96.876%	97.060%	0.262	0.293	0.745	97.764%	0.000	0.000
3	16:29:15	0.481	1.129	97.998%	98.328%	0.228	0.251	0.762	98.186%	0.000	0.000
X		0.444	1.143	96.138%	96.453%	0.269	0.281	0.751	96.846%	0.000	0.000
σ		0.038	0.017	2.318%	2.241%	0.046	0.026	0.010	1.967%	0.000	0.000
%RSD		8.490	1.500	2.411	2.323	17.090	9.396	1.305	2.031	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:12	107.214%	-0.023	7.435	7.337	0.000	16260.000	4147.000	4135.000	350.100	0.000
2	16:35:57	107.536%	0.083	6.811	7.368	0.000	16240.000	4124.000	4122.000	348.500	0.000
3	16:37:43	106.662%	0.054	7.845	7.563	0.000	16250.000	4154.000	4145.000	349.700	0.000
X		107.137%	0.038	7.363	7.423	0.000	16250.000	4142.000	4134.000	349.400	0.000
σ		0.442%	0.055	0.521	0.122	0.000	6.711	15.670	11.870	0.832	0.000
%RSD		0.412	143.800	7.069	1.646	0.000	0.041	0.378	0.287	0.238	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:12	1920.000	15260.000	15350.000	98.919%	15.860	-7.091	3.102	14190.000	210.300	3246.000
2	16:35:57	1924.000	14990.000	15210.000	99.610%	7.606	-3.996	2.858	14740.000	209.800	3224.000
3	16:37:43	1927.000	15250.000	15290.000	99.343%	9.139	-5.596	2.868	15050.000	210.900	3239.000
X		1924.000	15160.000	15280.000	99.291%	10.870	-5.561	2.943	14660.000	210.300	3236.000
σ		3.782	153.600	70.370	0.349%	4.389	1.548	0.138	438.200	0.537	11.170
%RSD		0.197	1.013	0.461	0.351	40.390	27.830	4.676	2.989	0.255	0.345
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:12	3274.000	0.932	2.935	2.668	24.390	25.540	304.100	0.126	1.289	0.291
2	16:35:57	3270.000	0.844	2.895	2.409	23.870	25.190	301.700	-0.670	1.674	-0.680
3	16:37:43	3275.000	0.891	2.889	2.107	24.060	25.490	301.600	0.380	0.666	-0.379
X		3273.000	0.889	2.906	2.395	24.100	25.410	302.400	-0.055	1.210	-0.256
σ		2.754	0.044	0.025	0.281	0.264	0.188	1.408	0.547	0.508	0.497
%RSD		0.084	4.961	0.863	11.720	1.096	0.738	0.466	1000.000	42.040	194.200
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:12	94.990%	-2.199	89.705%	-0.031	2.252	-0.028	-0.216	-0.121	90.601%	0.244
2	16:35:57	96.644%	-2.244	97.236%	-0.034	2.069	-0.027	-0.070	-0.034	95.757%	0.222
3	16:37:43	96.850%	-2.254	97.257%	-0.048	2.121	-0.035	-0.104	-0.040	97.269%	0.233
X		96.161%	-2.232	94.732%	-0.038	2.147	-0.030	-0.130	-0.065	94.543%	0.233
σ		1.020%	0.029	4.354%	0.009	0.094	0.005	0.076	0.049	3.496%	0.011
%RSD		1.060	1.320	4.596	24.140	4.378	15.590	58.610	75.350	3.698	4.600
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:12	0.358	48.850	94.222%	94.417%	0.204	0.227	1.147	95.910%	0.000	0.000
2	16:35:57	0.413	48.330	97.087%	97.224%	0.206	0.214	1.195	98.266%	0.000	0.000
3	16:37:43	0.484	48.650	97.608%	98.315%	0.174	0.202	1.194	98.969%	0.000	0.000
x		0.418	48.610	96.306%	96.652%	0.195	0.215	1.179	97.715%	0.000	0.000
σ		0.063	0.265	1.823%	2.011%	0.018	0.013	0.027	1.602%	0.000	0.000
%RSD		15.080	0.546	1.893	2.081	9.155	5.958	2.289	1.639	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:40	107.865%	-0.001	2.938	2.715	0.000	8304.000	1574.000	1556.000	-1.712	0.000
2	16:44:26	110.295%	-0.025	2.310	2.377	0.000	8283.000	1555.000	1556.000	-1.418	0.000
3	16:46:11	108.495%	-0.054	2.255	2.473	0.000	8386.000	1586.000	1581.000	-1.683	0.000
x		108.885%	-0.027	2.501	2.521	0.000	8324.000	1572.000	1564.000	-1.604	0.000
σ		1.261%	0.027	0.380	0.174	0.000	54.420	15.540	14.460	0.162	0.000
%RSD		1.159	100.300	15.190	6.912	0.000	0.654	0.989	0.925	10.080	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:40	609.200	6599.000	6830.000	99.754%	0.686	-4.572	2.322	14960.000	1.922	200.500
2	16:44:26	609.200	6743.000	6819.000	100.225%	0.723	89.800	2.187	15040.000	1.991	201.800
3	16:46:11	621.300	6757.000	6877.000	99.457%	1.032	3.512	2.226	15000.000	2.009	203.400
x		613.200	6700.000	6842.000	99.812%	0.814	29.580	2.245	15000.000	1.974	201.900
σ		7.009	87.500	31.050	0.388%	0.190	52.310	0.069	43.900	0.046	1.448
%RSD		1.143	1.306	0.454	0.388	23.380	176.800	3.092	0.293	2.319	0.717

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:40	216.000	0.052	0.240	0.331	63.620	63.980	52.920	0.345	2.088	0.026
2	16:44:26	215.700	0.060	0.351	-0.181	63.440	63.170	53.110	0.071	1.651	-0.020
3	16:46:11	218.500	0.059	0.171	-0.154	63.770	63.730	54.370	-0.257	0.984	0.038
x		216.800	0.057	0.254	-0.001	63.610	63.620	53.470	0.053	1.574	0.015
σ		1.535	0.005	0.091	0.288	0.163	0.414	0.784	0.301	0.556	0.031
%RSD		0.708	7.937	35.760	22210.000	0.257	0.651	1.466	570.300	35.310	210.000

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:40	95.102%	-2.072	90.485%	-0.037	2.107	-0.011	-0.112	-0.046	91.038%	0.342
2	16:44:26	97.026%	-2.043	98.579%	-0.028	2.059	-0.025	-0.099	-0.042	97.158%	0.411
3	16:46:11	97.659%	-2.080	99.359%	-0.036	1.907	-0.021	0.061	0.087	98.864%	0.345
x		96.595%	-2.065	96.141%	-0.034	2.024	-0.019	-0.050	-0.000	95.687%	0.366
σ		1.332%	0.020	4.914%	0.005	0.105	0.007	0.096	0.076	4.116%	0.039
%RSD		1.379	0.953	5.111	14.190	5.176	37.020	191.700	20520.000	4.301	10.610

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:40	0.401	11.180	95.012%	95.012%	0.138	0.141	2.404	97.433%	0.000	0.000
2	16:44:26	0.492	11.310	98.298%	98.229%	0.155	0.152	2.413	100.113%	0.000	0.000
3	16:46:11	0.551	10.980	99.413%	99.895%	0.120	0.123	2.400	101.215%	0.000	0.000
x		0.481	11.160	97.574%	97.712%	0.138	0.139	2.406	99.587%	0.000	0.000
σ		0.076	0.168	2.288%	2.482%	0.017	0.015	0.007	1.945%	0.000	0.000
%RSD		15.720	1.510	2.345	2.540	12.720	10.700	0.283	1.953	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:08	100.719%	130.000	126.500	128.700	0.000	5115.000	4816.000	5021.000	5057.000	0.000
2	16:52:54	103.373%	126.600	125.300	128.400	0.000	5117.000	4813.000	5057.000	5081.000	0.000
3	16:54:39	102.992%	127.600	128.600	129.200	0.000	5109.000	4799.000	5042.000	5084.000	0.000
x		102.362%	128.100	126.800	128.800	0.000	5114.000	4810.000	5040.000	5074.000	0.000
σ		1.435%	1.772	1.667	0.373	0.000	4.472	8.876	18.100	14.770	0.000
%RSD		1.402	1.383	1.314	0.290	0.000	0.087	0.185	0.359	0.291	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb

1	16:51:08	4984.000	5079.000	5107.000	97.084%	122.800	123.400	125.500	3018.000	123.400	5084.000
2	16:52:54	5082.000	5249.000	5126.000	97.467%	125.400	124.100	125.900	3044.000	123.900	5126.000
3	16:54:39	5063.000	5148.000	5115.000	97.764%	125.500	125.000	125.800	3058.000	124.400	5147.000
x		5043.000	5158.000	5116.000	97.439%	124.600	124.200	125.700	3040.000	123.900	5119.000
σ		52.130	85.450	9.466	0.341%	1.549	0.764	0.209	20.310	0.508	31.800
%RSD		1.034	1.656	0.185	0.350	1.244	0.615	0.166	0.668	0.410	0.621

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:08	5072.000	123.900	127.700	127.700	124.100	124.500	M 283.700	126.100	126.400	123.800
2	16:52:54	5096.000	124.100	128.000	124.700	123.800	124.600	M 284.300	126.000	126.000	126.600
3	16:54:39	5104.000	124.800	128.000	128.600	124.400	124.700	M 285.700	124.600	125.600	125.200
x		5091.000	124.300	127.900	127.000	124.100	124.600	M 284.500	125.600	126.000	125.200
σ		16.620	0.472	0.147	2.049	0.272	0.096	M 1.014	0.824	0.356	1.431
%RSD		0.326	0.380	0.115	1.613	0.219	0.077	M 0.356	0.656	0.283	1.143

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:08	93.756%	126.700	88.709%	136.400	1.877	187.100	122.600	123.500	89.764%	124.500
2	16:52:54	95.818%	127.600	96.469%	139.200	1.717	189.600	124.600	124.400	94.859%	125.900
3	16:54:39	95.758%	127.300	97.166%	139.900	1.793	190.600	124.700	124.900	96.152%	126.700
x		95.111%	127.200	94.115%	138.500	1.796	189.100	123.900	124.200	93.592%	125.700
σ		1.173%	0.460	4.694%	1.826	0.080	1.833	1.197	0.707	3.377%	1.141
%RSD		1.234	0.361	4.988	1.319	4.463	0.969	0.966	0.569	3.609	0.907

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:51:08	126.900	123.800	93.074%	92.709%	122.800	122.400	124.800	94.050%	0.000	0.000
2	16:52:54	128.800	124.100	95.771%	95.382%	124.400	124.200	125.800	96.535%	0.000	0.000
3	16:54:39	129.100	125.500	96.038%	96.265%	124.500	124.500	125.600	96.984%	0.000	0.000
x		128.300	124.500	94.961%	94.785%	123.900	123.700	125.400	95.857%	0.000	0.000
σ		1.200	0.942	1.640%	1.852%	0.961	1.123	0.543	1.580%	0.000	0.000
%RSD		0.936	0.756	1.727	1.954	0.776	0.907	0.433	1.649	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:35	102.891%	0.030	1.991	2.181	0.000	4.731	1.867	2.315	-1.480	0.000
2	17:01:21	103.579%	0.010	0.917	0.976	0.000-	0.002-	0.935	-0.497	-3.589	0.000
3	17:03:06	104.220%	-0.002	0.469	0.695	0.000-	1.152-	1.846	-1.095	-4.194	0.000
x		103.563%	0.012	1.126	1.284	0.000	1.192	-0.304	0.241	-3.088	0.000
σ		0.665%	0.016	0.782	0.789	0.000	3.118	1.935	1.821	1.425	0.000
%RSD		0.642	132.300	69.490	61.490	0.000	261.500	635.400	755.600	46.140	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:35	-1.253	-65.440	-38.120	97.552%	-0.099	0.976	0.121	3180.000	0.064	4.975
2	17:01:21	-3.438	-69.020	-43.520	97.684%	-0.222	1.910	0.082	3116.000	-0.007	3.042
3	17:03:06	-4.008	-67.060	-44.050	97.778%	-0.199-	0.095	0.034	3155.000	-0.022	2.635
x		-2.900	-67.170	-41.890	97.671%	-0.173	0.930	0.079	3150.000	0.012	3.551
σ		1.454	1.792	3.279	0.113%	0.065	1.003	0.043	32.090	0.046	1.250
%RSD		50.140	2.668	7.827	0.116	37.610	107.800	54.870	1.019	399.000	35.210

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:35	1.484	0.069	-0.137	-0.321	-1.414-	0.998-	6.619	-0.245	0.848-	0.129
2	17:01:21	-0.554	0.009	-0.272	-0.383	-1.486-	1.067-	6.926	0.294	0.485-	0.017
3	17:03:06	-1.895-	0.008	-0.219	-0.384	-1.506-	1.096-	7.219	-0.141	0.048-	0.383
x		-0.322	0.023	-0.210	-0.363	-1.469	-1.053	-6.921	-0.031	0.460	-0.176
σ		1.701	0.040	0.068	0.036	0.049	0.050	0.300	0.286	0.401	0.188
%RSD		528.800	174.500	32.450	10.060	3.310	4.788	4.331	935.700	87.090	106.600

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:35	93.711%	-0.522	89.514%	0.096	0.999	0.128	0.031	0.090	88.701%	0.095
2	17:01:21	94.823%	-0.825	96.674%	0.026	1.012	0.028-	0.001	0.021	93.992%	0.020
3	17:03:06	95.322%	-0.944	97.725%	-0.001	0.961	0.015	0.019	0.022	95.809%	-0.002

X		94.619%	-0.764	94.638%	0.040	0.991	0.057	0.016	0.044	92.834%	0.038
σ		0.825%	0.217	4.468%	0.050	0.027	0.062	0.016	0.039	3.693%	0.051
%RSD		0.872	28.430	4.722	124.400	2.688	107.900	98.010	89.140	3.978	134.300
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:35	0.113	0.026	91.394%	90.937%	0.411	0.427	0.035	93.062%	0.000	0.000
2	17:01:21	0.033-	0.055	93.952%	93.954%	0.264	0.261-	0.027	95.193%	0.000	0.000
3	17:03:06	-0.002-	0.045	94.950%	95.285%	0.157	0.184-	0.045	96.407%	0.000	0.000
X		0.048	-0.024	93.432%	93.392%	0.277	0.291	-0.012	94.887%	0.000	0.000
σ		0.059	0.044	1.834%	2.228%	0.128	0.125	0.042	1.694%	0.000	0.000
%RSD		123.600	181.400	1.963	2.385	46.070	42.850	338.000	1.785	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:03	109.589%	-0.077	5.022	5.548	0.000	16770.000	5007.000	4986.000	-2.581	0.000
2	17:09:48	110.594%	-0.070	4.358	5.515	0.000	16830.000	5012.000	4992.000	-2.243	0.000
3	17:11:34	111.607%	-0.078	4.913	4.798	0.000	16690.000	4972.000	4932.000	-2.374	0.000
X		110.596%	-0.075	4.764	5.287	0.000	16760.000	4997.000	4970.000	-2.399	0.000
σ		1.009%	0.004	0.356	0.424	0.000	67.600	21.490	33.200	0.170	0.000
%RSD		0.912	5.739	7.476	8.020	0.000	0.403	0.430	0.668	7.103	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:03	1086.000	M 38540.000	M 42110.000	101.284%	1.180	102.200	3.075	17000.000	101.100	44.680
2	17:09:48	1101.000	M 39220.000	M 38950.000	101.076%	0.887	107.900	2.864	17120.000	101.800	43.450
3	17:11:34	1128.000	M 38590.000	M 42420.000	102.335%	0.678	103.100	2.793	17010.000	100.500	42.580
X		1105.000	M 38780.000	M 41160.000	101.565%	0.915	104.400	2.910	17040.000	101.100	43.570
σ		21.200	M 376.400	M 1922.000	0.675%	0.252	3.063	0.147	71.430	0.647	1.057
%RSD		1.918	M 0.970	M 4.670	0.665	27.570	2.934	5.044	0.419	0.639	2.425
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:03	179.800	-0.188	-0.013	-0.436	4.592	5.641	5.792	-0.029	2.059	-0.199
2	17:09:48	167.600	-0.180	-0.150	-0.426	4.549	5.501	6.211	-0.272	1.888	0.331
3	17:11:34	161.200	-0.163	-0.108	-0.621	4.560	5.538	6.637	1.691	1.672	-0.084
X		169.500	-0.177	-0.090	-0.494	4.567	5.560	6.213	0.463	1.873	0.016
σ		9.430	0.012	0.070	0.109	0.022	0.072	0.423	1.070	0.194	0.279
%RSD		5.563	7.051	77.880	22.130	0.491	1.302	6.804	231.200	10.350	1712.000
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:03	95.252%	-1.569	90.189%	-0.007	2.283	-0.026	-0.293	-0.173	90.764%	0.070
2	17:09:48	98.166%	-1.641	98.202%	-0.038	2.441	-0.027	-0.433	-0.266	97.309%	0.083
3	17:11:34	98.550%	-1.725	99.656%	-0.036	2.344	-0.033	-0.348	-0.219	99.149%	0.085
X		97.323%	-1.645	96.016%	-0.027	2.356	-0.029	-0.358	-0.219	95.741%	0.079
σ		1.804%	0.078	5.098%	0.017	0.080	0.004	0.070	0.046	4.407%	0.008
%RSD		1.853	4.752	5.310	63.650	3.375	13.060	19.650	21.180	4.603	10.550
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:08:03	0.390	243.800	94.715%	94.100%	0.291	0.292	0.561	96.477%	0.000	0.000
2	17:09:48	0.470	241.000	98.235%	97.885%	0.212	0.260	0.581	99.577%	0.000	0.000
3	17:11:34	0.436	242.600	99.214%	99.405%	0.210	0.207	0.589	100.217%	0.000	0.000
X		0.432	242.500	97.388%	97.130%	0.238	0.253	0.577	98.757%	0.000	0.000
σ		0.041	1.382	2.366%	2.732%	0.046	0.043	0.014	2.000%	0.000	0.000
%RSD		9.398	0.570	2.429	2.813	19.460	16.870	2.461	2.026	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:32	108.552%	-0.009	3.644	2.885	0.000	8103.000	1531.000	1533.000	-0.020	0.000
2	17:18:17	110.644%	-0.040	3.958	3.175	0.000	8129.000	1538.000	1544.000	-0.569	0.000
3	17:20:03	110.827%	-0.077	3.012	3.279	0.000	8121.000	1540.000	1532.000	-0.467	0.000
		110.008%	-0.042	3.538	3.113	0.000	8117.000	1536.000	1536.000	-0.352	0.000

x											
σ		1.264%	0.034	0.482	0.204	0.000	13.250	4.532	6.493	0.292	0.000
%RSD		1.149	81.140	13.620	6.554	0.000	0.163	0.295	0.423	82.920	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:32	554.300	6475.000	6680.000	101.065%	1.154	-2.843	1.848	11890.000	1.633	178.000
2	17:18:17	559.900	6443.000	6749.000	101.142%	0.665	1.243	1.438	11780.000	1.711	178.400
3	17:20:03	558.800	6505.000	6751.000	101.226%	0.928	-0.537	2.015	11750.000	1.685	177.300
x		557.700	6474.000	6727.000	101.144%	0.916	-0.713	1.767	11810.000	1.676	177.900
σ		2.949	30.950	40.500	0.081%	0.245	2.049	0.297	74.610	0.039	0.557
%RSD		0.529	0.478	0.602	0.080	26.720	287.500	16.800	0.632	2.354	0.313
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:32	188.100	-0.042	0.521	0.422	70.370	71.300	102.400	-0.638	-0.049	0.182
2	17:18:17	184.700	-0.050	0.649	0.567	70.280	70.930	104.500	0.642	1.807	0.351
3	17:20:03	186.600	-0.051	0.548	0.146	69.830	69.580	104.200	-0.353	1.060	-0.457
x		186.500	-0.048	0.573	0.379	70.160	70.600	103.700	-0.116	0.939	0.026
σ		1.699	0.005	0.067	0.214	0.291	0.906	1.133	0.672	0.934	0.426
%RSD		0.911	10.340	11.740	56.450	0.415	1.283	1.093	577.700	99.390	1668.000
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:32	96.298%	-2.004	91.878%	-0.023	2.029	-0.016	-0.048	0.003	91.934%	0.452
2	17:18:17	98.205%	-1.970	99.365%	-0.028	2.195	-0.013	-0.197	-0.099	97.664%	0.451
3	17:20:03	98.716%	-2.079	100.367%	-0.028	1.927	-0.022	0.080	0.051	99.159%	0.445
x		97.740%	-2.018	97.204%	-0.026	2.051	-0.017	-0.055	-0.015	96.252%	0.449
σ		1.274%	0.056	4.639%	0.003	0.135	0.005	0.139	0.076	3.814%	0.004
%RSD		1.304	2.754	4.772	10.920	6.593	27.590	253.000	514.200	3.962	0.839
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:16:32	0.258	10.690	95.068%	94.917%	0.165	0.185	4.992	97.138%	0.000	0.000
2	17:18:17	0.365	10.860	97.939%	97.697%	0.149	0.167	4.989	100.201%	0.000	0.000
3	17:20:03	0.391	10.900	99.229%	99.081%	0.096	0.153	4.904	101.493%	0.000	0.000
x		0.338	10.810	97.412%	97.231%	0.136	0.168	4.962	99.611%	0.000	0.000
σ		0.071	0.113	2.130%	2.121%	0.036	0.016	0.050	2.237%	0.000	0.000
%RSD		20.940	1.049	2.186	2.181	26.550	9.419	1.011	2.245	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:12	112.069%	-0.034	8.524	8.415	0.000	17040.000	7010.000	6986.000	-5.092	0.000
2	17:26:58	113.824%	-0.064	7.641	8.359	0.000	17000.000	6990.000	6937.000	-5.140	0.000
3	17:28:43	113.725%	-0.071	7.585	8.465	0.000	17010.000	6972.000	6954.000	-5.672	0.000
x		113.206%	-0.056	7.917	8.413	0.000	17020.000	6990.000	6959.000	-5.301	0.000
σ		0.986%	0.020	0.527	0.053	0.000	17.300	19.180	24.620	0.322	0.000
%RSD		0.871	34.990	6.654	0.634	0.000	0.102	0.274	0.354	6.074	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:12	1720.000	M 57290.000	M 62800.000	102.815%	0.513	-3.456	2.331	14140.000	11.790	17.920
2	17:26:58	1723.000	M 57560.000	M 62880.000	103.827%	0.486	88.790	2.302	14490.000	11.560	12.950
3	17:28:43	1725.000	M 57360.000	M 62920.000	103.138%	0.364	92.680	2.077	14720.000	11.650	12.240
x		1723.000	M 57400.000	M 62870.000	103.260%	0.454	59.340	2.237	14450.000	11.670	14.370
σ		2.566	M 141.400	M 62.280	0.517%	0.080	54.420	0.139	289.200	0.117	3.093
%RSD		0.149	M 0.246	M 0.099	0.500	17.520	91.700	6.197	2.001	0.998	21.520
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:12	217.900	-0.203	1.060	0.801	6.669	7.447	100.600	-0.207	1.973	1.041
2	17:26:58	209.000	-0.214	0.850	0.112	6.246	7.203	100.100	0.222	1.815	0.514
3	17:28:43	206.000	-0.204	1.139	0.594	6.274	7.275	102.300	-1.275	2.432	0.842
x		211.000	-0.207	1.017	0.502	6.396	7.308	101.000	-0.420	2.073	0.799
σ		6.178	0.006	0.149	0.353	0.237	0.125	1.126	0.771	0.321	0.267
%RSD		2.928	3.084	14.690	70.330	3.702	1.712	1.115	183.500	15.470	33.360

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:12	97.815%	-2.192	92.236%	-0.036	2.428	-0.043	-0.322	-0.218	92.772%	0.104
2	17:26:58	99.674%	-2.246	100.334%	-0.048	2.206	-0.040	-0.154	-0.084	98.533%	0.134
3	17:28:43	99.906%	-2.201	100.295%	-0.045	2.206	-0.040	-0.188	-0.088	100.100%	0.161
x		99.132%	-2.213	97.622%	-0.043	2.280	-0.041	-0.221	-0.130	97.135%	0.133
σ		1.146%	0.029	4.664%	0.006	0.128	0.002	0.089	0.076	3.859%	0.029
%RSD		1.156	1.323	4.778	14.920	5.633	4.685	40.250	58.530	3.973	21.500

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:25:12	0.316	6.962	96.653%	96.335%	0.412	0.409	0.861	97.106%	0.000	0.000
2	17:26:58	0.373	7.249	99.099%	99.139%	0.393	0.428	0.857	99.786%	0.000	0.000
3	17:28:43	0.374	6.920	99.793%	99.592%	0.412	0.429	0.859	100.307%	0.000	0.000
x		0.354	7.044	98.515%	98.355%	0.406	0.422	0.859	99.066%	0.000	0.000
σ		0.033	0.179	1.650%	1.764%	0.011	0.011	0.002	1.718%	0.000	0.000
%RSD		9.296	2.542	1.674	1.794	2.774	2.637	0.210	1.734	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:52	109.398%	-0.047	3.764	3.835	0.000	M 87300.000	11.430	13.000	-7.406	0.000
2	17:35:38	109.867%	-0.047	2.468	4.044	0.000	M 87630.000	11.660	14.280	-7.579	0.000
3	17:37:23	109.972%	-0.092	3.590	3.602	0.000	M 87640.000	10.440	12.850	-7.472	0.000
x		109.746%	-0.062	3.274	3.827	0.000	M 87520.000	11.180	13.380	-7.486	0.000
σ		0.306%	0.026	0.704	0.221	0.000	M 194.700	0.651	0.784	0.087	0.000
%RSD		0.278	41.760	21.490	5.769	0.000	M 0.222	5.824	5.863	1.165	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:52	304.300	113.300	310.400	99.550%	0.210	-5.997	2.658	15120.000	0.421	8.090
2	17:35:38	305.000	95.710	309.400	100.090%	0.233	-3.458	2.387	14450.000	0.348	8.331
3	17:37:23	303.800	142.200	300.300	100.472%	0.393	-3.383	2.300	14190.000	0.328	8.514
x		304.400	117.100	306.700	100.037%	0.279	-4.279	2.448	14590.000	0.365	8.312
σ		0.564	23.490	5.567	0.464%	0.100	1.488	0.186	476.400	0.049	0.213
%RSD		0.185	20.060	1.815	0.463	35.780	34.770	7.615	3.266	13.380	2.558

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:52	-7.241	-0.036	0.104	-0.307	7.457	8.291	18.600	0.058	2.183	-0.259
2	17:35:38	-12.870	-0.015	0.084	-0.398	7.329	7.825	19.300	0.329	1.375	-0.182
3	17:37:23	-11.920	-0.031	0.162	-0.235	7.236	7.937	19.400	0.718	0.683	0.234
x		-10.680	-0.028	0.116	-0.313	7.341	8.018	19.100	0.368	1.413	-0.069
σ		3.012	0.011	0.041	0.082	0.111	0.243	0.437	0.332	0.751	0.265
%RSD		28.210	40.700	34.810	26.050	1.517	3.029	2.290	90.100	53.110	386.200

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:52	95.547%	-0.241	90.042%	-0.047	2.080	-0.041	-0.070	-0.034	90.718%	0.224
2	17:35:38	98.589%	-0.457	97.831%	-0.044	2.044	-0.034	-0.034	-0.034	96.809%	0.272
3	17:37:23	97.955%	-0.199	98.761%	-0.046	2.130	-0.021	-0.127	-0.076	98.353%	0.223
x		97.364%	-0.299	95.545%	-0.046	2.085	-0.032	-0.077	-0.048	95.293%	0.239
σ		1.605%	0.138	4.788%	0.002	0.043	0.010	0.047	0.024	4.037%	0.028
%RSD		1.649	46.220	5.011	3.603	2.069	32.220	60.630	51.110	4.236	11.640

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:33:52	0.398	0.200	95.182%	95.619%	0.008	0.032	0.113	95.729%	0.000	0.000
2	17:35:38	0.509	0.319	98.397%	98.292%	0.002	0.025	0.115	98.340%	0.000	0.000
3	17:37:23	0.508	0.249	98.849%	99.275%	-0.021	0.007	0.125	99.095%	0.000	0.000
x		0.472	0.256	97.476%	97.729%	-0.004	0.021	0.118	97.722%	0.000	0.000
σ		0.064	0.060	1.999%	1.892%	0.016	0.013	0.007	1.766%	0.000	0.000
%RSD		13.490	23.270	2.051	1.936	409.100	59.890	5.558	1.807	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:32	110.197%	-0.033	6.374	6.934	0.000	15400.000	3922.000	3917.000	-8.546	0.000
2	17:44:18	110.682%	-0.011	6.735	6.701	0.000	15490.000	3927.000	3923.000	-8.414	0.000
3	17:46:03	111.610%	-0.011	5.854	7.018	0.000	15470.000	3939.000	3922.000	-8.673	0.000
x		110.829%	-0.018	6.321	6.884	0.000	15450.000	3929.000	3921.000	-8.544	0.000
σ		0.718%	0.012	0.443	0.164	0.000	46.000	8.378	3.212	0.129	0.000
%RSD		0.648	68.130	7.013	2.382	0.000	0.298	0.213	0.082	1.515	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:32	1769.000	14630.000	14700.000	100.605%	0.303	-5.402	2.213	13720.000	197.700	390.200
2	17:44:18	1778.000	14510.000	14640.000	101.336%	0.236	-1.113	2.077	13980.000	197.200	387.400
3	17:46:03	1800.000	14650.000	14750.000	101.096%	0.385	-1.149	2.059	14110.000	197.900	416.100
x		1782.000	14600.000	14700.000	101.012%	0.308	-2.555	2.116	13940.000	197.600	397.900
σ		16.120	75.880	59.070	0.372%	0.075	2.466	0.084	198.400	0.371	15.820
%RSD		0.905	0.520	0.402	0.369	24.200	96.530	3.992	1.424	0.188	3.977

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:32	446.700	0.757	2.448	2.064	18.460	19.580	276.100	-0.783	1.426	-0.139
2	17:44:18	436.300	0.752	2.708	2.406	17.990	18.660	276.300	1.091	0.568	0.310
3	17:46:03	442.900	0.701	2.826	2.512	17.950	18.610	275.500	0.556	1.658	0.325
x		442.000	0.737	2.661	2.327	18.130	18.950	276.000	0.288	1.217	0.165
σ		5.254	0.031	0.194	0.234	0.283	0.544	0.441	0.965	0.574	0.263
%RSD		1.189	4.223	7.278	10.060	1.558	2.869	0.160	335.500	47.160	159.400

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:32	96.237%	-2.353	91.627%	0.657	2.247	0.988	-0.209	-0.121	91.440%	0.028
2	17:44:18	98.540%	-2.315	100.251%	0.708	2.033	0.910	-0.011	-0.016	98.067%	0.070
3	17:46:03	99.419%	-2.350	100.856%	0.685	2.299	0.935	-0.269	-0.150	100.455%	0.068
x		98.066%	-2.340	97.578%	0.683	2.193	0.944	-0.163	-0.095	96.654%	0.056
σ		1.643%	0.021	5.163%	0.026	0.141	0.040	0.135	0.071	4.671%	0.024
%RSD		1.676	0.903	5.291	3.752	6.411	4.187	83.000	74.020	4.832	42.620

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:42:32	0.470	45.710	95.659%	95.886%	-0.032	-0.006	0.091	97.056%	0.000	0.000
2	17:44:18	0.448	45.030	98.844%	98.999%	-0.030	-0.015	0.085	100.114%	0.000	0.000
3	17:46:03	0.443	44.700	99.524%	99.832%	-0.034	-0.020	0.077	100.812%	0.000	0.000
x		0.454	45.150	98.009%	98.239%	-0.032	-0.014	0.085	99.328%	0.000	0.000
σ		0.015	0.516	2.064%	2.080%	0.002	0.007	0.007	1.998%	0.000	0.000
%RSD		3.213	1.144	2.106	2.117	6.411	52.810	8.728	2.011	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:13	111.771%	-0.026	2.296	2.655	0.000	8357.000	1578.000	1578.000	-6.630	0.000
2	17:52:58	112.815%	-0.056	2.440	2.736	0.000	8386.000	1574.000	1568.000	-6.652	0.000
3	17:54:44	111.184%	-0.055	2.632	2.458	0.000	8478.000	1586.000	1593.000	-6.731	0.000
x		111.924%	-0.046	2.456	2.616	0.000	8407.000	1579.000	1579.000	-6.671	0.000
σ		0.826%	0.017	0.169	0.143	0.000	63.200	6.337	12.560	0.053	0.000
%RSD		0.738	37.040	6.877	5.477	0.000	0.752	0.401	0.795	0.794	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:13	612.300	6695.000	6958.000	102.097%	0.624	-6.671	2.169	14100.000	1.807	16.560
2	17:52:58	606.100	6844.000	6905.000	103.142%	0.826	1.896	1.970	13860.000	1.774	15.520
3	17:54:44	610.500	6631.000	6936.000	102.945%	0.626	-3.378	1.991	14010.000	1.795	16.480
x		609.700	6723.000	6933.000	102.728%	0.692	-2.718	2.043	13990.000	1.792	16.190
σ		3.187	109.600	26.620	0.555%	0.116	4.322	0.109	117.800	0.016	0.582
%RSD		0.523	1.630	0.384	0.540	16.750	159.000	5.354	0.842	0.911	3.598

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:13	23.150	-0.031	0.813	0.540	43.680	44.170	86.500	0.594	1.183	0.236

2	17:52:58	18.170	-0.062	0.648	0.305	42.910	43.820	87.330	-0.932	0.057	-0.163
3	17:54:44	17.410	-0.040	0.725	0.743	43.400	44.760	88.620	-0.323	2.129	-0.378
x		19.580	-0.045	0.728	0.529	43.330	44.250	87.480	-0.220	1.123	-0.102
σ		3.120	0.016	0.082	0.219	0.390	0.472	1.072	0.768	1.037	0.312
%RSD		15.940	36.060	11.310	41.400	0.900	1.067	1.225	348.500	92.350	307.100

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:13	97.210%	-2.082	92.734%	-0.013	1.994	-0.002	-0.040	0.004	92.628%	0.233
2	17:52:58	99.164%	-2.049	100.368%	-0.015	2.075	-0.001	-0.094	-0.032	98.568%	0.232
3	17:54:44	98.873%	-2.025	100.874%	0.002	2.188	0.005	-0.185	-0.097	100.634%	0.171
x		98.416%	-2.052	97.992%	-0.009	2.086	0.001	-0.107	-0.042	97.277%	0.212
σ		1.055%	0.029	4.560%	0.009	0.097	0.004	0.073	0.051	4.156%	0.035
%RSD		1.072	1.398	4.654	109.700	4.671	476.400	68.440	123.300	4.273	16.690

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:51:13	0.388	11.590	96.254%	95.920%	-0.042	-0.028	1.757	98.075%	0.000	0.000
2	17:52:58	0.563	11.280	99.300%	98.989%	-0.035	-0.024	1.750	100.629%	0.000	0.000
3	17:54:44	0.481	11.270	99.692%	99.857%	-0.029	-0.033	1.754	101.328%	0.000	0.000
x		0.477	11.380	98.415%	98.255%	-0.035	-0.028	1.754	100.011%	0.000	0.000
σ		0.088	0.185	1.882%	2.068%	0.007	0.005	0.003	1.713%	0.000	0.000
%RSD		18.380	1.626	1.913	2.105	19.340	16.870	0.184	1.712	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:54	110.320%	-0.062	4.682	4.747	0.000	16760.000	5006.000	4991.000	-8.648	0.000
2	18:01:39	112.687%	-0.078	4.534	4.591	0.000	16730.000	4997.000	4946.000	-8.686	0.000
3	18:03:25	112.847%	-0.085	5.127	4.508	0.000	16820.000	5009.000	4961.000	-8.690	0.000
x		111.951%	-0.075	4.781	4.616	0.000	16770.000	5004.000	4966.000	-8.674	0.000
σ		1.415%	0.012	0.309	0.122	0.000	44.280	6.525	22.440	0.023	0.000
%RSD		1.264	15.420	6.456	2.637	0.000	0.264	0.130	0.452	0.268	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:54	1090.000	M 39110.000	M 38630.000	103.353%	0.622	-5.498	2.122	14040.000	11.960	13.540
2	18:01:39	1103.000	M 39140.000	M 42500.000	103.390%	0.880	1.602	2.247	14340.000	11.930	12.750
3	18:03:25	1100.000	M 39050.000	M 42690.000	103.665%	0.688	-3.562	2.074	14490.000	11.960	11.260
x		1098.000	M 39100.000	M 41270.000	103.469%	0.730	-2.486	2.148	14290.000	11.950	12.520
σ		6.607	M 43.590	M 2291.000	0.170%	0.134	3.670	0.089	231.400	0.019	1.156
%RSD		0.602	M 0.112	M 5.552	0.165	18.320	147.600	4.151	1.620	0.156	9.232

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:54	140.100	-0.170	0.173	0.017	9.743	10.430	21.770	0.582	1.084	0.627
2	18:01:39	132.000	-0.170	0.325	-0.381	9.820	10.450	21.240-	0.058	0.649	0.710
3	18:03:25	128.800	-0.154	0.191	0.066	9.429	10.560	21.880	0.494	0.154	0.396
x		133.600	-0.165	0.230	-0.100	9.664	10.480	21.630	0.339	0.629	0.578
σ		5.811	0.009	0.083	0.245	0.207	0.069	0.341	0.347	0.466	0.163
%RSD		4.348	5.574	36.230	246.000	2.143	0.662	1.577	102.200	74.010	28.240

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:54	97.747%	-1.920	92.654%	-0.027	1.939	-0.023	0.018	0.044	93.135%	0.008
2	18:01:39	99.507%	-1.888	100.499%	-0.031	2.230	-0.031	-0.223	-0.149	98.936%	0.018
3	18:03:25	100.103%	-1.828	100.862%	-0.022	2.334	-0.020	-0.299	-0.210	100.348%	0.008
x		99.119%	-1.879	98.005%	-0.027	2.167	-0.024	-0.168	-0.105	97.473%	0.011
σ		1.225%	0.047	4.637%	0.004	0.205	0.006	0.166	0.133	3.823%	0.005
%RSD		1.236	2.502	4.732	16.680	9.450	22.640	98.700	126.500	3.922	47.890

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:59:54	0.387	244.100	96.257%	96.546%	-0.090	-0.058	0.380	97.727%	0.000	0.000
2	18:01:39	0.358	242.600	99.221%	99.118%	-0.038	-0.044	0.384	100.319%	0.000	0.000
3	18:03:25	0.418	242.800	100.044%	99.927%	-0.057	-0.047	0.388	100.511%	0.000	0.000
x		0.388	243.200	98.507%	98.530%	-0.062	-0.050	0.384	99.519%	0.000	0.000

σ	0.030	0.827	1.992%	1.765%	0.026	0.007	0.004	1.555%	0.000	0.000
%RSD	7.808	0.340	2.022	1.792	42.340	14.220	1.013	1.562	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:36	111.900%	-0.070	2.109	2.161	0.000	8222.000	1578.000	1579.000	-0.618	0.000
2	18:10:21	113.255%	-0.078	2.005	2.163	0.000	8218.000	1570.000	1565.000	-0.602	0.000
3	18:12:07	111.766%	-0.048	1.795	2.235	0.000	8331.000	1594.000	1591.000	-0.386	0.000
x		112.307%	-0.065	1.969	2.186	0.000	8257.000	1581.000	1578.000	-0.535	0.000
σ		0.824%	0.015	0.160	0.042	0.000	64.370	12.180	13.270	0.130	0.000
%RSD		0.733	23.520	8.139	1.942	0.000	0.780	0.770	0.841	24.240	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:36	562.300	6492.000	6775.000	103.245%	1.592	-5.014	2.185	14120.000	1.769	33.860
2	18:10:21	567.300	6619.000	6826.000	102.690%	2.224	-2.098	2.161	14070.000	1.726	32.740
3	18:12:07	574.300	6680.000	6862.000	102.296%	2.250	-1.070	1.924	14050.000	1.734	33.750
x		568.000	6597.000	6821.000	102.744%	2.022	-2.727	2.090	14080.000	1.743	33.450
σ		6.025	95.890	43.800	0.477%	0.373	2.046	0.144	36.150	0.023	0.619
%RSD		1.061	1.454	0.642	0.464	18.430	75.020	6.909	0.257	1.310	1.849

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se82	Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:36	36.350	-0.033	0.688	0.485	63.790	65.000	154.000	-0.244	3.035	0.199
2	18:10:21	42.150	-0.045	0.549	0.378	62.810	63.540	154.300	0.175	0.209	0.519
3	18:12:07	37.090	-0.051	0.711	0.404	63.490	63.190	152.800	-0.895	0.034	-0.222
x		38.530	-0.043	0.649	0.422	63.360	63.910	153.700	-0.321	1.093	0.165
σ		3.157	0.009	0.087	0.056	0.499	0.961	0.789	0.539	1.685	0.372
%RSD		8.195	21.380	13.470	13.290	0.787	1.503	0.513	167.700	154.200	224.700

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:36	96.571%	-2.084	92.927%	-0.025	2.109	-0.005	-0.120	-0.073	92.416%	0.357
2	18:10:21	99.275%	-2.135	100.055%	-0.030	1.996	-0.009	-0.033	-0.008	98.378%	0.268
3	18:12:07	99.412%	-2.072	100.726%	-0.031	1.982	-0.012	-0.018	0.014	99.877%	0.312
x		98.419%	-2.097	97.903%	-0.028	2.029	-0.008	-0.057	-0.022	96.890%	0.313
σ		1.602%	0.033	4.322%	0.003	0.070	0.004	0.055	0.045	3.947%	0.044
%RSD		1.628	1.589	4.415	11.620	3.449	41.690	95.660	202.100	4.074	14.200

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:08:36	0.360	10.940	95.759%	95.736%	-0.091	-0.066	2.513	97.609%	0.000	0.000
2	18:10:21	0.399	10.910	98.992%	98.848%	-0.075	-0.065	2.460	100.845%	0.000	0.000
3	18:12:07	0.433	10.900	99.719%	99.753%	-0.102	-0.072	2.469	101.337%	0.000	0.000
x		0.397	10.920	98.157%	98.112%	-0.089	-0.068	2.480	99.930%	0.000	0.000
σ		0.036	0.020	2.108%	2.107%	0.014	0.003	0.028	2.025%	0.000	0.000
%RSD		9.119	0.181	2.148	2.148	15.250	4.848	1.132	2.027	0.000	0.000

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User Pre-dilution: 2.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:16	103.886%	-0.075	-0.362	-0.330	0.000	-23.030	1.974	3.988	-11.170	0.000
2	18:19:01	104.089%	-0.068	-0.286	-0.133	0.000	3.602	2.481	4.555	-9.861	0.000
3	18:20:47	103.867%	-0.060	-0.400	-0.267	0.000	17.440	2.820	2.619	-9.725	0.000
x		103.948%	-0.068	-0.349	-0.243	0.000	-0.665	2.425	3.721	-10.250	0.000
σ		0.123%	0.008	0.058	0.101	0.000	20.570	0.426	0.995	0.796	0.000
%RSD		0.119	11.620	16.640	41.380	0.000	3094.000	17.570	26.740	7.764	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:16	-13.920	-149.400	-96.570	99.430%	-0.583	3.507	-0.666	2970.000	-0.102	1.741
2	18:19:01	-12.800	-149.200	-101.500	98.371%	-0.612	3.119	-0.858	2808.000	-0.119	2.072
3	18:20:47	-13.780	-146.300	-102.100	99.547%	-0.658	2.986	-0.837	2695.000	-0.132	0.767
x		-13.500	-148.300	-100.100	99.116%	-0.618	3.204	-0.787	2824.000	-0.118	1.526
		0.609	1.731	3.049	0.648%	0.038	0.271	0.105	138.400	0.015	0.678

σ											
%RSD		4.512	1.167	3.047	0.654	6.137	8.444	13.370	4.901	12.780	44.440
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:16	-4.672	-0.036	-0.370	-0.726	-1.189	-0.232	-17.120	-0.578	0.244	-0.626
2	18:19:01	-10.160	-0.044	-0.377	-0.822	-1.157	-0.167	-17.210	-0.002	-0.184	-0.138
3	18:20:47	-8.718	-0.038	-0.454	-0.426	-1.065	-0.268	-17.340	-0.727	1.116	0.024
X		-7.851	-0.039	-0.401	-0.658	-1.137	-0.222	-17.220	-0.436	0.392	-0.247
σ		2.846	0.005	0.047	0.207	0.064	0.051	0.108	0.383	0.662	0.339
%RSD		36.260	11.480	11.670	31.440	5.667	23.070	0.627	87.900	168.800	137.500
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:16	94.209%	-2.453	90.472%	-0.057	1.983	-0.058	-0.050	-0.020	90.130%	-0.095
2	18:19:01	96.137%	-2.474	97.204%	-0.052	2.120	-0.057	-0.172	-0.115	94.973%	-0.080
3	18:20:47	95.645%	-2.449	97.576%	-0.059	1.878	-0.056	0.034	0.039	95.611%	-0.108
X		95.330%	-2.459	95.084%	-0.056	1.994	-0.057	-0.063	-0.032	93.571%	-0.095
σ		1.002%	0.014	3.999%	0.003	0.121	0.001	0.103	0.078	2.997%	0.014
%RSD		1.051	0.557	4.205	5.921	6.079	1.947	165.000	241.600	3.203	14.670
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:17:16	-0.221	-0.163	91.862%	91.446%	-0.136	-0.131	-0.154	92.846%	0.000	0.000
2	18:19:01	-0.219	-0.181	94.183%	93.712%	-0.135	-0.128	-0.153	95.175%	0.000	0.000
3	18:20:47	-0.238	-0.204	94.031%	93.536%	-0.142	-0.129	-0.147	95.062%	0.000	0.000
X		-0.226	-0.183	93.359%	92.898%	-0.138	-0.129	-0.152	94.361%	0.000	0.000
σ		0.010	0.020	1.298%	1.261%	0.004	0.002	0.004	1.313%	0.000	0.000
%RSD		4.651	11.090	1.390	1.357	2.576	1.234	2.425	1.392	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:54	104.556%	129.300	130.900	129.800	0.000	5054.000	4731.000	5058.000	5038.000	0.000
2	18:27:40	103.867%	129.900	131.000	135.000	0.000	5147.000	4780.000	5183.000	5125.000	0.000
3	18:29:25	103.920%	130.100	133.800	132.000	0.000	5127.000	4775.000	5151.000	5120.000	0.000
X		104.114%	129.800	131.900	132.300	0.000	5109.000	4762.000	5131.000	5094.000	0.000
σ		0.384%	0.414	1.629	2.590	0.000	48.840	27.160	64.930	48.980	0.000
%RSD		0.368	0.319	1.235	1.958	0.000	0.956	0.570	1.265	0.962	0.000
Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:54	4989.000	5030.000	5058.000	97.430%	125.100	122.900	126.800	3074.000	123.100	5147.000
2	18:27:40	5099.000	5104.000	5110.000	98.493%	124.200	123.000	126.800	3073.000	123.900	5183.000
3	18:29:25	5119.000	5187.000	5116.000	98.541%	127.100	123.000	126.900	3099.000	124.000	5213.000
X		5069.000	5107.000	5095.000	98.154%	125.500	123.000	126.800	3082.000	123.700	5181.000
σ		70.020	78.590	31.730	0.628%	1.476	0.055	0.059	14.890	0.471	32.970
%RSD		1.381	1.539	0.623	0.640	1.176	0.044	0.046	0.483	0.381	0.636
Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:54	5110.000	125.200	129.500	126.400	125.400	126.500	M 280.000	125.600	128.000	124.900
2	18:27:40	5143.000	125.300	129.500	128.800	126.000	127.100	M 285.000	127.600	127.400	128.000
3	18:29:25	5138.000	124.900	129.100	129.500	126.200	127.200	M 282.500	126.800	127.900	127.900
X		5131.000	125.100	129.400	128.200	125.900	126.900	M 282.500	126.700	127.800	126.900
σ		17.920	0.200	0.203	1.582	0.386	0.409	M 2.514	1.030	0.309	1.774
%RSD		0.349	0.160	0.157	1.233	0.306	0.322	M 0.890	0.813	0.242	1.398
Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:54	91.560%	125.500	86.311%	135.600	1.851	185.900	122.100	123.200	84.809%	125.100
2	18:27:40	93.005%	127.200	93.088%	137.200	1.897	188.000	123.700	123.900	90.061%	125.600
3	18:29:25	92.742%	127.500	92.919%	138.600	1.393	189.700	123.400	123.600	91.452%	125.000
X		92.436%	126.700	90.773%	137.100	1.713	187.900	123.100	123.600	88.774%	125.200
σ		0.770%	1.044	3.865%	1.498	0.279	1.914	0.876	0.342	3.504%	0.307
%RSD		0.833	0.824	4.258	1.092	16.270	1.019	0.712	0.277	3.947	0.245
Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U

		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:25:54	127.300	125.200	87.442%	87.012%	120.500	120.700	124.100	86.462%	0.000	0.000
2	18:27:40	128.700	126.500	89.857%	89.593%	123.000	122.500	124.800	89.040%	0.000	0.000
3	18:29:25	128.000	125.500	90.606%	90.359%	123.000	123.100	125.100	88.980%	0.000	0.000
x		128.000	125.700	89.302%	88.988%	122.200	122.100	124.600	88.161%	0.000	0.000
σ		0.689	0.695	1.653%	1.753%	1.451	1.271	0.494	1.471%	0.000	0.000
%RSD		0.538	0.552	1.851	1.970	1.188	1.041	0.397	1.669	0.000	0.000

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	11B	13C	23Na	25Mg	26Mg	27Al	37Cl
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:32	104.398%	0.029	2.015	2.282	0.000	0.345	0.072	0.809	-2.460	0.000
2	18:36:17	106.272%	-0.003	1.219	1.065	0.000	-2.152	-1.439	-1.078	-3.838	0.000
3	18:38:02	106.244%	-0.011	0.807	0.996	0.000	-2.374	-1.528	-1.027	-3.957	0.000
x		105.638%	0.005	1.347	1.447	0.000	-1.394	-0.965	-0.432	-3.418	0.000
σ		1.074%	0.021	0.614	0.723	0.000	1.510	0.899	1.075	0.832	0.000
%RSD		1.017	443.000	45.580	49.980	0.000	108.400	93.140	248.900	24.350	0.000

Run	Time	39K	43Ca	44Ca	45Sc	47Ti	51V	52Cr	53Cl O	55Mn	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:32	-1.685	-66.220	-42.590	97.420%	-0.144	-0.602	0.248	3289.000	0.019	7.446
2	18:36:17	-3.397	-69.900	-44.560	98.260%	-0.260	-1.842	0.091	3276.000	-0.018	5.342
3	18:38:02	-3.227	-70.630	-45.430	97.870%	-0.229	-0.453	0.069	3253.000	-0.043	6.075
x		-2.770	-68.910	-44.190	97.850%	-0.211	-0.966	0.136	3273.000	-0.014	6.288
σ		0.943	2.365	1.456	0.420%	0.060	0.762	0.098	17.890	0.031	1.068
%RSD		34.050	3.432	3.293	0.430	28.440	78.960	71.760	0.547	222.300	16.990

Run	Time	57Fe	59Co	60Ni	62Ni	63Cu	65Cu	66Zn	75As	78Se	82Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:32	1.975	0.048	-0.138	-0.213	-1.448	-1.013	-6.593	0.176	1.219	0.043
2	18:36:17	0.342	0.009	-0.193	-0.308	-1.495	-1.077	-6.863	-0.124	0.696	0.017
3	18:38:02	-0.157	-0.002	-0.208	-0.296	-1.491	-1.090	-6.802	-0.181	1.073	0.047
x		0.720	0.018	-0.180	-0.273	-1.478	-1.060	-6.753	-0.043	0.996	0.036
σ		1.116	0.026	0.037	0.052	0.026	0.041	0.141	0.192	0.270	0.016
%RSD		154.900	145.800	20.410	18.930	1.731	3.847	2.094	450.300	27.120	44.930

Run	Time	89Y	95Mo	103Rh	107Ag	108Mo O	109Ag	111Cd	114Cd	115In	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:32	89.784%	-0.717	85.363%	0.056	1.047	0.079	0.005	0.022	83.325%	0.078
2	18:36:17	92.427%	-0.850	92.639%	0.011	1.060	0.029	-0.049	-0.026	89.260%	0.023
3	18:38:02	93.284%	-0.934	93.999%	-0.001	1.213	0.013	-0.186	-0.121	90.772%	0.013
x		91.831%	-0.834	90.667%	0.022	1.107	0.041	-0.076	-0.042	87.786%	0.038
σ		1.825%	0.110	4.643%	0.030	0.092	0.034	0.098	0.073	3.936%	0.035
%RSD		1.987	13.170	5.121	136.500	8.343	85.080	128.500	174.500	4.484	91.800

Run	Time	121Sb	137Ba	159Tb	165Ho	203Tl	205Tl	208Pb	209Bi	220Bkg	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:32	0.044	-0.009	84.525%	83.839%	0.347	0.360	-0.000	83.022%	0.000	0.000
2	18:36:17	-0.005	-0.059	88.234%	87.652%	0.194	0.220	-0.041	87.810%	0.000	0.000
3	18:38:02	-0.016	-0.090	89.887%	89.402%	0.132	0.144	-0.046	89.632%	0.000	0.000
x		0.008	-0.053	87.549%	86.964%	0.224	0.241	-0.029	86.821%	0.000	0.000
σ		0.032	0.041	2.746%	2.845%	0.111	0.110	0.025	3.415%	0.000	0.000
%RSD		404.800	78.150	3.136	3.271	49.430	45.380	85.670	3.933	0.000	0.000

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:47	MA14302-STD1	1		STDA
10:55	MA14302-STD2	1		STDB
11:02	MA14302-STD3	1		STDC
11:07	MA14302-STD4	1		STDD
11:12	MA14302-STD5	1		STDE
11:29	MA14302-STD6	1		STDC
11:32	MA14302-HSTD1	1		
11:40	MA14302-CRIB1	1		
11:47	MA14302-ICV1	1		
11:55	MA14302-ICB1	1		
12:03	MA14302-CCV1	1		
12:10	MA14302-CCB1	1		
12:18	MA14302-ICSA1	1		
12:30	MA14302-ICSAB1	1		
12:38	MA14302-CCV2	1		
12:46	MA14302-CCB2	1		
12:56	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:11	ZZZZZZ	1		
13:18	ZZZZZZ	1		
13:26	ZZZZZZ	1		
13:34	MP26669-MB2	1		
13:41	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:56	ZZZZZZ	1		
14:04	MA14302-CCV3	1		
14:12	MA14302-CCB3	1		
14:21	MP26669-B2	1		
14:28	ZZZZZZ	1		
14:44	ZZZZZZ	1		
14:51	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:08	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:15	MA14302-CCV4	1		
15:29	MA14302-CCB4	1		
15:38	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:53	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:09	ZZZZZZ	2		
16:21	MP26794-MB2	1		
16:28	MP26794-B2	1		
16:37	MA14302-CRIB2	1		
16:49	MA14302-ICSA2	1		
16:57	MA14302-ICSAB2	1		
17:04	MA14302-CCV5	1		
17:12	MA14302-CCB5	1		
17:22	MA14302-ICSA3	1		
17:45	MA14302-ICSAB3	1		
17:53	MA14302-CCV6	1		
18:11	MA14302-CCB6	1		
18:21	MA14302-CCV7	1		
18:42	MA14302-CCB7	1		
18:50	ZZZZZZ	1		
18:57	MP26737-S1	1		
19:05	MP26737-S2	1		
19:13	N74259-3F	1		(sample used for QC only; not part of login N74914)
19:20	MP26737-SD1	5		
19:28	MP26788-MB1	1		
19:36	MP26788-LC1	1		
19:43	MP26788-S1	1		To reanalysis for Al.
19:51	MP26788-S2	1		To reanalysis for Al.
19:59	MA14302-CCV8	1		
20:06	MA14302-CCB8	1		
20:14	N74914-9	1		To reanalysis for Al, CCB out.
20:22	MP26788-SD1	5		To reanalysis for Al, CCB out.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:30	N74914-10	1		To reanalysis for Al, CCB out. Sb bad replicate.
20:37	N74914-11	1		To reanalysis for Al, CCB out.
20:45	N74914-12	1		To reanalysis for Al, CCB out. Sb bad replicate.
20:53	N74914-13	1		To reanalysis for Al, CCB out.
21:00	N74914-14	1		To reanalysis for Al, CCB out.
21:08	N74914-15	1		To reanalysis for Al, CCB out. Sb bad replicate.
21:16	MP26789-MB1	1		
21:23	MA14302-CCV9	1		
21:41	MA14302-CCB9	1		
21:49	MP26789-LC1	1		
21:57	MP26789-S1	1		
22:04	MP26789-S2	1		
22:12	N74914-9F	1		
22:20	MP26789-SD1	5		
22:27	N74914-10F	1		
22:35	N74914-11F	1		
22:43	N74914-12F	1		
22:50	N74914-13F	1		
22:58	MA14302-CCV10	1		
23:06	MA14302-CCB10	1		
23:44	MA14302-CRIB3	1		
00:03	MA14302-ICSA4	1		
00:11	MA14302-ICSAB4	1		
00:18	MA14302-CCV11	1		
00:26	MA14302-CCB11	1		
00:36	N74914-14F	1		Results confirmed with undigested in MA14310.
00:44	N74914-15F	1		results confirmed with undigested in MA14310.
---------->	Last reportable sample/prep for job N74914			
00:51	ZZZZZZ	1		
00:59	MP26790-MB1	1		Batch to reanalysis for As. As bad replicate.
01:07	MP26790-LC1	1		
01:14	MP26790-S1	1		To reanalysis for Sb, analytical problems.
01:22	MP26790-S2	1		To reanalysis for Sb, analytical problems.
01:30	N74940-1	1		(sample used for QC only; not part of login N74914)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:38	MP26790-SD1	5		To reanalysis for Sb, analytical problems.
01:45	MA14302-CCV12	1		
01:53	MA14302-CCB12	1		
02:01	ZZZZZZ	1		
02:08	ZZZZZZ	1		
02:16	ZZZZZZ	1		
02:24	ZZZZZZ	1		
02:32	ZZZZZZ	1		
02:39	ZZZZZZ	1		
02:47	ZZZZZZ	1		
02:55	ZZZZZZ	1		
03:02	ZZZZZZ	1		
03:10	ZZZZZZ	1		
03:18	MA14302-CCV13	1		
03:25	MA14302-CCB13	1		
03:33	ZZZZZZ	1		
03:41	ZZZZZZ	1		
03:49	ZZZZZZ	1		
03:56	ZZZZZZ	1		
04:04	ZZZZZZ	1		
04:12	ZZZZZZ	1		
04:19	ZZZZZZ	1		
04:27	MP26805-MB1	1		See rerun for Sb, analytical problems.
04:35	MP26805-LC1	1		
04:43	MA14302-CCV14	1		
04:50	MA14302-CCB14	1		
04:58	MP26805-B1	1		
05:06	MP26805-S1	1		To reanalysis for Sb, analytical problems.
05:13	MP26805-S2	1		To reanalysis for Sb, analytical problems.
05:21	N75087-1	1		(sample used for QC only; not part of login N74914)
05:29	MP26805-SD1	5		To reanalysis for Sb, analytical problems.
05:36	ZZZZZZ	1		
05:44	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:52	ZZZZZZ	1		
06:00	ZZZZZZ	1		
06:07	ZZZZZZ	1		
06:15	MA14302-CCV15	1		
06:23	MA14302-CCB15	1		
06:31	ZZZZZZ	1		
06:38	ZZZZZZ	1		
06:46	ZZZZZZ	1		
06:54	ZZZZZZ	1		
07:01	ZZZZZZ	1		
07:09	ZZZZZZ	1		
07:17	ZZZZZZ	1		
07:25	MA14302-CRIB4	1		
07:39	MA14302-ICSA5	1		
07:46	MA14302-ICSAB5	1		
07:54	MA14302-CCV16	1		
08:05	MA14302-CCB16	1		Time gap due to printer problems.
---------->	Last reportable CCB for job N74914			
08:15	ZZZZZZ	1		
08:23	ZZZZZZ	1		
08:30	ZZZZZZ	1		To reanalysis.
08:38	N74914-9	1		To reanalysis.
08:46	MP26788-SD1	5		To reanalysis.
08:54	MP26790-MB1	1		Confirmation.
09:01	MP26805-MB1	1		Confirmation.
09:10	MA14302-CRIB5	1		
09:17	MA14302-ICSA6	1		
09:27	MA14302-ICSAB7	1		
09:35	MA14302-CCV18	1		
09:43	MA14302-CCB18	1		
09:54	ZZZZZZ	1		
10:02	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
10:47	MA14302-STD1	38309 R
10:55	MA14302-STD2	37852
11:02	MA14302-STD3	37984
11:07	MA14302-STD4	37663
11:12	MA14302-STD5	37727
11:29	MA14302-STD6	37571
11:32	MA14302-HSTD1	37638
11:40	MA14302-CRIB1	38413
11:47	MA14302-ICV1	38104
11:55	MA14302-ICB1	38431
12:03	MA14302-CCV1	38030
12:10	MA14302-CCB1	37730
12:18	MA14302-ICSA1	36846
12:30	MA14302-ICSAB1	36181
12:38	MA14302-CCV2	37337
12:46	MA14302-CCB2	38433
12:56	ZZZZZZ	40580
13:03	ZZZZZZ	38915
13:11	ZZZZZZ	38057
13:18	ZZZZZZ	38330
13:26	ZZZZZZ	38032
13:34	MP26669-MB2	37763
13:41	ZZZZZZ	38424
13:49	ZZZZZZ	38605
13:56	ZZZZZZ	39454
14:04	MA14302-CCV3	37293
14:12	MA14302-CCB3	38245
14:21	MP26669-B2	37576
14:28	ZZZZZZ	39229
14:44	ZZZZZZ	38530
14:51	ZZZZZZ	38711
14:59	ZZZZZZ	38295
15:08	ZZZZZZ	38444
15:15	MA14302-CCV4	38005

1502

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
15:29	MA14302-CCB4	37939
15:38	ZZZZZZ	37982
15:45	ZZZZZZ	38789
15:53	ZZZZZZ	38475
16:01	ZZZZZZ	37898
16:09	ZZZZZZ	37597
16:21	MP26794-MB2	37326
16:28	MP26794-B2	37968
16:37	MA14302-CRIB2	37081
16:49	MA14302-ICSA2	35957
16:57	MA14302-ICSAB2	36513
17:04	MA14302-CCV5	37250
17:12	MA14302-CCB5	37341
17:22	MA14302-ICSA3	35455
17:45	MA14302-ICSAB3	35519
17:53	MA14302-CCV6	37126
18:11	MA14302-CCB6	37385
18:21	MA14302-CCV7	36873
18:42	MA14302-CCB7	37099
18:50	ZZZZZZ	37236
18:57	MP26737-S1	36927
19:05	MP26737-S2	36991
19:13	N74259-3F	37242
19:20	MP26737-SD1	37057
19:28	MP26788-MB1	37627
19:36	MP26788-LC1	36999
19:43	MP26788-S1	36435
19:51	MP26788-S2	36855
19:59	MA14302-CCV8	37031
20:06	MA14302-CCB8	37249
20:14	N74914-9	37173
20:22	MP26788-SD1	36860
20:30	N74914-10	36905
20:37	N74914-11	36683

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
20:45	N74914-12	36549
20:53	N74914-13	36471
21:00	N74914-14	35501
21:08	N74914-15	36474
21:16	MP26789-MB1	35651
21:23	MA14302-CCV9	35525
21:41	MA14302-CCB9	36131
21:49	MP26789-LC1	35682
21:57	MP26789-S1	35276
22:04	MP26789-S2	34872
22:12	N74914-9F	35265
22:20	MP26789-SD1	35775
22:27	N74914-10F	35487
22:35	N74914-11F	35181
22:43	N74914-12F	34675
22:50	N74914-13F	34567
22:58	MA14302-CCV10	36043
23:06	MA14302-CCB10	36126
23:44	MA14302-CRIB3	35614
00:03	MA14302-ICSA4	33925
00:11	MA14302-ICSAB4	34937
00:18	MA14302-CCV11	35175
00:26	MA14302-CCB11	36045
00:36	N74914-14F	34862
00:44	N74914-15F	35451
00:51	ZZZZZZ	35674
00:59	MP26790-MB1	35506
01:07	MP26790-LC1	35626
01:14	MP26790-S1	35186
01:22	MP26790-S2	35147
01:30	N74940-1	34945
01:38	MP26790-SD1	35053
01:45	MA14302-CCV12	34570
01:53	MA14302-CCB12	35508

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
02:01	ZZZZZZ	34788
02:08	ZZZZZZ	34678
02:16	ZZZZZZ	34871
02:24	ZZZZZZ	36170
02:32	ZZZZZZ	34901
02:39	ZZZZZZ	35803
02:47	ZZZZZZ	36059
02:55	ZZZZZZ	35775
03:02	ZZZZZZ	35404
03:10	ZZZZZZ	37249
03:18	MA14302-CCV13	35888
03:25	MA14302-CCB13	36533
03:33	ZZZZZZ	36891
03:41	ZZZZZZ	35681
03:49	ZZZZZZ	36540
03:56	ZZZZZZ	35658
04:04	ZZZZZZ	35902
04:12	ZZZZZZ	35686
04:19	ZZZZZZ	35511
04:27	MP26805-MB1	36062
04:35	MP26805-LC1	35432
04:43	MA14302-CCV14	35165
04:50	MA14302-CCB14	36027
04:58	MP26805-B1	35289
05:06	MP26805-S1	34941
05:13	MP26805-S2	35230
05:21	N75087-1	36354
05:29	MP26805-SD1	36012
05:36	ZZZZZZ	35373
05:44	ZZZZZZ	35823
05:52	ZZZZZZ	35094
06:00	ZZZZZZ	35816
06:07	ZZZZZZ	34741
06:15	MA14302-CCV15	35870

INTERNAL STANDARD SUMMARY

Login Number: N74914
Account: ENSRMAA - ENSR Consulting & Engineering
Project: Former Camp Butner, NC

File ID: IT0817M1.ASC Date Analyzed: 08/17/04 Methods: EPA 200.7, SW846 6010B
Analyst: ND Run ID: MA14302
Parameters: Al,Sb,As,Ba,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,V,Zn

Time	Sample Description	Istd#1
06:23	MA14302-CCB15	36966
06:31	ZZZZZZ	34743
06:38	ZZZZZZ	35738
06:46	ZZZZZZ	35524
06:54	ZZZZZZ	35975
07:01	ZZZZZZ	35771
07:09	ZZZZZZ	34904
07:17	ZZZZZZ	35887
07:25	MA14302-CRIB4	36251
07:39	MA14302-ICSA5	34455
07:46	MA14302-ICSAB5	34764
07:54	MA14302-CCV16	35845
08:05	MA14302-CCB16	36605
08:15	ZZZZZZ	35923
08:23	ZZZZZZ	35873
08:30	ZZZZZZ	36367
08:38	N74914-9	35973
08:46	MP26788-SD1	35995
08:54	MP26790-MB1	36301
09:01	MP26805-MB1	36069
09:10	MA14302-CRIB5	36539
09:17	MA14302-ICSA6	34546
09:27	MA14302-ICSAB7	34528
09:35	MA14302-CCV18	36342
09:43	MA14302-CCB18	36433
09:54	ZZZZZZ	33902
10:02	ZZZZZZ	35072

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium	60-125 %

1506

LABORATORY REVIEW SIGNATURE FORM
(To be stored with the raw data)

File ID: IT0817M1.ASC
Analyst: ND

Date Analyzed: 08/17/04
Run ID: MA14302

Methods: EPA 200.7, SW846 6010B

The following analyst(s) have reviewd this run and attest that, to the best of their knowledge, this documentation is complete and correct:

Analyst: ND Date 8/18/04

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

Analyst: _____ Date _____

The following supervisor or their designee has reviewed this run and attests that, to the best of their knowledge, this documentation is complete and correct:

Supervisor (or designee): _____ Date 8/18/04

ACCUTEST

Analytical Standards Information Log

Analytical Run ID: 14302

Standard Type	Standard ID
Calibration Standard A	MA - 75 - 417 - STDA
Calibration Standard B	MA - 75 - 418 - STDB
Calibration Standard C	MA - 75 - 419 - STDC
Calibration Standard D	MA - 75 - 420 - STDD
Calibration Standard E	MA - 75 - 421 - STDE
Internal Standard	MA - 75 - 422 - IS
Initial Calibration Check Standard	MA - 59 - 056 - ICV
High Check Standard	MA - 69 - 201 - HSTD
Continuing Calibration Check Standard	MA - 71 - 206 - CCV
Interfering Element ICSA Standard	MA - 74 - 022 - ICSA
Interfering Element ICSAB Standard	MA - 74 - 021 - ICSAB 3
Low Check Standard	MA - 70 - 049 - CRI B

8-17-04

Form: AA-013
Rev. Date: 5/8/2001

Method: EPA3 Standard: STDA
Run Time: 08/17/04 10:47:33

Nancy Ryan 8/17/04

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Avge	.06498	.00110	.00065	.00011	.00084	.00777	.00028
SDev	.00022	.00003	.00082	.00014	.00049	.00037	.00002
%RSD	.34497	2.4229	126.02	126.97	57.509	4.7941	5.5420
#1	.06490	.00107	-.00003	-.00005	.00029	.00735	.00026
#2	.06481	.00110	.00157	.00018	.00107	.00790	.00029
#3	.06523	.00112	.00042	.00021	.00117	.00806	.00029

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Sb2068
Avge	.00215	-.00554	.00019	.00037	.00021	-.00063	.00131
SDev	.00022	.00096	.00009	.00038	.00103	.00306	.00205
%RSD	10.349	17.351	48.072	101.56	493.97	483.48	155.99
#1	.00193	-.00662	.00018	-.00003	.00091	.00078	.00010
#2	.00215	-.00523	.00029	.00042	-.00097	.00147	.00016
#3	.00237	-.00477	.00010	.00073	.00068	-.00415	.00368

Elem	Al3082	Ca3179	Fe2714	Mg2790	K 7664	Na3302	Mo2020
Avge	.00726	.00782	-.00023	.00057	.12971	.01224	-.00037
SDev	.00012	.00074	.00019	.00027	.00090	.00051	.00030
%RSD	1.6879	9.4018	80.076	48.063	.69534	4.1908	80.702
#1	.00712	.00764	-.00018	.00026	.12878	.01165	-.00021
#2	.00733	.00863	-.00008	.00065	.13058	.01253	-.00071
#3	.00733	.00720	-.00044	.00078	.12976	.01255	-.00018

Elem	Pd3404	Si2881	Sn1899	2203/1	2203/2	1960/1	1960/2
Avge	-.00027	.05614	-.00012	.00259	.00173	.00326	.00302
SDev	.00055	.00406	.00074	.00798	.00588	.01253	.00232
%RSD	204.26	7.2359	604.87	308.46	339.34	384.21	76.823
#1	-.00078	.05492	-.00057	.00076	.00521	-.00665	.00368
#2	-.00034	.05282	-.00052	-.00432	.00505	-.00092	.00494
#3	.00031	.06067	.00073	.01132	-.00506	.01735	.00044

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38309	--	--	--	--	--	--
SDev	77.71175	--	--	--	--	--	--
%RSD	.2028547	--	--	--	--	--	--
#1	38367	--	--	--	--	--	--
#2	38221	--	--	--	--	--	--
#3	38339	--	--	--	--	--	--

Method: EPA3 Standard: STDB
Run Time: 08/17/04 10:55:10

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Avge	4.9693	9.3963	16.234	.94432	2.7034	1.5456	2.2719
SDev	.0153	.0202	.040	.00152	.0062	.0055	.0057
%RSD	.30713	.21547	.24382	.16085	.22781	.35434	.25129
#1	4.9517	9.3894	16.236	.94349	2.6997	1.5393	2.2687
#2	4.9774	9.3805	16.193	.94340	2.7000	1.5484	2.2684
#3	4.9787	9.4192	16.272	.94607	2.7105	1.5491	2.2785

Elem	Ni2316	Zn2062	As1890	Tl1908	Mo2020	Pd3404	Sn1899
Avge	1.4883	1.9186	2.1064	1.7669	3.2462	.95721	1.2181
SDev	.0030	.0049	.0073	.0091	.0120	.00241	.0034
%RSD	.20478	.25792	.34428	.51594	.36811	.25183	.28152
#1	1.4878	1.9196	2.1046	1.7574	3.2342	.95466	1.2183
#2	1.4855	1.9132	2.1003	1.7677	3.2464	.95753	1.2145
#3	1.4916	1.9230	2.1144	1.7756	3.2581	.95944	1.2214

Elem	2203/1	2203/2	1960/1	1960/2
Avge	3.7291	6.2250	4.2917	2.2261
SDev	.0050	.0484	.0270	.0220
%RSD	.13457	.77693	.62878	.99030
#1	3.7297	6.1720	4.2793	2.2070
#2	3.7338	6.2666	4.3226	2.2502
#3	3.7238	6.2365	4.2730	2.2210

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37852	--	--	--	--	--	--
SDev	245.6345	--	--	--	--	--	--
%RSD	.6489339	--	--	--	--	--	--
#1	38135	--	--	--	--	--	--
#2	37724	--	--	--	--	--	--
#3	37697	--	--	--	--	--	--

Method: EPA3 Standard: STDC
Run Time: 08/17/04 11:02:01

Elem	Ag3280	Sb2068	Si2881
Avge	.66972	1.3285	2.9290
SDev	.00153	.0011	.0061
%RSD	.22812	.08483	.20938
#1	.66972	1.3272	2.9334
#2	.67125	1.3288	2.9316
#3	.66819	1.3294	2.9220

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37984	--	--	--	--	--	--
SDev	134.0164	--	--	--	--	--	--
%RSD	.3528234	--	--	--	--	--	--
#1	37835	--	--	--	--	--	--
#2	38022	--	--	--	--	--	--
#3	38095	--	--	--	--	--	--

Method: EPA3 Standard: STDD
Run Time: 08/17/04 11:07:17

Elem	V 2924
Avge	.66393
SDev	.00107
%RSD	.16147
#1	.66372
#2	.66298
#3	.66509

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37663	--	--	--	--	--	--
SDev	66.47715	--	--	--	--	--	--
%RSD	.1765068	--	--	--	--	--	--
#1	37594	--	--	--	--	--	--
#2	37666	--	--	--	--	--	--
#3	37727	--	--	--	--	--	--

Method: EPA3 Standard: STDE
Run Time: 08/17/04 11:12:35

Elem	Al3082	Ca3179	Fe2714	Mg2790	K 7664	Na3302
Avge	3.4738	5.7526	1.3851	3.2071	5.4940	.55893
SDev	.0102	.0454	.0081	.0171	.0346	.00155
%RSD	.29417	.78914	.58183	.53364	.63063	.27734
#1	3.4823	5.7952	1.3934	3.2236	5.5113	.56034
#2	3.4624	5.7578	1.3845	3.2083	5.4541	.55727
#3	3.4766	5.7049	1.3773	3.1895	5.5166	.55918

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37727	--	--	--	--	--	--
SDev	200.7144	--	--	--	--	--	--
%RSD	.5320150	--	--	--	--	--	--
#1	37626	--	--	--	--	--	--
#2	37958	--	--	--	--	--	--
#3	37598	--	--	--	--	--	--

Method: EPA3 Standard: STDC
Run Time: 08/17/04 11:29:28

Elem	Sb2068
Avge	1.3753
SDev	.0075
%RSD	.54195
#1	1.3826
#2	1.3757
#3	1.3677

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37571	--	--	--	--	--	--
SDev	146.1274	--	--	--	--	--	--
%RSD	.3889373	--	--	--	--	--	--
#1	37510	--	--	--	--	--	--
#2	37465	--	--	--	--	--	--
#3	37738	--	--	--	--	--	--

Method: EPA3 Sample Name: HSTD Operator:
Run Time: 08/17/04 11:32:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0349	3.9660	3.9152	3.9365	3.9504	4.0335	3.9500
SDev	.0067	.0042	.0035	.0037	.0022	.0039	.0033
%RSD	.16536	.10576	.08914	.09417	.05456	.09594	.08269
#1	4.0282	3.9612	3.9118	3.9323	3.9479	4.0291	3.9464
#2	4.0416	3.9682	3.9188	3.9395	3.9519	4.0362	3.9527
#3	4.0349	3.9687	3.9152	3.9376	3.9513	4.0354	3.9510
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000	4.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9545	.51039	3.9829	3.9048	3.9996	3.9531	3.9232
SDev	.0026	.00062	.0025	.0040	.0116	.0081	.0108
%RSD	.06494	.12234	.06265	.10163	.29091	.20377	.27519
#1	3.9569	.50969	3.9856	3.9006	3.9920	3.9556	3.9295
#2	3.9550	.51088	3.9807	3.9084	3.9937	3.9596	3.9107
#3	3.9518	.51059	3.9824	3.9054	4.0130	3.9441	3.9293
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	.50000	4.0000	4.0000	4.0000	4.0000	4.0000
Range	5.0000	5.0000	5.0000	5.0000	125.00	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9389	4.0041	81.152	79.369	81.394	80.597	79.955
SDev	.0110	.0105	.019	.046	.040	.120	.145
%RSD	.27949	.26153	.02339	.05774	.04859	.14876	.18102
#1	3.9379	3.9936	81.163	79.318	81.351	80.466	80.121
#2	3.9284	4.0146	81.163	79.408	81.404	80.625	79.857
#3	3.9503	4.0039	81.130	79.380	81.428	80.701	79.887
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	4.0000	4.0000	80.000	80.000	80.000	80.000	80.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	82.342	3.9823	4.0136	10.024	3.9594	3.9580	3.9055
SDev	.195	.0047	.0019	.004	.0050	.0157	.0094
%RSD	.23716	.11848	.04764	.03555	.12751	.39665	.24065
#1	82.301	3.9769	4.0158	10.025	3.9582	3.9723	3.9078
#2	82.170	3.9855	4.0121	10.020	3.9650	3.9412	3.8951
#3	82.554	3.9845	4.0130	10.027	3.9551	3.9604	3.9135
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	80.000	4.0000	4.0000	10.000	4.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	3.9676	3.9242
SDev	.0201	.0132
%RSD	.50555	.33753
#1	3.9851	3.9140
#2	3.9457	3.9194
#3	3.9721	3.9391
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37638	--	--	--	--	--	--
SDev	110.4002	--	--	--	--	--	--
%RSD	.2933201	--	--	--	--	--	--
#1	37514	--	--	--	--	--	--
#2	37724	--	--	--	--	--	--
#3	37677	--	--	--	--	--	--

Method: EPA3 Sample Name: CRIB Operator:
Run Time: 08/17/04 11:40:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41035	.01178	.00952	.10500	.02182	.05198	.03236
SDev	.00124	.00016	.00023	.00090	.00026	.00082	.00025
%RSD	.30129	1.3437	2.3900	.85620	1.1942	1.5702	.76435
#1	.40898	.01161	.00926	.10397	.02152	.05104	.03208
#2	.41069	.01192	.00970	.10547	.02198	.05235	.03251
#3	.41138	.01180	.00959	.10557	.02196	.05255	.03250
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.01000	.00800	.10000	.02000	.05000	.03000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08290	.01987	.10369	.04375	.01158	.01655	.00501
SDev	.00127	.00053	.00071	.00090	.00094	.00172	.00147
%RSD	1.5303	2.6657	.68278	2.0556	8.1181	10.419	29.302
#1	.08183	.01947	.10306	.04274	.01216	.01458	Q.00396
#2	.08430	.01966	.10357	.04404	.01207	.01730	.00668
#3	.08256	.02047	.10446	.04446	.01049	.01778	.00437
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.08000	.02000	.10000	.04000	.01000	.02000	.00600
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00991	.01191	.40581	5.1131	.20307	5.1200	4.9804
SDev	.00202	.00403	.01050	.0345	.00565	.0181	.0359
%RSD	20.341	33.824	2.5881	.67486	2.7808	.35411	.72003
#1	.00995	.00731	.39406	5.0746	.19874	5.1002	4.9390
#2	.01190	Q.01359	.40908	5.1234	.20102	5.1240	5.0003
#3	.00787	Q.01482	.41428	5.1413	.20946	5.1358	5.0019
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.01000	.40000	5.0000	.20000	5.0000	5.0000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9893	Q.02602	.10923	.41042	.02525	.00362	.00539
SDev	.2451	.00137	.00154	.00573	.00293	.00169	.00192
%RSD	4.9135	5.2746	1.4146	1.3966	11.617	46.692	35.629
#1	4.7198	Q.02745	.10754	.40402	.02194	.00434	.00346
#2	5.0489	.02588	.11057	.41507	Q.02754	.00482	.00730
#3	5.1991	.02472	.10958	.41218	Q.02628	.00169	.00542
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	.02000	.10000	.40000	.02000
Range	30.000	30.000	30.000	30.000	30.000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00231	.01343
SDev	.00516	.00168
%RSD	223.63	12.475
#1	-.00086	.01509
#2	.00826	.01345
#3	-.00048	.01174
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38413	--	--	--	--	--	--
SDev	120.6281	--	--	--	--	--	--
%RSD	.3140266	--	--	--	--	--	--
#1	38551	--	--	--	--	--	--
#2	38362	--	--	--	--	--	--
#3	38327	--	--	--	--	--	--

Method: EPA3 Sample Name: ICV Operator:
Run Time: 08/17/04 11:47:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0132	.99562	.99424	.99333	.97967	.99724	.99701
SDev	.0042	.00591	.00643	.00558	.00592	.00450	.00625
%RSD	.40963	.59323	.64720	.56223	.60441	.45160	.62683
#1	1.0178	1.0024	1.0016	.99975	.98649	1.0024	1.0042
#2	1.0098	.99202	.98977	.99063	.97663	.99436	.99331
#3	1.0120	.99240	.99133	.98960	.97588	.99493	.99349
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
Range	.05000	.05000	.05000	.05000	.05000	.05000	.05000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99424	.49894	.99635	.99580	.99896	1.0027	.98512
SDev	.00657	.00292	.00802	.00640	.00766	.0080	.00992
%RSD	.66047	.58492	.80517	.64314	.76676	.79717	1.0072
#1	1.0018	.50231	1.0056	1.0032	1.0075	1.0100	.99623
#2	.99025	.49725	.99178	.99230	.99260	1.0039	.97714
#3	.99065	.49726	.99166	.99191	.99682	.99416	.98198
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	1.0000	1.0000	1.0000	1.0000	1.0000
Range	.05000	.02500	.05000	.05000	.05000	.05000	.05000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98756	1.0052	5.0902	5.0600	4.9525	5.0844	4.9181
SDev	.01038	.0060	.0250	.0311	.0308	.0306	.0208
%RSD	1.0508	.59794	.49050	.61377	.62109	.60246	.42268
#1	.99954	1.0102	5.1188	5.0958	4.9873	5.1195	4.9403
#2	.98125	1.0068	5.0790	5.0422	4.9291	5.0701	4.9150
#3	.98190	.99850	5.0728	5.0419	4.9411	5.0635	4.8991
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Range	.05000	.05000	.25000	.25000	.25000	.25000	.25000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.8366	1.0038	1.0060	1.0123	1.0143	.99672	.97889
SDev	.0617	.0052	.0043	.0078	.0104	.02208	.00516
%RSD	1.2748	.52114	.42724	.76814	1.0234	2.2149	.52702
#1	4.9078	1.0096	1.0109	1.0206	1.0258	1.0222	.98284
#2	4.8026	.99936	1.0034	1.0051	1.0055	.98438	.97305
#3	4.7994	1.0025	1.0036	1.0112	1.0117	.98358	.98078
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	1.0000	1.0000	1.0000	1.0000
Range	.25000	.05000	.05000	.05000	.05000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.99629	.98289
SDev	.02888	.00271
%RSD	2.8985	.27533
#1	1.0293	.98433
#2	.98360	.97977
#3	.97593	.98457
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38104	--	--	--	--	--	--
SDev	275.8520	--	--	--	--	--	--
%RSD	.7239400	--	--	--	--	--	--
#1	37788	--	--	--	--	--	--
#2	38230	--	--	--	--	--	--
#3	38295	--	--	--	--	--	--

Method: EPA3 Sample Name: ICB Operator:
Run Time: 08/17/04 11:55:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00043	.00034	.00036	-.00018	.00001	-.00087	.00015
SDev	.00023	.00005	.00023	.00013	.00026	.00064	.00009
%RSD	54.713	16.144	65.129	71.275	2646.3	73.948	58.153
#1	.00016	.00029	.00063	-.00026	-.00019	-.00152	.00005
#2	.00055	.00033	.00020	-.00003	-.00008	-.00086	.00020
#3	.00058	.00039	.00025	-.00026	.00030	-.00023	.00020
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00054	-.00024	-.00041	.00045	-.00148	-.00090	-.00148
SDev	.00162	.00028	.00066	.00017	.00501	.00149	.00085
%RSD	301.25	118.55	160.34	38.263	339.55	164.45	57.598
#1	-.00241	-.00042	-.00115	.00050	.00388	-.00015	-.00158
#2	.00044	-.00037	-.00020	.00059	Q-.00605	-.00262	-.00058
#3	.00035	.00009	.00012	.00026	-.00226	.00005	-.00227
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00223	.00131	-.01420	-.04488	.01563	-.00726	-.31698
SDev	.00126	.00152	.00528	.00152	.00830	.00233	.03469
%RSD	56.521	115.90	37.163	3.3914	53.140	32.097	10.945
#1	.00344	.00042	-.01994	-.04664	.01838	-.00992	-.35683
#2	.00092	.00307	-.01313	-.04406	.00629	-.00625	-.29348
#3	.00233	.00045	-.00954	-.04395	.02220	-.00560	-.30063
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.18940	.00157	-.00060	-.01081	.00103	-.00686	.00075
SDev	.09710	.00024	.00090	.00815	.00187	.00206	.00036
%RSD	51.266	15.204	149.55	75.413	182.62	29.952	48.369
#1	-.19540	.00149	-.00144	-.01413	.00132	-.00656	.00044
#2	-.28336	.00184	.00036	-.01677	.00273	-.00498	.00115
#3	-.08944	.00139	-.00074	-.00152	-.00098	-.00905	.00064
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.00810	.02310	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00764	.00685
SDev	.00175	.00177
%RSD	22.916	25.811
#1	-.00806	.00888
#2	-.00914	.00564
#3	-.00571	.00603

Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38431	--	--	--	--	--	--
SDev	591.5176	--	--	--	--	--	--
%RSD	1.539181	--	--	--	--	--	--
#1	39110	--	--	--	--	--	--
#2	38033	--	--	--	--	--	--
#3	38149	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 12:03:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0037	2.0001	1.9624	1.9662	1.9789	1.9913	1.9815
SDev	.0118	.0079	.0138	.0062	.0071	.0134	.0059
%RSD	.58690	.39379	.70253	.31602	.35735	.67518	.29990
#1	1.9990	2.0079	1.9731	1.9727	1.9861	1.9851	1.9880
#2	1.9951	2.0001	1.9673	1.9657	1.9786	1.9822	1.9800
#3	2.0171	1.9922	1.9468	1.9603	1.9720	2.0068	1.9764
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9789	.25164	1.9980	1.9639	1.9873	1.9851	1.9563
SDev	.0098	.00048	.0009	.0147	.0097	.0193	.0106
%RSD	.49362	.19133	.04695	.74662	.48601	.97373	.54098
#1	1.9891	.25171	1.9988	1.9773	1.9976	2.0063	1.9685
#2	1.9780	.25113	1.9981	1.9661	1.9785	1.9685	1.9498
#3	1.9696	.25209	1.9969	1.9482	1.9857	1.9806	1.9506
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9689	1.9727	39.773	39.467	40.242	40.071	40.002
SDev	.0081	.0037	.183	.221	.149	.065	.231
%RSD	.41239	.18846	.46003	.56022	.37072	.16166	.57678
#1	1.9708	1.9692	39.689	39.670	40.370	40.145	39.881
#2	1.9600	1.9766	39.648	39.500	40.277	40.029	39.856
#3	1.9759	1.9722	39.983	39.232	40.078	40.037	40.268
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.092	1.9850	1.9701	4.9604	1.9822	1.9762	1.9459
SDev	.213	.0030	.0070	.0157	.0072	.0037	.0144
%RSD	.53137	.14946	.35421	.31701	.36539	.18823	.74151
#1	39.933	1.9825	1.9671	4.9554	1.9857	1.9799	1.9625
#2	40.009	1.9842	1.9652	4.9477	1.9870	1.9763	1.9360
#3	40.334	1.9883	1.9781	4.9780	1.9739	1.9724	1.9393
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9821	1.9620
SDev	.0064	.0108
%RSD	.32050	.54828
#1	1.9769	1.9674
#2	1.9801	1.9496
#3	1.9892	1.9690
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38030	--	--	--	--	--	--
SDev	267.6261	--	--	--	--	--	--
%RSD	.7037311	--	--	--	--	--	--
#1	38074	--	--	--	--	--	--
#2	38272	--	--	--	--	--	--
#3	37742	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 12:10:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00090	Q.00058	.00076	.00031	.00033	-.00001	.00046
SDev	.00016	.00012	.00024	.00060	.00048	.00023	.00015
%RSD	18.181	20.749	31.803	193.02	144.69	2006.6	32.511
#1	.00077	.00046	.00064	-.00015	-.00005	-.00021	.00030
#2	.00085	Q.00057	.00060	.00009	.00017	.00025	.00050
#3	.00108	Q.00070	Q.00104	.00099	.00088	-.00007	.00059
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00235	-.00006	-.00087	Q.00458	.00244	-.00348	-.00002
SDev	.00114	.00050	.00163	.00034	.00056	.00772	.00107
%RSD	48.663	887.02	186.98	7.4664	22.836	221.86	6251.1
#1	.00135	-.00033	-.00273	Q.00425	.00209	-.00879	.00099
#2	.00211	-.00036	-.00019	Q.00456	.00309	-.00702	.00010
#3	.00360	.00052	.00030	Q.00494	.00215	.00538	-.00114
Errors	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00169	Q.00510	-.00013	.01406	.02192	.00333	-.31076
SDev	.00205	.00146	.00522	.00245	.01257	.00590	.01820
%RSD	121.23	28.631	4143.2	17.409	57.362	177.29	5.8563
#1	.00044	.00473	-.00532	.01137	.01847	-.00284	-.33175
#2	.00406	.00386	-.00017	.01465	.01143	.00390	-.29948
#3	.00058	Q.00671	.00512	.01616	.03585	.00893	-.30104
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.10077	.00146	.00058	-.01135	-.00027	-.00897	.00398
SDev	.06538	.00132	.00067	.00576	.00470	.00608	.00430
%RSD	64.880	90.794	115.38	50.780	1727.9	67.828	108.05
#1	-.02857	.00042	-.00019	-.01684	-.00512	-.01585	.00893
#2	-.15598	.00295	.00090	-.01185	.00425	-.00432	.00183
#3	-.11775	.00101	.00102	-.00535	.00005	-.00673	.00118
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00988	.00716
SDev	.00900	.00397
%RSD	91.073	55.426
#1	-.02027	.01048
#2	-.00494	.00824
#3	-.00444	.00277
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37730	--	--	--	--	--	--
SDev	326.7826	--	--	--	--	--	--
%RSD	.8661049	--	--	--	--	--	--
#1	38105	--	--	--	--	--	--
#2	37504	--	--	--	--	--	--
#3	37582	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSA Operator:
Run Time: 08/17/04 12:18:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00416	.00042	.00060	.00227	-.00062	.00049	-.00044
SDev	.00003	.00003	.00006	.00059	.00061	.00040	.00013
%RSD	.69212	6.3214	10.607	25.766	97.888	80.382	28.578
#1	.00413	.00044	.00058	.00178	-.00004	.00055	-.00039
#2	.00418	.00043	.00068	.00292	-.00125	.00007	-.00059
#3	.00416	.00039	.00055	.00212	-.00056	.00086	-.00035
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00067	.00014	.00345	.00101	.00010	.00841	-.00126
SDev	.00046	.00014	.00159	.00021	.00272	.00190	.00250
%RSD	68.521	97.259	46.118	20.435	2601.5	22.542	198.22
#1	.00087	.00008	.00346	.00078	.00083	.00803	.00137
#2	.00100	.00030	.00185	.00118	-.00291	.00673	-.00155
#3	.00014	.00004	.00503	.00107	.00239	Q.01047	Q-.00360
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00178	.00280	523.29	527.45	198.76	510.70	-.18485
SDev	.00189	.00139	.52	1.26	.27	.66	.00982
%RSD	106.24	49.813	.09876	.23841	.13401	.12867	5.3115
#1	.00361	.00179	522.70	527.59	198.91	510.59	-.18186
#2	-.00017	.00439	523.64	526.13	198.45	510.10	-.19582
#3	.00190	.00221	523.54	528.63	198.91	511.40	-.17687
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.13798	.00233	-.00141	.01777	.00736	-.00718	.00129
SDev	.06790	.00146	.00026	.00772	.00429	.00426	.00241
%RSD	49.205	62.525	18.738	43.472	58.309	59.402	186.81
#1	-.19274	.00391	-.00171	.02665	Q.01075	-.00237	.00284
#2	-.15920	.00206	-.00125	.01263	.00254	-.01051	.00252
#3	-.06201	.00103	-.00126	.01402	.00880	-.00865	-.00148
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	5.0000	.00500	.05000	.20000	.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01839	.01154
SDev	.00289	.00149
%RSD	15.707	12.914
#1	-.01522	.01270
#2	-.02087	.00986
#3	-.01907	.01206
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36846	--	--	--	--	--	--
SDev	72.63648	--	--	--	--	--	--
%RSD	.1971375	--	--	--	--	--	--
#1	36822	--	--	--	--	--	--
#2	36927	--	--	--	--	--	--
#3	36788	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSAB Operator:
Run Time: 08/17/04 12:30:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50934	.45717	.93464	.48163	.46689	.50532	.47454
SDev	.00211	.00224	.00464	.00281	.00279	.00195	.00221
%RSD	.41395	.48933	.49636	.58248	.59852	.38603	.46565
#1	.51139	.45916	.93791	.48432	.46925	.50733	.47660
#2	.50945	.45758	.93668	.48185	.46762	.50519	.47483
#3	.50717	.45475	.92933	.47872	.46380	.50343	.47221
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96329	1.0168	.49171	.91487	1.0508	.94095	.96602
SDev	.00685	.0038	.00063	.00523	.0058	.00238	.01565
%RSD	.71084	.37423	.12847	.57123	.54746	.25351	1.6203
#1	.97002	1.0202	.49126	.91989	1.0481	.93820	.97907
#2	.96353	1.0175	.49143	.91526	1.0573	.94239	.97031
#3	.95633	1.0127	.49243	.90946	1.0468	.94226	.94866
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0026	1.0010	530.41	526.08	200.64	514.23	-.20360
SDev	.0187	.0035	1.72	2.97	.96	2.07	.01426
%RSD	1.8676	.34649	.32474	.56376	.47657	.40227	7.0048
#1	1.0210	.99825	531.96	528.40	201.47	515.93	-.19647
#2	1.0032	.99995	530.72	527.10	200.87	514.83	-.19431
#3	.98361	1.0049	528.56	522.74	199.60	511.92	-.22002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.03745	.49420	.52554	.03378	.00110	.96522	.96592
SDev	.00825	.00366	.00161	.00063	.00439	.00401	.02148
%RSD	22.043	.73968	.30620	1.8552	398.69	.41555	2.2238
#1	-.03376	.49116	.52656	.03422	.00388	.96884	.98369
#2	-.04690	.49320	.52637	.03406	-.00396	.96591	.97202
#3	-.03168	.49826	.52369	.03306	.00338	.96090	.94205
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value		.50000	.50000
Range		.10000	.10000
Elem	1960/1	1960/2	
Units	ppm	ppm	
Avge	.98903	1.0091	
SDev	.00881	.0270	
%RSD	.89098	2.6791	
#1	.99680	1.0328	
#2	.97945	1.0148	
#3	.99083	.97967	
Errors	NOCHECK	NOCHECK	
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36181	--	--	--	--	--	--
SDev	184.3418	--	--	--	--	--	--
%RSD	.5095055	--	--	--	--	--	--
#1	36049	--	--	--	--	--	--
#2	36102	--	--	--	--	--	--
#3	36391	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 12:38:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0280	1.9917	1.9507	1.9579	1.9756	2.0086	1.9807
SDev	.0038	.0065	.0067	.0041	.0077	.0057	.0058
%RSD	.18618	.32804	.34296	.20882	.39034	.28141	.29128
#1	2.0268	1.9933	1.9447	1.9574	1.9739	2.0080	1.9813
#2	2.0249	1.9846	1.9494	1.9541	1.9690	2.0033	1.9746
#3	2.0322	1.9974	1.9579	1.9622	1.9841	2.0145	1.9861
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9694	.25295	2.0065	1.9437	1.9881	1.9882	1.9469
SDev	.0056	.00116	.0091	.0051	.0105	.0038	.0080
%RSD	.28505	.46002	.45509	.26362	.52592	.18950	.41019
#1	1.9678	.25310	2.0107	1.9418	1.9953	1.9870	1.9468
#2	1.9647	.25172	1.9961	1.9398	1.9761	1.9851	1.9389
#3	1.9756	.25403	2.0129	1.9495	1.9930	1.9924	1.9549
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9677	1.9825	40.210	39.313	40.271	40.288	40.436
SDev	.0092	.0060	.131	.065	.158	.108	.100
%RSD	.46696	.30094	.32492	.16615	.39114	.26778	.24748
#1	1.9674	1.9783	40.068	39.261	40.201	40.204	40.321
#2	1.9587	1.9799	40.236	39.292	40.160	40.251	40.487
#3	1.9771	1.9894	40.326	39.386	40.451	40.410	40.500
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.642	1.9888	1.9837	4.9833	1.9813	1.9718	1.9340
SDev	.107	.0083	.0075	.0164	.0106	.0096	.0082
%RSD	.26400	.41636	.37838	.32932	.53525	.48452	.42325
#1	40.697	1.9866	1.9815	4.9831	1.9791	1.9773	1.9312
#2	40.518	1.9818	1.9776	4.9670	1.9720	1.9608	1.9275
#3	40.710	1.9979	1.9921	4.9998	1.9928	1.9774	1.9432
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9878	1.9574
SDev	.0137	.0080
%RSD	.68845	.41091
#1	1.9938	1.9539
#2	1.9721	1.9517
#3	1.9974	1.9666
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37337	--	--	--	--	--	--
SDev	138.3564	--	--	--	--	--	--
%RSD	.3705578	--	--	--	--	--	--
#1	37218	--	--	--	--	--	--
#2	37489	--	--	--	--	--	--
#3	37306	--	--	--	--	--	--

Method: EPA3 | Sample Name: CCB | Operator:
Run Time: 08/17/04 12:46:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00042	.00042	.00066	.00081	.00106	-.00036	.00030
SDev	.00011	.00003	.00009	.00060	.00051	.00024	.00007
%RSD	25.467	7.4576	12.920	74.880	48.157	66.833	22.986
#1	.00052	.00045	.00057	.00150	.00129	-.00008	.00038
#2	.00031	.00040	.00068	.00041	.00142	-.00048	.00029
#3	.00044	.00039	.00074	.00051	.00048	-.00052	.00024
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00037	-.00004	-.00046	.00072	.00264	-.00351	.00039
SDev	.00135	.00036	.00051	.00041	.00425	.00667	.00056
%RSD	364.20	929.92	109.54	56.646	160.77	190.04	144.12
#1	.00113	.00035	-.00068	.00111	Q.00744	Q-.01074	-.00007
#2	-.00149	-.00012	.00012	.00075	.00117	-.00219	.00100
#3	-.00076	-.00035	-.00083	.00030	-.00067	.00240	.00022
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00158	.00150	.02147	-.01500	.02269	.03146	-.31867
SDev	.00055	.00397	.00319	.00439	.00657	.00600	.01263
%RSD	34.999	265.38	14.862	29.260	28.954	19.078	3.9637
#1	.00181	Q.00608	.02258	-.01685	.01830	.03626	-.30648
#2	.00095	-.00055	.01787	-.01816	.01953	.02473	-.31783
#3	.00199	-.00103	.02395	-.00999	.03024	.03339	-.33170
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.10420	.00172	.00040	-.01624	.00122	-.00141	.00082
SDev	.11838	.00088	.00179	.00292	.00065	.00084	.00123
%RSD	113.61	50.934	443.91	17.998	53.125	59.391	151.28
#1	.02365	.00250	.00221	-.01961	.00108	-.00053	-.00031
#2	-.12624	.00190	.00036	-.01445	.00066	-.00219	.00213
#3	-.21001	.00077	-.00136	-.01466	.00193	-.00151	.00062
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00528	.00470
SDev	.00292	.00145
%RSD	55.389	30.853
#1	-.00191	.00336
#2	-.00679	.00451
#3	-.00714	.00624
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38433	--	--	--	--	--	--
SDev	187.9584	--	--	--	--	--	--
%RSD	.4890540	--	--	--	--	--	--
#1	38508	--	--	--	--	--	--
#2	38219	--	--	--	--	--	--
#3	38572	--	--	--	--	--	--

Method: EPA3 Sample Name: ACID1L8-17CONF Operator:
Run Time: 08/17/04 12:56:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00389	.00032	.00046	.00011	.00016	-.00137	.00026
SDev	.00018	.00009	.00012	.00016	.00021	.00029	.00012
%RSD	4.5853	27.428	26.099	144.35	128.70	21.051	44.881
#1	.00388	.00039	.00053	.00014	-.00006	-.00166	.00024
#2	.00407	.00035	.00032	.00026	.00019	-.00108	.00039
#3	.00372	.00022	.00053	-.00006	.00035	-.00136	.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00118	.00024	-.00024	.00595	.00182	-.00462	-.00059
SDev	.00079	.00032	.00079	.00017	.00116	.00285	.00141
%RSD	66.782	137.72	324.29	2.9164	63.886	61.767	239.78
#1	.00182	-.00004	-.00070	.00612	.00290	-.00669	.00099
#2	.00142	.00016	.00067	.00595	.00059	-.00136	-.00172
#3	.00030	.00059	-.00070	.00577	.00196	-.00581	-.00104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00211	-.00163	.05281	2.7480	.03354	.27743	-.36660
SDev	.00272	.00103	.01475	.0520	.00260	.01884	.02165
%RSD	129.10	63.274	27.934	1.8924	7.7589	6.7913	5.9046
#1	.00117	-.00277	.05851	2.7374	.03342	.28905	-.38199
#2	-.00002	-.00078	.06385	2.8045	.03620	.28755	-.34185
#3	H.00517	-.00133	.03605	2.7021	.03100	.25569	-.37595
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.51480	.00064	.00055	H1.0528	.00356	-.00183	-.00041
SDev	.07042	.00033	.00068	.0179	.00248	.00150	.00159
%RSD	13.680	51.554	123.29	1.7004	69.611	82.177	385.73
#1	-.48797	.00102	-.00020	H1.0406	.00592	-.00075	.00142
#2	-.59469	.00042	.00113	H1.0734	.00098	-.00354	-.00126
#3	-.46173	.00048	.00072	H1.0444	.00379	-.00119	-.00140
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00273	.00423
SDev	.00379	.00271
%RSD	138.90	64.200
#1	-.00612	.00452
#2	-.00342	.00138
#3	.00136	.00678
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	40580	--	--	--	--	--	--
SDev	557.8618	--	--	--	--	--	--
%RSD	1.374712	--	--	--	--	--	--
#1	41070	--	--	--	--	--	--
#2	39973	--	--	--	--	--	--
#3	40698	--	--	--	--	--	--

Method: EPA3 Sample Name: ACID.5L8-17CONF Operator:
Run Time: 08/17/04 13:03:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00402	.00012	.00017	-.00062	-.00043	-.00114	.00011
SDev	.00005	.00001	.00008	.00023	.00024	.00023	.00010
%RSD	1.1512	11.157	49.108	36.174	57.206	20.399	83.983
#1	.00404	.00010	.00022	-.00037	-.00057	-.00096	.00019
#2	.00406	.00013	.00007	-.00070	-.00014	-.00105	.00014
#3	.00397	.00012	.00020	-.00080	-.00057	-.00140	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00081	-.00028	-.00058	.00291	-.00088	-.00145	.00004
SDev	.00165	.00043	.00009	.00013	.00151	.00435	.00081
%RSD	203.45	154.72	15.330	4.6058	170.64	299.29	2259.2
#1	.00023	-.00001	-.00069	.00296	-.00174	-.00090	-.00087
#2	.00267	-.00005	-.00053	.00276	.00086	.00259	.00069
#3	-.00047	-.00078	-.00054	.00301	-.00177	-.00605	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	-.00124	.01623	2.9980	.01012	.25103	-.27993
SDev	.00018	.00322	.01156	.0086	.00579	.00834	.01183
%RSD	69.618	260.23	71.251	.28781	57.177	3.3242	4.2277
#1	-.00024	-.00114	.00462	2.9899	.01053	.24647	-.27341
#2	-.00045	.00194	.02774	3.0071	.01569	.26066	-.27279
#3	-.00009	-.00451	.01633	2.9970	.00414	.24595	-.29359
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.51331	.00033	-.00141	H1.1928	.00288	-.00210	.00064
SDev	.14637	.00074	.00161	.0013	.00211	.00307	.00170
%RSD	28.514	222.07	113.92	.10754	73.371	146.37	265.85
#1	-.45674	-.00050	-.00038	H1.1942	.00496	-.00381	.00013
#2	-.40367	.00058	-.00059	H1.1923	.00294	-.00393	.00254
#3	-.67951	.00092	-.00327	H1.1918	.00074	.00145	-.00[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00431	.00146
SDev	.00399	.00181
%RSD	92.508	124.15
#1	-.00732	.00298
#2	-.00584	.00194
#3	.00021	-.00054
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38915	--	--	--	--	--	--
SDev	86.96312	--	--	--	--	--	--
%RSD	.2234713	--	--	--	--	--	--
#1	38921	--	--	--	--	--	--
#2	38825	--	--	--	--	--	--
#3	38998	--	--	--	--	--	--

Method: EPA3 Sample Name: N74629-1Q Operator:
Run Time: 08/17/04 13:11:12
Comment: 2
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01270	.00058	.00022	.00160	.00035	-.00002	.00167
SDev	.00029	.00002	.00053	.00065	.00130	.00107	.00013
%RSD	2.2678	3.5537	234.41	40.559	371.25	4914.6	7.7931
#1	.01291	.00059	.00065	.00232	.00185	.00121	.00179
#2	.01237	.00056	-.00036	.00107	-.00052	-.00056	.00154
#3	.01283	.00059	.00039	.00141	-.00028	-.00072	.00168
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00636	.00049	-.00061	.00155	-.00055	-.00254	-.00240
SDev	.00092	.00137	.00033	.00043	.00432	.00399	.00011
%RSD	14.511	280.11	53.737	27.740	782.54	157.43	4.6240
#1	.00712	.00201	-.00050	.00110	-.00369	-.00573	-.00232
#2	.00533	-.00068	-.00098	.00162	-.00234	-.00382	-.00235
#3	.00663	.00015	-.00035	.00195	.00438	.00194	-.00253
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00197	.00044	.02531	.30432	.04618	.03951	-.26644
SDev	.00364	.00249	.00317	.00813	.01231	.00625	.01905
%RSD	185.03	571.53	12.540	2.6719	26.663	15.810	7.1499
#1	-.00223	.00133	.02706	.29673	.04818	.04655	-.28781
#2	.00390	-.00238	.02165	.30333	.05737	.03732	-.26025
#3	.00423	.00235	.02723	.31290	.03299	.03465	-.25124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.41018	-.00019	.00192	H.34653	.00509	-.00629	-.00093
SDev	.09255	.00081	.00527	.00414	.00122	.00368	.00170
%RSD	22.565	417.45	274.49	1.1946	23.915	58.610	183.55
#1	-.32019	.00061	.00799	H.35044	.00484	-.00243	-.00275
#2	-.40524	-.00019	-.00149	H.34219	.00642	-.00666	-.00066
#3	-.50510	-.00100	-.00073	H.34696	.00402	-.00977	.00082
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00330	.00429
SDev	.00208	.00446
%RSD	62.908	104.11
#1	-.00565	-.00084
#2	-.00170	.00639
#3	-.00256	.00731
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38057	--	--	--	--	--	--
SDev	263.5512	--	--	--	--	--	--
%RSD	.6925111	--	--	--	--	--	--
#1	37758	--	--	--	--	--	--
#2	38253	--	--	--	--	--	--
#3	38162	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26742-MB1CONF Operator:
Run Time: 08/17/04 13:18:48
Comment: 1
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00199	-.00003	.00048	-.00029	.00016	-.00078	.00002
SDev	.00015	.00004	.00012	.00006	.00018	.00029	.00008
%RSD	7.4113	144.45	24.765	21.667	111.31	37.480	543.32
#1	.00183	.00002	.00055	-.00026	-.00004	-.00047	.00011
#2	.00205	-.00005	.00034	-.00037	.00022	-.00106	-.00003
#3	.00211	-.00004	.00054	-.00026	.00031	-.00081	-.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00055	-.00055	-.00042	.00056	-.00308	-.00285	.00114
SDev	.00150	.00034	.00032	.00041	.00285	.00470	.00157
%RSD	273.70	61.900	75.090	72.363	92.408	164.81	138.02
#1	.00187	-.00093	-.00052	.00103	-.00114	-.00823	.00282
#2	.00085	-.00048	-.00068	.00037	-.00175	-.00083	.00087
#3	-.00108	-.00026	-.00007	.00029	L-.00635	.00050	-.00028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00112	.00237	-.00222	-.02745	.00820	-.00792	-.36295
SDev	.00127	.00119	.00172	.00030	.00360	.00169	.02154
%RSD	113.27	50.266	77.616	1.0747	43.893	21.349	5.9342
#1	.00201	.00109	-.00166	-.02778	.01025	-.00692	-.34838
#2	.00169	.00258	-.00085	-.02723	.01032	-.00697	-.35278
#3	-.00033	.00344	-.00416	-.02732	.00405	-.00987	-.38769
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30392	.00093	-.00084	-.00976	-.00219	-.00160	.00204
SDev	.09107	.00088	.00013	.01166	.00165	.00276	.00113
%RSD	29.965	94.738	15.865	119.55	75.606	172.22	55.274
#1	.29254	.00084	-.00096	.00371	-.00358	.00085	.00334
#2	.40014	.00010	-.00084	-.01678	-.00261	-.00106	.00136
#3	.21907	.00184	-.00070	-.01620	-.00036	-.00460	.00142
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01034	.00654
SDev	.00258	.00091
%RSD	24.905	13.886
#1	-.00772	.00656
#2	-.01044	.00744
#3	-.01287	.00562
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38330	--	--	--	--	--	--
SDev	490.0783	--	--	--	--	--	--
%RSD	1.278590	--	--	--	--	--	--
#1	37951	--	--	--	--	--	--
#2	38154	--	--	--	--	--	--
#3	38883	--	--	--	--	--	--

Method: EPA3 Sample Name: N73620-3 Operator:
Run Time: 08/17/04 13:26:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11756	.00051	-.00002	.00947	.01388	.06419	1.0322
SDev	.00004	.00001	.00017	.00104	.00030	.00037	.0006
%RSD	.03444	1.3470	670.89	10.955	2.1232	.57144	.05481
#1	.11761	.00051	-.00022	.00862	.01357	.06455	1.0329
#2	.11754	.00052	.00007	.01063	.01416	.06382	1.0320
#3	.11754	.00051	.00007	.00917	.01390	.06418	1.0318
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01978	-.00045	.02488	.05398	.00345	-.00226	.00828
SDev	.00018	.00003	.00035	.00014	.00395	.00615	.00126
%RSD	.90441	7.2303	1.4241	.26403	114.32	271.75	15.201
#1	.01993	-.00048	.02478	.05414	.00220	-.00447	.00697
#2	.01958	-.00046	.02528	.05388	.00787	-.00701	.00948
#3	.01983	-.00042	.02459	.05391	.00028	.00469	.00839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00184	-.00031	9.4422	91.134	15.356	22.157	4.0668
SDev	.00304	.00210	.0033	.098	.032	.024	.0176
%RSD	165.47	687.88	.03474	.10767	.20849	.10976	.43354
#1	-.00107	-.00140	9.4444	91.242	15.350	22.161	4.0832
#2	.00159	-.00163	9.4437	91.052	15.391	22.179	4.0482
#3	.00499	.00211	9.4384	91.107	15.327	22.131	4.0691
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.098	.00136	-.00294	23.760	.00397	.00782	.00819
SDev	.043	.00037	.00044	.015	.00223	.00314	.00078
%RSD	.28325	26.906	14.980	.06280	56.017	40.220	9.5625
#1	15.094	.00159	-.00250	23.776	.00256	.00419	.00804
#2	15.143	.00156	-.00338	23.757	.00654	.00973	.00904
#3	15.058	.00094	-.00293	23.747	.00282	.00954	.00[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1544

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00780	.00637
SDev	.00314	.00310
%RSD	40.280	48.687
#1	-.01003	.00313
#2	-.00917	.00665
#3	-.00421	.00931
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38032	--	--	--	--	--	--
SDev	28.74512	--	--	--	--	--	--
%RSD	.0755814	--	--	--	--	--	--
#1	38020	--	--	--	--	--	--
#2	38011	--	--	--	--	--	--
#3	38065	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26669-MB2 Operator:
Run Time: 08/17/04 13:34:01
Comment: 2
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00137	-.00003	-.00022	-.00007	-.00014	-.00138	.00024
SDev	.00023	.00003	.00012	.00039	.00033	.00015	.00006
%RSD	17.061	87.729	52.354	533.82	238.60	10.901	26.883
#1	.00119	-.00000	-.00027	.00029	-.00021	-.00155	.00019
#2	.00129	-.00003	-.00031	-.00048	.00022	-.00125	.00031
#3	.00164	-.00006	-.00009	-.00003	-.00042	-.00135	.00021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00047	-.00038	-.00072	.00047	-.00362	-.00644	-.00026
SDev	.00081	.00010	.00034	.00003	.00391	.00060	.00137
%RSD	172.96	27.630	46.461	7.2958	107.95	9.3434	528.08
#1	.00028	-.00050	-.00084	.00046	L-.00703	-.00713	-.00168
#2	-.00036	-.00032	-.00099	.00051	.00064	-.00612	-.00016
#3	-.00133	-.00032	-.00034	.00044	-.00447	-.00606	.00106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00456	.00304	-.00003	-.01267	.01737	-.00728	-.33532
SDev	.00088	.00284	.00329	.00104	.00198	.00425	.03900
%RSD	19.228	93.453	10602.	8.2174	11.391	58.364	11.632
#1	.00382	H.00523	-.00291	-.01290	.01569	-.01049	-.37940
#2	H.00553	.00408	.00355	-.01153	.01687	-.00246	-.30529
#3	.00433	-.00017	-.00074	-.01358	.01955	-.00888	-.32127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09126	.00033	-.00071	.00435	.00225	-.00388	.00107
SDev	.07051	.00112	.00077	.00130	.00158	.00278	.00161
%RSD	77.261	338.44	109.21	29.769	70.421	71.691	150.16
#1	.01408	-.00006	-.00158	.00286	.00355	-.00453	-.00072
#2	.10739	-.00054	-.00011	.00521	.00270	-.00627	.00241
#3	.15231	.00160	-.00043	.00499	.00049	-.00083	.00112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00926	.01116
SDev	.00150	.00206
%RSD	16.234	18.436
#1	-.00783	.00934
#2	-.01083	.01339
#3	-.00912	.01074
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37763	--	--	--	--	--	--
SDev	746.9059	--	--	--	--	--	--
%RSD	1.977895	--	--	--	--	--	--
#1	38606	--	--	--	--	--	--
#2	37183	--	--	--	--	--	--
#3	37499	--	--	--	--	--	--

Method: EPA3 Sample Name: N75278-1 Operator:
Run Time: 08/17/04 13:41:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00963	-.00000	.00007	.00016	.02681	.01183	.02685
SDev	.00035	.00003	.00015	.00023	.00088	.00051	.00080
%RSD	3.6704	841.05	210.50	147.10	3.2646	4.3180	2.9837
#1	.00938	-.00003	-.00009	.00033	.02613	.01138	.02638
#2	.01004	.00003	.00020	.00025	.02779	.01239	.02778
#3	.00948	-.00001	.00010	-.00011	.02650	.01171	.02640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02221	.00013	-.00050	.10699	.00636	L-.01141	.00249
SDev	.00017	.00021	.00034	.00398	.00232	.00755	.00085
%RSD	.78357	160.51	67.942	3.7207	36.466	66.194	34.070
#1	.02201	.00038	-.00024	.10527	.00811	-.00646	.00151
#2	.02232	-.00001	-.00037	.11155	.00373	L-.02010	.00294
#3	.02230	.00003	-.00088	.10417	.00722	-.00767	.00302
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01103	-.00184	.06295	.93508	2.3381	.05872	4.9167
SDev	.00274	.00233	.01042	.03378	.0736	.00449	.1684
%RSD	24.873	126.33	16.549	3.6124	3.1483	7.6547	3.4246
#1	.01096	-.00444	.05503	.91698	2.3241	.05628	4.8329
#2	.00832	.00007	.07475	.97405	2.4177	.06390	5.1105
#3	.01380	-.00116	.05906	.91420	2.2725	.05596	4.8066
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.2913	.00296	.05979	.16936	.08551	-.00019	.00341
SDev	.2687	.00127	.00127	.01124	.00516	.00207	.00073
%RSD	3.2403	42.930	2.1263	6.6370	6.0299	1090.8	21.299
#1	8.1403	.00441	.05887	.16476	.08045	-.00233	.00297
#2	8.6015	.00240	.06124	.18218	.09076	.00181	.00308
#3	8.1321	.00206	.05926	.16116	.08532	-.00005	.00425
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00391	.01429
SDev	.00351	.00275
%RSD	89.660	19.248
#1	.00581	.01323
#2	-.00014	.01223
#3	.00606	.01741
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38424	--	--	--	--	--	--
SDev	1019.209	--	--	--	--	--	--
%RSD	2.652532	--	--	--	--	--	--
#1	38926	--	--	--	--	--	--
#2	37251	--	--	--	--	--	--
#3	39095	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26772-MB1CONF Operator:
Run Time: 08/17/04 13:49:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01530	-.00001	-.00004	-.00077	.00037	-.00013	.00272
SDev	.00005	.00003	.00034	.00060	.00058	.00055	.00010
%RSD	.30458	255.58	774.11	78.374	154.63	410.89	3.5423
#1	.01525	-.00001	-.00004	-.00048	.00069	.00023	.00278
#2	.01531	-.00004	-.00038	-.00146	-.00029	-.00076	.00261
#3	.01534	.00001	.00029	-.00037	.00072	.00013	.00276
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00781	-.00088	-.00040	.00889	.00644	-.00497	.00038
SDev	.00172	.00068	.00075	.00049	.00371	.00195	.00208
%RSD	22.057	77.181	184.85	5.5598	57.577	39.138	548.64
#1	.00853	-.00059	.00044	.00914	.00836	-.00672	.00223
#2	.00584	-.00166	-.00067	.00832	.00217	-.00287	.00078
#3	.00906	-.00040	-.00098	.00920	.00879	-.00533	-.00187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00871	-.00193	.07912	10.132	.04175	3.8814	.65904
SDev	.00159	.00698	.00375	.047	.00141	.0140	.01313
%RSD	18.255	362.46	4.7401	.46485	3.3711	.36016	1.9919
#1	.00719	.00001	.08333	10.133	.04101	3.8844	.67354
#2	.00858	L-.00968	.07614	10.084	.04087	3.8662	.64795
#3	.01037	.00388	.07788	10.178	.04337	3.8937	.65564
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H983.45	.00208	-.00263	1.2257	.00751	-.00048	.00034
SDev	.85	.00011	.00235	.0061	.00281	.00620	.00045
%RSD	.08627	5.2852	89.618	.49542	37.339	1281.8	130.88
#1	H983.30	.00203	-.00194	1.2289	.00746	.00432	.00071
#2	H982.69	.00220	-.00525	1.2187	.00474	.00171	-.00[illegible]
#3	H984.36	.00200	-.00069	1.2295	.01035	-.00748	.00048
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00307	.01429
SDev	.00221	.00323
%RSD	71.924	22.567
#1	-.00275	.01185
#2	-.00104	.01308
#3	-.00542	.01795
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38605	--	--	--	--	--	--
SDev	411.9871	--	--	--	--	--	--
%RSD	1.067177	--	--	--	--	--	--
#1	38172	--	--	--	--	--	--
#2	38652	--	--	--	--	--	--
#3	38992	--	--	--	--	--	--

Method: EPA3 Sample Name: N74968-1A Operator:
Run Time: 08/17/04 13:56:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23085	.00008	.00164	.00070	.00221	.00824	.09251
SDev	.00064	.00003	.00011	.00023	.00008	.00042	.00053
%RSD	.27647	32.898	6.9780	33.180	3.5256	5.0587	.57202
#1	.23013	.00007	.00177	.00052	.00230	.00869	.09194
#2	.23135	.00006	.00156	.00062	.00218	.00787	.09259
#3	.23107	.00011	.00158	.00096	.00215	.00816	.09299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00527	-.00062	.00312	.11140	.00470	.00123	.03063
SDev	.00015	.00038	.00064	.00056	.00427	.00463	.00173
%RSD	2.8147	60.546	20.459	.50215	90.865	376.33	5.6573
#1	.00544	-.00066	.00250	.11078	.00177	.00097	.03249
#2	.00515	-.00098	.00310	.11186	.00273	.00599	.02906
#3	.00522	-.00023	.00377	.11157	.00960	-.00326	.03035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00585	-.00290	1.7231	36.740	1.6097	7.6016	9.4866
SDev	.00309	.00113	.0050	.147	.0160	.0338	.0452
%RSD	52.811	39.002	.28849	.39912	.99633	.44440	.47611
#1	.00552	-.00391	1.7187	36.573	1.5967	7.5629	9.4419
#2	.00294	-.00310	1.7285	36.799	1.6047	7.6165	9.5323
#3	.00910	-.00168	1.7221	36.847	1.6276	7.6254	9.4857
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H951.20	.00069	-.00258	3.6800	.00981	.02781	.03159
SDev	2.70	.00023	.00108	.0107	.00161	.00550	.00022
%RSD	.28349	33.820	42.052	.29016	16.383	19.788	.70594
#1	H948.25	.00094	-.00193	3.6677	.01086	.03384	.03136
#2	H953.53	.00047	-.00383	3.6859	.01060	.02306	.03160
#3	H951.82	.00066	-.00197	3.6864	.00796	.02652	.03
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00362	.00667
SDev	.00409	.00323
%RSD	112.97	48.499
#1	.00607	.00494
#2	-.00110	.00466
#3	.00589	.01040
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39454	--	--	--	--	--	--
SDev	270.4691	--	--	--	--	--	--
%RSD	.6855370	--	--	--	--	--	--
#1	39586	--	--	--	--	--	--
#2	39632	--	--	--	--	--	--
#3	39142	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 14:04:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0536	2.0117	1.9676	1.9690	1.9999	2.0284	2.0039
SDev	.0594	.0557	.0539	.0545	.0563	.0588	.0570
%RSD	2.8919	2.7680	2.7398	2.7691	2.8167	2.9008	2.8467
#1	Q2.1220	2.0760	2.0298	2.0319	2.0649	2.0961	2.0697
#2	2.0151	1.9784	1.9345	1.9351	1.9666	1.9900	1.9697
#3	2.0237	1.9807	1.9385	1.9401	1.9681	1.9990	1.9722
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9952	.25551	2.0377	1.9704	2.0194	2.0059	1.9897
SDev	.0538	.00702	.0699	.0545	.0553	.0587	.0462
%RSD	2.6973	2.7463	3.4285	2.7655	2.7399	2.9254	2.3209
#1	2.0573	Q.26361	Q2.1175	2.0333	2.0832	2.0727	2.0296
#2	1.9620	.25142	2.0083	1.9375	1.9856	1.9823	1.9391
#3	1.9664	.25150	1.9874	1.9404	1.9892	1.9627	2.0004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0106	1.9893	40.685	39.839	40.985	40.844	40.687
SDev	.0470	.0565	1.178	1.130	1.224	1.155	1.073
%RSD	2.3355	2.8385	2.8956	2.8373	2.9865	2.8279	2.6382
#1	2.0531	2.0538	Q42.045	41.144	Q42.399	Q42.178	41.926
#2	1.9602	1.9486	39.969	39.178	40.256	40.159	40.032
#3	2.0185	1.9655	40.042	39.195	40.301	40.196	40.103
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.019	2.0238	1.9951	5.0350	2.0042	1.9728	1.9977
SDev	1.223	.0571	.0528	.1455	.0637	.0583	.0592
%RSD	2.9813	2.8211	2.6475	2.8894	3.1782	2.9539	2.9637
#1	Q42.430	2.0897	2.0560	5.2029	2.0769	2.0373	2.0252
#2	40.351	1.9942	1.9623	4.9471	1.9773	1.9570	1.9298
#3	40.275	1.9877	1.9670	4.9550	1.9583	1.9240	2.0382
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9819	2.0247
SDev	.0570	.0600
%RSD	2.8755	2.9622
#1	2.0442	2.0573
#2	1.9691	1.9555
#3	1.9324	2.0613
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37293	--	--	--	--	--	--
SDev	881.0085	--	--	--	--	--	--
%RSD	2.362409	--	--	--	--	--	--
#1	36289	--	--	--	--	--	--
#2	37653	--	--	--	--	--	--
#3	37937	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 14:12:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00043	.00041	.00059	.00048	.00067	-.00081	.00032
SDev	.00003	.00005	.00025	.00074	.00066	.00017	.00011
%RSD	8.2257	12.198	42.198	153.59	97.600	20.511	33.666
#1	.00046	.00044	.00031	.00029	.00122	-.00081	.00038
#2	.00044	.00044	.00080	.00131	.00085	-.00064	.00039
#3	.00039	.00036	.00066	-.00015	-.00006	-.00097	.00020
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	.00013	-.00046	.00057	.00106	-.00207	-.00018
SDev	.00149	.00050	.00112	.00053	.00213	.00183	.00218
%RSD	149.93	384.71	242.96	93.151	201.17	88.337	1228.8
#1	.00271	-.00005	-.00036	.00058	.00142	-.00118	-.00130
#2	.00009	.00069	.00060	.00108	.00299	-.00086	-.00157
#3	.00017	-.00026	-.00162	.00003	-.00123	-.00417	.00233
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00420	.00009	.01307	-.03066	.02016	.01508	-.31004
SDev	.00105	.00372	.00509	.00154	.01464	.00433	.02255
%RSD	25.094	3920.5	38.909	5.0125	72.629	28.731	7.2737
#1	.00327	.00020	.01000	-.02983	.01825	.01334	-.31389
#2	Q.00534	-.00367	.01894	-.02971	.03565	.02001	-.28581
#3	.00399	.00376	.01027	-.03243	.00656	.01189	-.33041
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.27756	.00184	.00070	-.01836	.00338	-.00374	.00113
SDev	.16989	.00076	.00244	.00896	.00246	.00308	.00363
%RSD	61.209	41.485	349.91	48.814	72.886	82.282	320.75
#1	-.29777	.00096	-.00007	-.02218	.00074	-.00690	.00103
#2	-.09847	.00217	.00343	-.00812	.00377	-.00075	-.00245
#3	-.43645	.00238	-.00127	Q-.02479	.00562	-.00356	.00411
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00695	.00946
SDev	.00317	.00068
%RSD	45.592	7.1722
#1	-.01048	.00982
#2	-.00435	.00987
#3	-.00601	.00867

Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38245	--	--	--	--	--	--
SDev	207.7629	--	--	--	--	--	--
%RSD	.5432486	--	--	--	--	--	--
#1	38338	--	--	--	--	--	--
#2	38006	--	--	--	--	--	--
#3	38389	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26669-B2 Operator:
Run Time: 08/17/04 14:21:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9162	.10040	.09817	.96110	.39258	.49504	.98923
SDev	.0119	.00036	.00016	.00400	.00156	.00197	.00324
%RSD	.30405	.35954	.16171	.41620	.39649	.39736	.32773
#1	3.9177	.10051	.09802	.96231	.39278	.49461	.98956
#2	3.9036	.10000	.09816	.95663	.39094	.49333	.98584
#3	3.9273	.10070	.09834	.96435	.39404	.49719	.99230
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98364	.09631	1.0019	.98859	3.8504	3.9394	.95703
SDev	.00267	.00081	.0028	.00347	.0193	.0100	.00067
%RSD	.27102	.84018	.28302	.35119	.50194	.25375	.06959
#1	.98652	.09662	1.0021	.99019	3.8697	3.9495	.95632
#2	.98126	.09539	.99906	.98461	3.8310	3.9296	.95764
#3	.98313	.09692	1.0047	.99098	3.8507	3.9392	.95713
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6842	.97211	4.0242	25.796	1.9918	25.609	22.711
SDev	.0151	.00597	.0149	.087	.0147	.088	.069
%RSD	.41028	.61431	.37018	.33697	.73889	.34292	.30284
#1	3.7000	.97097	4.0257	25.826	1.9897	25.618	22.736
#2	3.6699	.96679	4.0086	25.698	1.9783	25.517	22.633
#3	3.6825	.97857	4.0382	25.865	2.0075	25.692	22.763
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.206	.00268	-.00180	3.6124	.00117	.96361	.95333
SDev	.111	.00068	.00017	.0143	.00245	.00454	.00328
%RSD	.44108	25.206	9.4303	.39605	210.31	.47147	.34394
#1	25.136	.00318	-.00178	3.6145	-.00123	.96884	.94958
#2	25.147	.00191	-.00198	3.5972	.00367	.96063	.95567
#3	25.334	.00296	-.00164	3.6256	.00105	.96135	.95415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	3.7190	3.6664
SDev	.0242	.0109
%RSD	.65186	.29656
#1	3.7423	3.6785
#2	3.6939	3.6576
#3	3.7209	3.6630
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37576	--	--	--	--	--	--
SDev	221.9775	--	--	--	--	--	--
%RSD	.5907469	--	--	--	--	--	--
#1	37323	--	--	--	--	--	--
#2	37664	--	--	--	--	--	--
#3	37740	--	--	--	--	--	--

Method: EPA3 Sample Name: N75278-1 Operator:
Run Time: 08/17/04 14:28:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00969	.00004	.00028	.00097	.02628	.01037	.02619
SDev	.00008	.00002	.00015	.00029	.00034	.00019	.00021
%RSD	.79657	57.506	52.427	29.686	1.2791	1.8235	.80990
#1	.00961	.00005	.00036	.00076	.02591	.01018	.02611
#2	.00971	.00005	.00037	.00086	.02637	.01056	.02603
#3	.00976	.00001	.00011	.00130	.02656	.01036	.02643
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02152	.00018	-.00031	.10307	.00655	-.00693	.00164
SDev	.00145	.00005	.00047	.00033	.00219	.00298	.00107
%RSD	6.7544	25.626	151.15	.31794	33.429	43.041	65.137
#1	.02203	.00023	.00020	.10345	.00456	-.00366	.00143
#2	.02265	.00016	-.00072	.10288	.00619	-.00951	.00070
#3	.01988	.00015	-.00040	.10288	.00889	-.00763	.00281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01101	-.00193	.05809	.88320	2.2808	.05707	4.7586
SDev	.00215	.00329	.00226	.00306	.0164	.00267	.0276
%RSD	19.545	170.53	3.8826	.34669	.71975	4.6815	.58050
#1	.01103	.00070	.05742	.88266	2.2699	.05987	4.7662
#2	.01315	L-.00561	.05625	.88044	2.2729	.05678	4.7279
#3	.00884	-.00086	.06060	.88650	2.2997	.05455	4.7816
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.0938	.00295	.05814	.15459	.08369	.00015	.00205
SDev	.1115	.00097	.00067	.00188	.00252	.00238	.00247
%RSD	1.3779	32.942	1.1546	1.2191	3.0067	1582.7	120.51
#1	8.1884	.00281	.05827	.15616	.08579	.00277	.00045
#2	7.9708	.00399	.05873	.15511	.08437	-.00042	.00080
#3	8.1220	.00206	.05741	.15250	.08090	-.00189	.00481
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1560

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00590	.01328
SDev	.00383	.00266
%RSD	64.894	20.034
#1	.00959	.01148
#2	.00616	.01634
#3	.00195	.01203
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	39229	--	--	--	--	--	--
SDev	136.1786	--	--	--	--	--	--
%RSD	.3471417	--	--	--	--	--	--
#1	39186	--	--	--	--	--	--
#2	39381	--	--	--	--	--	--
#3	39118	--	--	--	--	--	--

Method: EPA3 Sample Name: N73626-1 Operator:
Run Time: 08/17/04 14:44:01
Comment: 1
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05018	.00035	.00039	.02080	.01558	.02118	1.5444
SDev	.00085	.00004	.00023	.00061	.00048	.00019	.0281
%RSD	1.7032	11.172	60.253	2.9309	3.0875	.87652	1.8196
#1	.04940	.00031	.00044	.02031	.01530	.02097	1.5176
#2	.05109	.00039	.00059	.02060	.01614	.02129	1.5736
#3	.05006	.00035	.00013	.02148	.01531	.02129	1.5420
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00727	-.00053	.01724	.02941	.03003	-.00425	.00172
SDev	.00026	.00011	.00052	.00066	.00335	.00820	.00234
%RSD	3.6036	21.381	3.0427	2.2343	11.140	192.83	136.26
#1	.00699	-.00058	.01683	.02882	.03216	-.00755	.00430
#2	.00751	-.00062	.01783	.03012	.03176	L-.01028	.00113
#3	.00730	-.00040	.01705	.02930	.02618	.00508	-.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00178	.00381	2.5423	13.375	102.39	10.472	3.7514
SDev	.00252	.00174	.0457	.243	1.90	.197	.0716
%RSD	141.39	45.563	1.7992	1.8182	1.8508	1.8802	1.9078
#1	.00297	.00236	2.4955	13.133	100.51	10.290	3.6830
#2	.00348	.00573	2.5869	13.619	104.30	10.681	3.8258
#3	-.00111	.00334	2.5445	13.372	102.35	10.446	3.7455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	33.419	.00200	-.00321	11.382	.00322	.00381	.00028
SDev	.561	.00112	.00032	.204	.00091	.00278	.00340
%RSD	1.6776	56.306	10.016	1.7966	28.290	72.861	1193.6
#1	32.800	.00139	-.00326	11.186	.00217	.00559	.00328
#2	33.892	.00130	-.00350	11.594	.00370	.00061	.00099
#3	33.565	.00329	-.00287	11.366	.00380	.00524	-.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1562

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01232	.00852
SDev	.00497	.00174
%RSD	40.301	20.422
#1	-.00819	.00825
#2	-.01095	.01039
#3	-.01783	.00694
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38530	--	--	--	--	--	--
SDev	579.4827	--	--	--	--	--	--
%RSD	1.503983	--	--	--	--	--	--
#1	39006	--	--	--	--	--	--
#2	37885	--	--	--	--	--	--
#3	38698	--	--	--	--	--	--

Method: EPA3 Sample Name: N73626-4 Operator:
Run Time: 08/17/04 14:51:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06212	.00009	.00041	.02281	.00537	.01797	.99052
SDev	.00033	.00000	.00017	.00080	.00054	.00097	.00143
%RSD	.53784	4.8094	42.024	3.5077	10.099	5.3821	.14453
#1	.06241	.00009	.00042	.02200	.00599	.01908	.99194
#2	.06175	.00008	.00024	.02361	.00513	.01733	.98908
#3	.06219	.00009	.00058	.02282	.00498	.01750	.99056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01202	-.00097	.00574	.04611	.00007	.00390	.00076
SDev	.00140	.00019	.00035	.00022	.00303	.00274	.00243
%RSD	11.676	19.124	6.0969	.46888	4453.5	70.384	317.47
#1	.01060	-.00096	.00589	.04619	-.00049	.00630	-.00182
#2	.01340	-.00079	.00599	.04586	.00334	.00449	.00113
#3	.01204	-.00116	.00534	.04626	-.00265	.00091	.00299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00244	.00048	1.0506	6.6907	61.896	5.5497	2.1102
SDev	.00358	.00196	.0062	.0094	.039	.0061	.0149
%RSD	146.98	411.42	.59244	.13975	.06248	.10995	.70590
#1	-.00141	.00253	1.0533	6.7012	61.903	5.5470	2.1239
#2	.00305	-.00136	1.0435	6.6877	61.854	5.5455	2.1124
#3	.00568	.00025	1.0550	6.6833	61.930	5.5567	2.0943
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	35.278	.00135	-.00294	7.7821	.00269	.00151	-.00007
SDev	.038	.00052	.00090	.0098	.00214	.00157	.00432
%RSD	.10684	38.678	30.777	.12610	79.548	104.27	5953.8
#1	35.300	.00106	-.00300	7.7934	.00168	.00329	-.00485
#2	35.234	.00103	-.00200	7.7758	.00516	.00034	.00106
#3	35.299	.00195	-.00381	7.7771	.00124	.00089	.00357
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01306	.00988
SDev	.00156	.00611
%RSD	11.910	61.912
#1	-.01171	.00342
#2	-.01271	.01062
#3	-.01476	.01558
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38711	--	--	--	--	--	--
SDev	252.5957	--	--	--	--	--	--
%RSD	.6525177	--	--	--	--	--	--
#1	38453	--	--	--	--	--	--
#2	38722	--	--	--	--	--	--
#3	38958	--	--	--	--	--	--

Method: EPA3 Sample Name: N73626-6 Operator:
Run Time: 08/17/04 14:59:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05937	.00007	.00038	.02500	.00358	-.00053	1.0641
SDev	.00068	.00003	.00011	.00070	.00011	.00007	.0089
%RSD	1.1452	42.771	28.669	2.7873	3.0002	13.733	.83397
#1	.06009	.00010	.00046	.02580	.00370	-.00045	1.0739
#2	.05927	.00007	.00041	.02453	.00349	-.00057	1.0619
#3	.05874	.00004	.00026	.02467	.00357	-.00058	1.0566
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01361	-.00089	.00450	.04396	.00488	-.00240	.00217
SDev	.00121	.00053	.00045	.00053	.00630	.00496	.00184
%RSD	8.9003	59.773	10.076	1.2168	129.07	206.28	84.575
#1	.01228	-.00031	.00485	.04449	.00555	.00070	.00005
#2	.01466	-.00136	.00399	.04397	-.00173	-.00812	.00317
#3	.01388	-.00100	.00467	.04342	.01082	.00021	.00330
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00267	.00441	.49599	6.7251	67.031	5.9128	2.1416
SDev	.00162	.00052	.00842	.0544	.546	.0527	.0419
%RSD	60.926	11.801	1.6978	.80916	.81487	.89092	1.9548
#1	.00438	.00387	.50570	6.7860	67.646	5.9698	2.1874
#2	.00247	.00490	.49159	6.7082	66.845	5.9025	2.1321
#3	.00115	.00446	.49068	6.6811	66.603	5.8660	2.1053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	37.917	.00004	-.00137	7.6166	.00105	.00137	.00211
SDev	.409	.00085	.00082	.0665	.00383	.00268	.00146
%RSD	1.0791	1903.0	59.924	.87295	363.19	195.76	69.318
#1	38.153	-.00085	-.00042	7.6908	-.00256	-.00170	.00045
#2	38.154	.00084	-.00181	7.5968	.00066	.00327	.00266
#3	37.444	.00015	-.00189	7.5623	.00507	.00254	.00321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01055	.00896
SDev	.00407	.00407
%RSD	38.562	45.466
#1	-.01482	.01366
#2	-.00672	.00675
#3	-.01011	.00647
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38295	--	--	--	--	--	--
SDev	536.9922	--	--	--	--	--	--
%RSD	1.402264	--	--	--	--	--	--
#1	37697	--	--	--	--	--	--
#2	38451	--	--	--	--	--	--
#3	38736	--	--	--	--	--	--

Method: EPA3 Sample Name: N74037-6 Operator:
Run Time: 08/17/04 15:08:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03159	.00061	.00633	.00242	.02770	.00632	.05191
SDev	.00047	.00003	.00019	.00011	.00034	.00029	.00051
%RSD	1.4828	5.1829	2.9589	4.4669	1.2110	4.6348	.98750
#1	.03212	.00064	.00637	.00246	.02808	.00662	.05246
#2	.03141	.00058	.00650	.00230	.02758	.00630	.05183
#3	.03124	.00062	.00613	.00251	.02744	.00603	.05144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00355	-.00100	.01983	.02101	.00299	-.00678	.01439
SDev	.00128	.00011	.00058	.00037	.00147	.00659	.00114
%RSD	35.897	10.510	2.9063	1.7442	49.168	97.145	7.9060
#1	.00210	-.00111	.02037	.02142	.00452	-.00848	.01559
#2	.00406	-.00099	.01922	.02088	.00159	L-.01236	.01332
#3	.00450	-.00091	.01989	.02072	.00286	.00049	.01425
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00224	.00673	4.4982	28.752	7.1726	4.9652	4.8158
SDev	.00130	.00373	.0562	.326	.0864	.0559	.0615
%RSD	58.026	55.350	1.2495	1.1322	1.2047	1.1265	1.2779
#1	.00074	.01000	4.5623	29.126	7.2691	5.0287	4.8864
#2	.00292	.00267	4.4749	28.596	7.1464	4.9436	4.7873
#3	.00305	.00752	4.4574	28.533	7.1024	4.9232	4.7736
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.551	.00622	-.00392	9.8042	.00289	.01250	.01498
SDev	.504	.00115	.00176	.1106	.00228	.00193	.00084
%RSD	1.1841	18.542	44.924	1.1280	78.829	15.420	5.5810
#1	43.133	.00556	-.00482	9.9313	.00542	.01456	.01582
#2	42.256	.00554	-.00504	9.7516	.00227	.01074	.01415
#3	42.264	.00755	-.00189	9.7298	.00099	.01222	.0141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00970	.00792
SDev	.00347	.00025
%RSD	35.771	3.1884
#1	-.01371	.00769
#2	-.00763	.00788
#3	-.00778	.00819
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38444	--	--	--	--	--	--
SDev	443.2394	--	--	--	--	--	--
%RSD	1.152940	--	--	--	--	--	--
#1	37944	--	--	--	--	--	--
#2	38601	--	--	--	--	--	--
#3	38788	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 15:15:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0045	1.9572	1.9147	1.9159	1.9491	1.9735	1.9519
SDev	.0081	.0224	.0190	.0272	.0139	.0158	.0161
%RSD	.40499	1.1438	.99343	1.4215	.71248	.80237	.82731
#1	1.9969	1.9444	1.9003	Q1.8977	1.9394	1.9620	1.9406
#2	2.0034	1.9440	1.9074	1.9027	1.9428	1.9668	1.9447
#3	2.0131	1.9830	1.9362	1.9472	1.9650	1.9915	1.9704
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9410	.24883	2.0033	1.9201	1.9652	1.9679	1.9107
SDev	.0106	.00161	.0040	.0216	.0155	.0172	.0121
%RSD	.54869	.64630	.20122	1.1254	.78746	.87627	.63367
#1	1.9374	.24783	1.9986	1.9066	1.9550	1.9641	1.9100
#2	1.9326	.24798	2.0059	1.9086	1.9575	1.9529	Q1.8989
#3	1.9530	.25069	2.0053	1.9450	1.9830	1.9867	1.9231
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9342	1.9475	39.690	38.782	39.860	39.860	39.720
SDev	.0129	.0211	.248	.315	.129	.145	.358
%RSD	.66765	1.0811	.62522	.81288	.32363	.36273	.90226
#1	1.9361	1.9363	39.484	38.597	39.746	39.753	39.466
#2	1.9204	1.9345	39.621	38.602	39.832	39.802	39.563
#3	1.9460	1.9718	39.966	39.146	40.000	40.024	40.130
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	39.912	1.9733	1.9418	4.9032	1.9622	1.9406	1.8953
SDev	.391	.0043	.0212	.0361	.0036	.0167	.0103
%RSD	.98080	.21621	1.0927	.73668	.18532	.86294	.54342
#1	39.791	1.9685	1.9263	4.8767	1.9592	1.9447	1.8922
#2	39.594	1.9744	1.9330	4.8886	1.9612	1.9222	1.8869
#3	40.349	1.9768	1.9660	4.9444	1.9662	1.9550	1.9068
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9490	1.9264
SDev	.0151	.0126
%RSD	.77634	.65608
#1	1.9575	1.9251
#2	1.9315	1.9145
#3	1.9580	1.9397
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38005	--	--	--	--	--	--
SDev	274.4427	--	--	--	--	--	--
%RSD	.7221214	--	--	--	--	--	--
#1	38035	--	--	--	--	--	--
#2	38263	--	--	--	--	--	--
#3	37717	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 15:29:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.00015	.00035	-.00040	-.00025	-.00072	-.00006
SDev	.00011	.00004	.00027	.00023	.00055	.00033	.00006
%RSD	34.955	25.360	77.719	57.127	220.50	45.416	97.888
#1	.00041	.00019	.00018	-.00048	-.00066	-.00036	-.00002
#2	.00020	.00015	.00066	-.00059	-.00047	-.00080	-.00003
#3	.00030	.00011	.00021	-.00015	.00038	-.00099	-.00012
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.00025	-.00078	.00015	-.00185	-.00118	.00159
SDev	.00127	.00023	.00051	.00020	.00344	.00202	.00092
%RSD	1278.0	88.802	64.653	131.07	185.94	171.31	57.697
#1	-.00042	-.00007	-.00115	.00022	Q-.00571	-.00117	.00066
#2	-.00083	-.00051	-.00021	.00032	.00091	.00084	.00162
#3	.00155	-.00018	-.00099	-.00007	-.00075	-.00320	.00249
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	-.00279	-.00512	-.04994	.01173	-.00041	-.30492
SDev	.00056	.00147	.00103	.00075	.01078	.00357	.01845
%RSD	168.54	52.527	20.223	1.4939	91.953	879.70	6.0515
#1	-.00031	-.00111	-.00416	-.04926	.02099	.00017	-.28449
#2	.00064	-.00344	-.00622	-.04981	-.00011	.00285	-.30991
#3	.00066	-.00383	-.00497	-.05074	.01432	-.00423	-.32036
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.27036	.00081	-.00056	-.01405	.00349	-.00257	.00314
SDev	.11033	.00015	.00103	.01584	.00101	.00232	.00242
%RSD	40.809	18.223	185.02	112.74	28.892	90.409	77.006
#1	-.23725	.00065	.00024	Q-.02341	.00311	.00011	.00046
#2	-.18038	.00094	-.00173	-.02299	.00463	-.00404	.00382
#3	-.39346	.00084	-.00019	.00424	.00273	-.00376	.00515
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00434	.00236
SDev	.00216	.00030
%RSD	49.827	12.581
#1	-.00680	.00261
#2	-.00270	.00203
#3	-.00353	.00244
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37939	--	--	--	--	--	--
SDev	299.3593	--	--	--	--	--	--
%RSD	.7890502	--	--	--	--	--	--
#1	37599	--	--	--	--	--	--
#2	38055	--	--	--	--	--	--
#3	38163	--	--	--	--	--	--

Method: EPA3 Sample Name: N75265-1 Operator:
Run Time: 08/17/04 15:38:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10821	.00032	.00134	.00230	.02408	.08325	.14391
SDev	.00043	.00004	.00015	.00039	.00026	.00036	.00035
%RSD	.39638	13.745	11.556	16.878	1.0737	.42631	.24136
#1	.10791	.00031	.00127	.00273	.02387	.08284	.14351
#2	.10802	.00028	.00152	.00198	.02437	.08351	.14405
#3	.10870	.00036	.00124	.00219	.02400	.08338	.14416
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00775	-.00006	.03029	.13165	.03617	-.00136	2.7397
SDev	.00055	.00024	.00076	.00047	.00640	.00035	.0139
%RSD	7.0654	402.92	2.5227	.35654	17.686	25.591	.50600
#1	.00834	.00012	.02941	.13111	.04063	-.00131	2.7238
#2	.00763	-.00033	.03081	.13194	.03904	-.00173	2.7489
#3	.00726	.00003	.03065	.13189	.02884	-.00104	2.7465
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00078	.01514	12.423	33.704	16.112	6.2193	.76824
SDev	.00518	.00138	.016	.083	.042	.0231	.00890
%RSD	661.20	9.0928	.13130	.24740	.26216	.37159	1.1586
#1	.00616	.01372	12.410	33.613	16.065	6.1929	.75803
#2	.00038	.01522	12.418	33.725	16.125	6.2287	.77437
#3	-.00419	.01647	12.442	33.776	16.147	6.2362	.77232
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.03503	.00304	-.00478	2.3044	.02264	2.7744	2.7220
SDev	.07471	.00153	.00074	.0147	.00406	.0144	.0164
%RSD	213.23	50.434	15.473	.63908	17.956	.51990	.60419
#1	.00811	.00127	-.00424	2.3113	.02702	2.7636	2.7035
#2	-.12130	.00386	-.00562	2.2875	.02190	2.7908	2.7276
#3	.00808	.00400	-.00448	2.3144	.01899	2.7689	2.731
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01054	.00613
SDev	.00429	.00563
%RSD	40.687	91.938
#1	-.00613	.01199
#2	-.01079	.00565
#3	-.01469	.00075
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37982	--	--	--	--	--	--
SDev	201.0186	--	--	--	--	--	--
%RSD	.5292414	--	--	--	--	--	--
#1	38164	--	--	--	--	--	--
#2	37766	--	--	--	--	--	--
#3	38017	--	--	--	--	--	--

Method: EPA3 Sample Name: N75265-2 Operator:
Run Time: 08/17/04 15:45:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15480	.00176	.00095	.00673	.12376	.13072	.07435
SDev	.00069	.00003	.00018	.00058	.00106	.00027	.00040
%RSD	.44558	1.5999	18.990	8.6543	.85405	.20478	.53114
#1	.15553	.00177	.00100	.00709	.12481	.13074	.07471
#2	.15416	.00174	.00075	.00606	.12270	.13045	.07393
#3	.15472	.00179	.00110	.00704	.12375	.13098	.07442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02184	.00205	.35653	.09785	.52689	-.00311	H46.828
SDev	.00063	.00028	.00194	.00032	.00090	.00235	.186
%RSD	2.8803	13.492	.54346	.32577	.17094	75.482	.39748
#1	.02141	.00222	.35869	.09795	.52768	-.00106	H47.042
#2	.02256	.00173	.35597	.09749	.52707	-.00260	H46.741
#3	.02154	.00220	.35494	.09810	.52591	-.00567	H46.701
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01097	.45407	90.380	2.1117	158.28	4.0797	5.4384
SDev	.00164	.00950	.441	.0115	.89	.0228	.0257
%RSD	14.963	2.0919	.48784	.54293	.56133	.55809	.47303
#1	.00911	.44453	90.868	2.1238	159.22	4.1049	5.4681
#2	.01157	.45416	90.010	2.1009	157.45	4.0605	5.4234
#3	.01223	.46353	90.263	2.1104	158.19	4.0737	5.4237
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09604	.00481	-.00623	3.8966	.03091	47.213	46.635
SDev	.09742	.00085	.00057	.0472	.00322	.141	.242
%RSD	101.44	17.555	9.1696	1.2119	10.417	.29843	.51830
#1	.02386	.00530	-.00677	3.9437	.02730	47.300	46.912
#2	.05741	.00384	-.00631	3.8967	.03347	47.288	46.467
#3	.20684	.00530	-.00563	3.8493	.03197	47.051	46.526
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00510	.01871
SDev	.00196	.00146
%RSD	38.444	7.8046
#1	-.00733	.01706
#2	-.00435	.01922
#3	-.00363	.01984
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38789	--	--	--	--	--	--
SDev	158.1621	--	--	--	--	--	--
%RSD	.4077491	--	--	--	--	--	--
#1	38635	--	--	--	--	--	--
#2	38781	--	--	--	--	--	--
#3	38951	--	--	--	--	--	--

Method: EPA3 Sample Name: N75265-3 Operator:
Run Time: 08/17/04 15:53:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24186	.00346	.00215	.01904	.14971	.13339	.62768
SDev	.00039	.00002	.00049	.00051	.00067	.00020	.00117
%RSD	.15943	.52315	22.818	2.6632	.44955	.15284	.18559
#1	.24177	.00345	.00251	.01849	.14896	.13327	.62662
#2	.24229	.00345	.00159	.01915	.14990	.13362	.62893
#3	.24153	.00348	.00235	.01949	.15027	.13327	.62749
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03622	.00088	.49891	.27938	.20281	-.00156	11.206
SDev	.00124	.00019	.00070	.00029	.00447	.01147	.059
%RSD	3.4161	21.995	.14099	.10472	2.2014	737.51	.52265
#1	.03511	.00100	.49822	.27909	.19849	.01128	11.142
#2	.03599	.00098	.49963	.27938	.20740	-.00513	11.257
#3	.03755	.00066	.49889	.27968	.20253	L-.01081	11.219
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01119	.04990	93.419	3.0014	268.09	5.6385	7.4227
SDev	.00058	.00290	.149	.0049	.45	.0055	.0116
%RSD	5.1453	5.8174	.15898	.16229	.16670	.09686	.15664
#1	.01171	.05261	93.275	2.9959	267.61	5.6322	7.4098
#2	.01057	.04684	93.572	3.0033	268.50	5.6418	7.4322
#3	.01129	.05025	93.411	3.0050	268.15	5.6414	7.4262
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29342	.00631	-.00756	3.5788	.02963	11.324	11.146
SDev	.03893	.00040	.00093	.0230	.00212	.030	.080
%RSD	13.269	6.3191	12.273	.64333	7.1487	.26225	.72220
#1	.30392	.00674	-.00863	3.5525	.02906	11.297	11.064
#2	.25032	.00625	-.00694	3.5956	.03198	11.320	11.226
#3	.32603	.00595	-.00711	3.5881	.02786	11.356	11.151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00703	.01999
SDev	.00225	.00107
%RSD	31.979	5.3656
#1	-.00468	.01960
#2	-.00725	.01917
#3	-.00916	.02121
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	38475	--	--	--	--	--	--
SDev	138.1017	--	--	--	--	--	--
%RSD	.3589345	--	--	--	--	--	--
#1	38555	--	--	--	--	--	--
#2	38316	--	--	--	--	--	--
#3	38555	--	--	--	--	--	--

Method: EPA3 Sample Name: N75265-4 Operator:
Run Time: 08/17/04 16:01:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30391	.00429	.00136	.01947	.24167	.12692	.35570
SDev	.00585	.00004	.00064	.00140	.00200	.00251	.00335
%RSD	1.9250	.88782	46.969	7.1711	.82631	1.9754	.94219
#1	.30072	.00425	.00126	.01818	.23995	.12499	.35364
#2	.30035	.00431	.00203	.02095	.24121	.12601	.35390
#3	.31066	.00431	.00077	.01928	.24386	.12975	.35957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03871	.00132	.71829	.21459	.20833	.00210	.52755
SDev	.00163	.00144	.00892	.00108	.00762	.01200	.00793
%RSD	4.2137	108.98	1.2422	.50136	3.6555	572.76	1.5039
#1	.03685	.00047	.71520	.21335	.20714	.01595	.52024
#2	.03938	.00298	.71132	.21514	.21647	-.00516	.53599
#3	.03991	.00051	.72835	.21528	.20138	-.00450	.52641
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01693	.00541	147.09	2.7780	336.44	8.4272	11.923
SDev	.00341	.00987	2.69	.0178	3.36	.0926	.249
%RSD	20.138	182.55	1.8255	.64015	.99752	1.0983	2.0921
#1	.01808	-.00137	145.67	2.7668	334.88	8.3579	11.800
#2	.01310	.01674	145.42	2.7687	334.16	8.3913	11.759
#3	.01963	.00086	150.19	2.7985	340.30	8.5323	12.210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.88560	.00673	-.01874	3.9441	.02675	.54060	.52063
SDev	.53638	.00162	.00584	.0377	.00260	.00428	.00980
%RSD	60.567	24.042	31.162	.95516	9.7031	.79231	1.8832
#1	.64962	.00595	-.02193	3.9270	.02707	.53728	.51133
#2	1.4995	.00565	-.01200	3.9179	.02401	.54543	.53087
#3	.50767	.00859	-.02230	3.9872	.02917	.53908	.51961
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00910	.02963
SDev	.00361	.00380
%RSD	39.648	12.813
#1	-.00579	.02969
#2	-.01294	.02580
#3	-.00856	.03340
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37898	--	--	--	--	--	--
SDev	543.8116	--	--	--	--	--	--
%RSD	1.434950	--	--	--	--	--	--
#1	38238	--	--	--	--	--	--
#2	38185	--	--	--	--	--	--
#3	37270	--	--	--	--	--	--

Method: EPA3 Sample Name: N75265-2 Operator:
Run Time: 08/17/04 16:09:26
Comment:
Mode: CONC Corr. Factor: 2

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15942	.00170	.00094	.00701	.12393	.13339	.07486
SDev	.00072	.00008	.00028	.00085	.00134	.00152	.00042
%RSD	.44963	4.8156	29.578	12.124	1.0818	1.1419	.56094
#1	.15893	.00161	.00126	.00603	.12375	.13274	.07471
#2	.15909	.00174	.00074	.00755	.12269	.13230	.07454
#3	.16024	.00176	.00084	.00744	.12535	.13513	.07534
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02264	.00169	.36077	.10085	.53196	-.00064	H47.203
SDev	.00267	.00062	.00382	.00079	.00984	.00132	.392
%RSD	11.790	36.644	1.0601	.78629	1.8507	205.59	.83067
#1	.02265	.00240	.35863	.10003	.52078	-.00007	H47.151
#2	.02530	.00136	.35850	.10091	.53576	-.00216	H46.840
#3	.01996	.00130	.36518	.10162	.53934	.00029	H47.619
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01446	.46298	91.598	2.0956	157.85	4.1403	5.2660
SDev	.00623	.01875	.485	.0158	1.02	.0209	.0531
%RSD	43.094	4.0501	.52907	.75633	.64452	.50462	1.0077
#1	.00841	.44185	91.388	2.0842	157.38	4.1252	5.2449
#2	.02086	.46943	91.255	2.0889	157.15	4.1317	5.2267
#3	.01411	.47765	92.153	2.1137	159.01	4.1642	5.3263
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.15165	.00626	-.00745	3.9445	.03292	47.876	46.867
SDev	.31629	.00043	.00028	.0494	.00404	.386	.409
%RSD	208.57	6.8790	3.7243	1.2520	12.262	.80524	.87371
#1	.04708	.00626	-.00776	3.9151	.03688	47.689	46.882
#2	-.51637	.00583	-.00722	3.9170	.03306	47.619	46.450
#3	.01436	.00669	-.00737	4.0015	.02881	48.319	47.261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00633	.02422
SDev	.00577	.00704
%RSD	91.102	29.067
#1	-.01299	.01847
#2	-.00283	.03207
#3	-.00318	.02210
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37597	--	--	--	--	--	--
SDev	293.5601	--	--	--	--	--	--
%RSD	.7808114	--	--	--	--	--	--
#1	37547	--	--	--	--	--	--
#2	37912	--	--	--	--	--	--
#3	37331	--	--	--	--	--	--

Method: EPA3 Sample Name: ~~MP26760-MB2~~ mp26794-mb2 Operator:
Run Time: 08/17/04 16:21:23 ND 8/17/04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00205	.00000	.00014	.00005	.00030	-.00086	.00031
SDev	.00013	.00005	.00040	.00018	.00038	.00052	.00007
%RSD	6.3943	2669.9	288.05	343.21	127.80	60.861	22.388
#1	.00205	.00006	.00046	.00021	.00012	-.00036	.00028
#2	.00192	-.00005	.00027	.00008	.00004	-.00082	.00039
#3	.00218	.00000	-.00031	-.00014	.00073	-.00140	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00086	-.00062	-.00077	.00093	-.00174	-.00378	.00200
SDev	.00074	.00043	.00033	.00014	.00223	.00487	.00191
%RSD	86.002	69.719	43.083	15.027	128.20	128.78	95.486
#1	.00170	-.00026	-.00115	.00109	.00083	-.00685	.00264
#2	.00053	-.00050	-.00051	.00087	-.00291	-.00633	-.00015
#3	.00034	-.00109	-.00066	.00084	-.00314	.00183	.00350
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00271	.00417	.01514	.02690	.02505	.00184	-.31828
SDev	.00183	.00130	.00600	.00474	.00133	.00395	.02662
%RSD	67.635	31.183	39.615	17.633	5.2881	214.17	8.3625
#1	.00061	.00562	.02111	.02333	.02377	.00515	-.28971
#2	.00397	.00377	.01521	.03229	.02496	.00290	-.34238
#3	.00355	.00311	.00911	.02510	.02641	-.00253	-.32274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23779	.00062	-.00167	.00005	.01924	-.00012	.00257
SDev	.13451	.00071	.00071	.00702	.00042	.00421	.00140
%RSD	56.568	114.21	42.708	14801.	2.2005	3555.4	54.444
#1	.14619	.00102	-.00092	.00793	.01913	.00330	.00181
#2	.39221	-.00020	-.00173	-.00229	.01971	-.00482	.00171
#3	.17496	.00104	-.00234	-.00550	.01889	.00116	.00419
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00893	.00820
SDev	.00471	.00104
%RSD	52.697	12.735
#1	-.01417	.00767
#2	-.00755	.00941
#3	-.00507	.00754
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37326	--	--	--	--	--	--
SDev	638.4526	--	--	--	--	--	--
%RSD	1.710495	--	--	--	--	--	--
#1	36682	--	--	--	--	--	--
#2	37959	--	--	--	--	--	--
#3	37335	--	--	--	--	--	--

Method: EPA3 Sample Name: ~~MP26760-B2~~ MP26794-B2 Operator:
Run Time: 08/17/04 16:28:59 NN 8/19/04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6670	.08995	.08997	.88876	.35709	.47716	.90843
SDev	.0193	.00052	.00077	.00430	.00292	.00241	.00499
%RSD	.52730	.57776	.85923	.48340	.81754	.50541	.54939
#1	3.6875	.09017	.09083	.88964	.35654	.47977	.90808
#2	3.6490	.08936	.08934	.88409	.35447	.47501	.90362
#3	3.6645	.09033	.08975	.89254	.36024	.47670	.91358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89990	.08961	.91490	.89804	3.5456	3.6237	.86511
SDev	.00724	.00078	.01026	.00674	.0363	.0247	.02808
%RSD	.80491	.86789	1.1216	.75037	1.0244	.68176	3.2455
#1	.90444	.08880	.92600	.90137	3.5787	3.6369	.83392
#2	.89154	.08967	.90576	.89028	3.5067	3.5952	.87301
#3	.90370	.09035	.91295	.90246	3.5513	3.6389	.88839
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.2928	.86302	50.763	11.589	48.593	11.345	11.833
SDev	.0947	.01213	.203	.083	.282	.056	.073
%RSD	2.8754	1.4054	.40016	.71372	.57991	.49009	.61655
#1	3.1917	.84945	50.917	11.596	48.743	11.366	11.891
#2	3.3073	.86679	50.532	11.503	48.268	11.282	11.751
#3	3.3794	.87281	50.838	11.668	48.768	11.387	11.857
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.952	.00275	-.00430	.00553	.02368	.87698	.85879
SDev	.123	.00217	.00187	.00446	.00828	.03199	.02615
%RSD	1.0254	79.023	43.564	80.603	34.953	3.6477	3.0446
#1	12.066	.00526	-.00612	.00688	.03257	.84067	.83025
#2	11.822	.00159	-.00440	.00055	.02227	.88924	.86453
#3	11.968	.00140	-.00238	.00916	.01620	.90102	.88158
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	3.3364	3.2707
SDev	.0894	.0982
%RSD	2.6795	3.0027
#1	3.2357	3.1694
#2	3.3670	3.2771
#3	3.4065	3.3655
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37968	--	--	--	--	--	--
SDev	1134.653	--	--	--	--	--	--
%RSD	2.988467	--	--	--	--	--	--
#1	39180	--	--	--	--	--	--
#2	37792	--	--	--	--	--	--
#3	36931	--	--	--	--	--	--

Method: EPA3 Sample Name: CRIB Operator:
Run Time: 08/17/04 16:37:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41218	.01033	.00764	.10076	.01952	.05046	.03061
SDev	.00166	.00006	.00051	.00102	.00144	.00087	.00019
%RSD	.40361	.58203	6.7131	1.0148	7.3837	1.7286	.61110
#1	.41034	.01029	.00753	.10086	.02057	.05046	.03060
#2	.41358	.01039	.00820	.10173	.02012	.05133	.03081
#3	.41262	.01029	.00720	.09969	.01788	.04958	.03043
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.01000	.00800	.10000	.02000	.05000	.03000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08102	.01885	.10204	.04077	Q.00689	.01883	.00460
SDev	.00133	.00160	.00063	.00096	.00379	.00445	.00153
%RSD	1.6451	8.4578	.61284	2.3520	55.026	23.614	33.259
#1	.08135	.01947	.10133	.04086	Q.00593	Q.01383	.00552
#2	.08216	.02005	.10231	.04168	.01106	.02232	.00546
#3	.07955	.01704	.10250	.03977	Q.00367	.02036	Q.00284
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	.08000	.02000	.10000	.04000	.01000	.02000	.00600
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01227	.01198	.40759	5.0071	.21130	5.0716	4.9700
SDev	.00233	.00780	.00820	.0341	.01530	.0300	.0295
%RSD	18.967	65.145	2.0128	.68150	7.2400	.59079	.59439
#1	Q.01488	Q.01479	.40579	4.9678	.19464	5.0374	4.9361
#2	.01040	Q.01798	.41655	5.0275	.21454	5.0935	4.9901
#3	.01154	Q.00316	.40044	5.0262	.22471	5.0837	4.9838
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.01000	.40000	5.0000	.20000	5.0000	5.0000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9112	.02266	.10533	.39288	.02355	.00123	.00597
SDev	.2496	.00025	.00516	.00634	.00174	.00352	.00302
%RSD	5.0819	1.1006	4.8953	1.6143	7.4060	286.49	50.580
#1	5.0183	.02249	.10781	.39159	.02154	.00450	.00571
#2	5.0893	.02254	.10877	.39976	.02460	-.00250	.00911
#3	4.6259	.02295	.09940	.38727	.02452	.00168	.00309
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	.02000	.10000	.40000	.02000
Range	30.000	30.000	30.000	30.000	30.000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00378	.01622
SDev	.00167	.00286
%RSD	44.228	17.637
#1	.00558	.01925
#2	.00350	.01356
#3	.00227	.01586
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37081	--	--	--	--	--	--
SDev	306.2656	--	--	--	--	--	--
%RSD	.8259411	--	--	--	--	--	--
#1	37434	--	--	--	--	--	--
#2	36909	--	--	--	--	--	--
#3	36899	--	--	--	--	--	--

Method: EPA3
Run Time: 08/17/04 16:49:47
Comment:
Mode: CONC Corr. Factor: 1
Sample Name: ICSA
Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00415	.00027	.00004	.00167	-.00052	.00046	-.00074
SDev	.00016	.00002	.00013	.00077	.00041	.00027	.00010
%RSD	3.8059	6.2849	358.31	46.151	78.038	58.466	13.288
#1	.00426	.00026	.00016	.00178	-.00095	.00064	-.00074
#2	.00397	.00029	.00004	.00238	-.00013	.00060	-.00064
#3	.00422	.00027	-.00009	.00085	-.00050	.00015	-.00083
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	-.00023	.00393	-.00034	-.00107	.00701	-.00089
SDev	.00092	.00020	.00095	.00039	.00351	.00647	.00238
%RSD	298.79	85.082	24.146	115.11	327.78	92.224	267.80
#1	.00128	-.00042	.00313	-.00023	.00278	.00236	-.00272
#2	-.00055	-.00003	.00497	-.00002	-.00189	Q.01439	-.00175
#3	.00019	-.00025	.00368	-.00078	-.00410	.00428	.00180
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.00602	-.00258	529.59	531.54	201.39	518.08	-.13738
SDev	.00300	.00246	.65	.58	.04	.69	.00451
%RSD	49.816	95.016	.12247	.10898	.01829	.13271	3.2808
#1	Q.00526	-.00122	530.26	531.19	201.43	518.75	-.14256
#2	Q.00932	-.00112	529.53	531.23	201.38	517.38	-.13526
#3	.00347	Q-.00542	528.97	532.21	201.36	518.10	-.13433
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.18789	.00303	-.00186	.00180	.00303	-.00278	-.00036
SDev	.02654	.00192	.00024	.00144	.00380	.00620	.00214
%RSD	14.128	63.443	12.940	79.756	125.67	222.94	593.76
#1	-.16805	.00093	-.00179	.00116	.00646	-.00979	.00039
#2	-.17757	.00471	-.00212	.00344	.00368	-.00052	-.00277
#3	-.21804	.00344	-.00166	.00079	-.00106	.00197	.00138
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	
Range	5.0000	.00500	.05000	.20000	.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00494	.01116
SDev	.00456	.00439
%RSD	92.302	39.337
#1	-.01018	.01264
#2	-.00194	.01462
#3	-.00269	.00622
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35957	--	--	--	--	--	--
SDev	112.6914	--	--	--	--	--	--
%RSD	.3134101	--	--	--	--	--	--
#1	35827	--	--	--	--	--	--
#2	36009	--	--	--	--	--	--
#3	36034	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSAB Operator:
Run Time: 08/17/04 16:57:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50980	.46038	.93718	.48213	.46998	.50088	.47819
SDev	.00566	.00515	.01018	.00605	.00625	.00579	.00526
%RSD	1.1112	1.1192	1.0860	1.2548	1.3294	1.1565	1.1007
#1	.51448	.46566	.94762	.48843	.47610	.50608	.48313
#2	.50351	.45537	.92729	.47637	.46361	.49464	.47265
#3	.51142	.46010	.93662	.48160	.47022	.50193	.47879
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96511	1.0170	.50062	.93026	1.0601	.95304	.96980
SDev	.01076	.0104	.00544	.00939	.0113	.00630	.00904
%RSD	1.1144	1.0265	1.0869	1.0090	1.0664	.66141	.93246
#1	.97563	1.0254	.50606	.94058	1.0657	.95841	.97797
#2	.95413	1.0053	.49518	.92222	1.0471	.94610	.96008
#3	.96558	1.0203	.50061	.92798	1.0676	.95460	.97136
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0083	.98542	529.82	531.06	202.76	519.73	-.16906
SDev	.0112	.00945	6.26	6.17	2.16	5.51	.01119
%RSD	1.1115	.95844	1.1809	1.1625	1.0667	1.0600	6.6159
#1	1.0078	.99468	535.20	537.44	204.88	524.97	-.15615
#2	.99734	.97580	522.95	525.11	200.56	513.99	-.17556
#3	1.0197	.98577	531.31	530.63	202.83	520.23	-.17548
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.11344	.49686	.52150	.02260	.00357	.97878	.96495
SDev	.06569	.00476	.00499	.00465	.00409	.00630	.01079
%RSD	57.908	.95812	.95721	20.580	114.65	.64377	1.1185
#1	-.06765	.50226	.52606	.02782	.00828	.98585	.97365
#2	-.08397	.49325	.51617	.01890	.00094	.97377	.95287
#3	-.18871	.49508	.52229	.02109	.00148	.97671	.96151
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value		.50000	.50000
Range		.10000	.10000
Elem	1960/1	1960/2	
Units	ppm	ppm	
Avge	1.0008	1.0117	
SDev	.0160	.0098	
%RSD	1.5969	.96655	
#1	1.0067	1.0080	
#2	.98265	1.0044	
#3	1.0129	1.0228	
Errors	NOCHECK	NOCHECK	
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36513	--	--	--	--	--	--
SDev	226.9118	--	--	--	--	--	--
%RSD	.6214536	--	--	--	--	--	--
#1	36290	--	--	--	--	--	--
#2	36744	--	--	--	--	--	--
#3	36505	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 17:04:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0410	1.9980	1.9484	1.9569	1.9821	2.0077	1.9894
SDev	.0156	.0222	.0212	.0242	.0188	.0174	.0201
%RSD	.76546	1.1118	1.0863	1.2386	.94748	.86710	1.0117
#1	2.0448	2.0014	1.9533	1.9588	1.9871	2.0133	1.9934
#2	2.0238	1.9743	1.9252	1.9317	1.9613	1.9882	1.9676
#3	2.0544	2.0183	1.9666	1.9801	1.9979	2.0216	2.0072
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9740	.25330	2.0259	1.9634	2.0006	1.9940	1.9401
SDev	.0215	.00255	.0194	.0218	.0241	.0251	.0199
%RSD	1.0903	1.0083	.95598	1.1112	1.2025	1.2606	1.0234
#1	1.9712	.25392	2.0329	1.9676	1.9985	2.0097	1.9395
#2	1.9541	.25049	2.0040	1.9397	1.9776	1.9650	1.9205
#3	1.9969	.25548	2.0407	1.9828	2.0256	2.0074	1.9602
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9734	1.9805	40.258	39.411	40.462	40.535	40.379
SDev	.0157	.0262	.313	.392	.357	.335	.350
%RSD	.79309	1.3237	.77733	.99471	.88291	.82567	.86706
#1	1.9736	1.9775	40.341	39.516	40.618	40.661	40.547
#2	1.9576	1.9560	39.912	38.977	40.053	40.155	39.977
#3	1.9889	2.0081	40.521	39.740	40.715	40.788	40.613
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.553	1.9931	1.9748	4.9991	1.9845	1.9690	1.9252
SDev	.345	.0157	.0213	.0503	.0195	.0134	.0236
%RSD	.85156	.78982	1.0809	1.0071	.98307	.67858	1.2242
#1	40.746	1.9970	1.9808	5.0120	1.9843	1.9738	1.9220
#2	40.154	1.9758	1.9511	4.9436	1.9651	1.9539	1.9035
#3	40.758	2.0065	1.9925	5.0417	2.0041	1.9793	1.9503
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9882	1.9656
SDev	.0124	.0176
%RSD	.62314	.89429
#1	1.9922	1.9640
#2	1.9743	1.9489
#3	1.9981	1.9840
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37250	--	--	--	--	--	--
SDev	208.8853	--	--	--	--	--	--
%RSD	.5607598	--	--	--	--	--	--
#1	37151	--	--	--	--	--	--
#2	37490	--	--	--	--	--	--
#3	37110	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 17:12:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00081	.00044	.00051	.00039	.00015	.00009	.00030
SDev	.00009	.00004	.00022	.00023	.00033	.00067	.00003
%RSD	11.457	8.7059	43.354	58.991	212.92	784.10	11.421
#1	.00071	.00047	.00067	.00033	.00052	.00061	.00032
#2	.00086	.00045	.00059	.00065	-.00011	-.00067	.00026
#3	.00087	.00040	.00026	.00020	.00005	.00031	.00031
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00061	.00006	-.00033	.00015	.00080	-.00076	-.00032
SDev	.00180	.00028	.00016	.00033	.00146	.00231	.00003
%RSD	297.42	465.09	48.129	220.74	182.11	301.54	8.1313
#1	-.00235	.00039	-.00032	.00029	.00223	.00085	-.00030
#2	-.00071	-.00008	-.00050	-.00023	.00086	-.00340	-.00035
#3	.00125	-.00012	-.00018	.00039	-.00069	.00026	-.00031
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00238	.00015	Q.03399	-.01258	.03280	.03656	-.26802
SDev	.00308	.00060	.00902	.00761	.00345	.00774	.02735
%RSD	129.63	406.60	26.535	60.504	10.533	21.167	10.206
#1	Q.00550	-.00035	Q.04379	-.00533	.03342	.04380	-.23644
#2	-.00066	.00081	Q.03213	-.01190	.03590	.03748	-.28426
#3	.00230	-.00002	.02604	-.02050	.02907	.02840	-.28336
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.28028	.00212	-.00092	-.02233	.00260	-.00262	.00035
SDev	.09774	.00077	.00054	.00193	.00342	.00186	.00096
%RSD	34.872	36.172	58.875	8.6611	131.25	70.760	278.03
#1	-.38842	.00209	-.00035	-.02017	-.00085	-.00288	.00050
#2	-.19824	.00290	-.00142	Q-.02390	.00598	-.00065	-.00068
#3	-.25418	.00137	-.00099	-.02293	.00268	-.00433	.00139
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00478	.00564
SDev	.00354	.00560
%RSD	74.064	99.304
#1	-.00807	.01196
#2	-.00525	.00131
#3	-.00103	.00364
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37341	--	--	--	--	--	--
SDev	436.7186	--	--	--	--	--	--
%RSD	1.169540	--	--	--	--	--	--
#1	36844	--	--	--	--	--	--
#2	37663	--	--	--	--	--	--
#3	37516	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSA Operator:
Run Time: 08/17/04 17:22:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00434	.00040	-.00004	.00208	-.00033	.00084	-.00062
SDev	.00016	.00005	.00027	.00024	.00078	.00047	.00008
%RSD	3.7719	12.379	732.38	11.376	238.05	55.688	12.195
#1	.00416	.00036	-.00033	.00190	-.00111	.00031	-.00069
#2	.00448	.00038	.00019	.00200	-.00031	.00119	-.00064
#3	.00436	.00046	.00003	.00235	.00044	.00103	-.00054
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	.00005	.00435	-.00012	-.00023	.00400	-.00071
SDev	.00106	.00057	.00063	.00030	.00330	.00367	.00131
%RSD	398.80	1201.0	14.574	243.66	1437.2	91.963	185.60
#1	-.00084	-.00058	.00469	-.00001	.00037	.00813	-.00015
#2	.00096	.00019	.00475	.00011	-.00378	.00111	-.00220
#3	-.00092	.00053	.00362	-.00047	.00272	.00274	.00024
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00285	-.00141	533.76	532.33	201.72	519.19	-.14291
SDev	.00191	.00274	2.06	1.59	.63	1.74	.00725
%RSD	67.196	194.77	.38590	.29813	.31264	.33553	5.0707
#1	-.00458	.00072	536.06	534.07	202.43	521.16	-.14950
#2	-.00317	-.00044	533.13	531.99	201.48	518.57	-.14409
#3	-.00079	-.00450	532.08	530.95	201.24	517.85	-.13515
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.11911	.00212	-.00135	.00862	.00500	-.00651	.00177
SDev	.12483	.00150	.00174	.00104	.00343	.00298	.00154
%RSD	104.80	70.955	128.92	12.064	68.552	45.751	86.761
#1	-.24742	.00304	-.00324	.00863	.00430	-.00324	.00097
#2	-.11183	.00293	.00019	.00966	.00873	-.00906	.00080
#3	.00192	.00038	-.00100	.00758	.00198	-.00722	.00354
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	5.0000	.00500	.05000	.20000	.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01394	.00236
SDev	.00771	.00597
%RSD	55.274	252.53
#1	-.01454	.00006
#2	-.00595	-.00211
#3	-.02133	.00914
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35455	--	--	--	--	--	--
SDev	66.42552	--	--	--	--	--	--
%RSD	.1873520	--	--	--	--	--	--
#1	35402	--	--	--	--	--	--
#2	35530	--	--	--	--	--	--
#3	35433	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSAB Operator:
Run Time: 08/17/04 17:45:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51336	.45860	.92886	.48141	.46819	.50374	.47708
SDev	.00145	.00135	.00344	.00131	.00075	.00117	.00116
%RSD	.28191	.29466	.37007	.27156	.15909	.23291	.24403
#1	.51342	.45845	.92995	.48092	.46830	.50342	.47695
#2	.51189	.45734	.92501	.48042	.46739	.50277	.47598
#3	.51478	.46003	.93162	.48289	.46887	.50505	.47830
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96094	1.0205	.49921	.92330	1.0539	.94889	.95591
SDev	.00842	.0025	.00058	.00217	.0070	.00454	.00312
%RSD	.87653	.24916	.11562	.23538	.66894	.47814	.32648
#1	.96429	1.0206	.49983	.92408	1.0466	.94457	.95918
#2	.95136	1.0179	.49912	.92085	1.0546	.94850	.95296
#3	.96717	1.0230	.49868	.92498	1.0606	.95362	.95558
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99662	.99424	532.01	528.79	201.74	518.19	-.15646
SDev	.00750	.00159	1.13	1.14	.36	1.41	.00218
%RSD	.75264	.16004	.21293	.21613	.17885	.27244	1.3924
#1	.99855	.99537	532.67	529.09	201.63	518.56	-.15585
#2	.98834	.99494	530.70	527.53	201.44	516.64	-.15888
#3	1.0030	.99242	532.66	529.75	202.14	519.39	-.15465
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.09314	.49573	.52366	.02656	.00614	.96987	.94845
SDev	.03008	.00156	.00046	.00223	.00573	.00129	.00444
%RSD	32.297	.31474	.08847	8.3928	93.371	.13307	.46838
#1	-.08971	.49555	.52324	.02887	.00459	.96999	.95335
#2	-.12479	.49427	.52360	.02640	.00134	.96852	.94468
#3	-.06492	.49737	.52416	.02442	.01248	.97109	.94732
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

1600

Value		.50000	.50000				
Range		.10000	.10000				
Elem	1960/1	1960/2					
Units	ppm	ppm					
Avge	1.0022	.99348					
SDev	.0028	.01217					
%RSD	.27755	1.2247					
#1	.99934	.99783					
#2	1.0049	.97974					
#3	1.0025	1.0029					
Errors	NOCHECK	NOCHECK					
Value							
Range							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35519	--	--	--	--	--	--
SDev	138.4774	--	--	--	--	--	--
%RSD	.3898722	--	--	--	--	--	--
#1	35454	--	--	--	--	--	--
#2	35678	--	--	--	--	--	--
#3	35424	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 17:53:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0484	2.0115	1.9611	1.9712	1.9943	2.0113	2.0019
SDev	.0026	.0052	.0052	.0047	.0042	.0051	.0041
%RSD	.12664	.25804	.26564	.23945	.20932	.25115	.20400
#1	2.0457	2.0073	1.9607	1.9687	1.9928	2.0071	1.9989
#2	2.0486	2.0099	1.9561	1.9682	1.9912	2.0099	2.0003
#3	2.0509	2.0173	1.9665	1.9766	1.9991	2.0169	2.0066
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9858	.25438	2.0315	1.9824	2.0117	2.0107	1.9541
SDev	.0027	.00045	.0053	.0049	.0124	.0136	.0043
%RSD	.13455	.17835	.25989	.24530	.61757	.67515	.21799
#1	1.9869	.25386	2.0294	1.9798	1.9993	1.9965	1.9496
#2	1.9828	.25464	2.0277	1.9794	2.0117	2.0119	1.9581
#3	1.9877	.25465	2.0376	1.9880	2.0242	2.0236	1.9546
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9792	1.9949	40.309	39.712	40.701	40.749	40.322
SDev	.0039	.0089	.111	.095	.080	.078	.085
%RSD	.19820	.44642	.27639	.23920	.19573	.19258	.21109
#1	1.9823	1.9897	40.185	39.604	40.626	40.659	40.224
#2	1.9805	1.9898	40.401	39.749	40.692	40.784	40.376
#3	1.9748	2.0052	40.341	39.783	40.785	40.804	40.366
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.635	2.0063	1.9779	5.0179	1.9989	1.9753	1.9431
SDev	.170	.0071	.0037	.0108	.0086	.0069	.0036
%RSD	.41834	.35540	.18646	.21619	.42904	.34716	.18682
#1	40.456	2.0000	1.9757	5.0096	1.9950	1.9674	1.9404
#2	40.656	2.0050	1.9759	5.0138	1.9930	1.9791	1.9472
#3	40.794	2.0140	1.9822	5.0302	2.0087	1.9795	1.941[illegible]
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9867	1.9752
SDev	.0103	.0091
%RSD	.51641	.45909
#1	1.9757	1.9853
#2	1.9961	1.9725
#3	1.9882	1.9678
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37126	--	--	--	--	--	--
SDev	159.6457	--	--	--	--	--	--
%RSD	.4300060	--	--	--	--	--	--
#1	37298	--	--	--	--	--	--
#2	36982	--	--	--	--	--	--
#3	37100	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 18:11:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00038	.00023	.00037	.00039	.00016	-.00061	-.00000
SDev	.00015	.00010	.00031	.00063	.00014	.00075	.00006
%RSD	40.504	41.213	84.997	160.39	86.491	123.02	1560.7
#1	.00041	.00015	.00007	.00042	.00029	-.00063	-.00007
#2	.00021	.00021	.00034	-.00025	.00001	-.00136	.00003
#3	.00051	.00034	.00069	.00100	.00018	.00015	.00003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00010	.00025	-.00006	-.00365	-.00227	-.00064
SDev	.00143	.00020	.00056	.00020	.00296	.00364	.00274
%RSD	1000.0	192.04	221.62	359.73	81.031	160.32	425.68
#1	.00090	-.00017	.00030	.00017	-.00061	-.00233	.00151
#2	-.00177	.00012	.00078	-.00022	Q-.00652	-.00588	.00028
#3	.00044	-.00026	-.00033	-.00011	-.00383	.00140	Q-.00372
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00130	-.00042	Q.03829	-.00954	.02774	.03642	-.28364
SDev	.00325	.00164	.02752	.02787	.01044	.03227	.00722
%RSD	249.90	388.37	71.862	291.98	37.640	88.632	2.5472
#1	.00499	.00131	.01085	-.03955	.01813	.00319	-.28349
#2	-.00113	-.00196	Q.03815	-.00460	.02625	.03840	-.29093
#3	.00004	-.00061	Q.06588	.01552	.03885	.06765	-.27648
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.24482	.00056	-.00014	-.02206	.00222	-.00433	.00072
SDev	.05111	.00077	.00028	.00159	.00209	.00309	.00259
%RSD	20.875	137.55	199.67	7.1944	94.363	71.512	361.67
#1	-.24294	-.00031	.00012	-.02246	-.00012	-.00232	.00295
#2	-.29683	.00081	-.00043	Q-.02342	.00390	-.00276	.00132
#3	-.19467	.00118	-.00011	-.02032	.00288	-.00789	-.00
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00678	.00502
SDev	.00322	.00327
%RSD	47.532	65.160
#1	-.00307	.00869
#2	-.00890	.00244
#3	-.00837	.00392
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37385	--	--	--	--	--	--
SDev	185.3664	--	--	--	--	--	--
%RSD	.4958299	--	--	--	--	--	--
#1	37458	--	--	--	--	--	--
#2	37523	--	--	--	--	--	--
#3	37174	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 18:21:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0712	2.0276	1.9747	1.9885	2.0115	2.0334	2.0204
SDev	.0355	.0373	.0325	.0380	.0343	.0372	.0369
%RSD	1.7161	1.8401	1.6434	1.9107	1.7067	1.8287	1.8245
#1	2.0524	2.0063	1.9532	1.9654	1.9922	2.0125	1.9995
#2	Q2.1122	2.0707	2.0120	2.0324	2.0511	2.0763	2.0630
#3	2.0490	2.0059	1.9589	1.9678	1.9911	2.0113	1.9988
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0096	.25617	2.0566	1.9972	2.0216	2.0157	1.9677
SDev	.0343	.00473	.0366	.0357	.0393	.0391	.0357
%RSD	1.7079	1.8474	1.7813	1.7853	1.9433	1.9423	1.8147
#1	1.9883	.25389	2.0341	1.9746	2.0006	2.0034	1.9474
#2	2.0492	.26161	2.0988	2.0383	2.0669	2.0595	2.0089
#3	1.9912	.25300	2.0367	1.9786	1.9972	1.9841	1.9467
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0000	2.0083	40.733	40.057	41.063	41.038	40.785
SDev	.0354	.0374	.737	.716	.711	.731	.619
%RSD	1.7722	1.8643	1.8097	1.7865	1.7309	1.7809	1.5170
#1	1.9767	1.9801	40.349	39.654	40.666	40.649	40.494
#2	2.0408	2.0508	41.583	40.883	41.884	41.881	41.496
#3	1.9825	1.9942	40.268	39.634	40.640	40.584	40.366
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.124	2.0217	1.9998	5.0834	2.0159	2.0019	1.9501
SDev	.536	.0349	.0377	.0973	.0301	.0431	.0323
%RSD	1.3045	1.7270	1.8845	1.9145	1.4912	2.1509	1.6561
#1	40.661	1.9973	1.9805	5.0249	1.9962	1.9830	1.9292
#2	41.712	2.0617	2.0433	5.1958	2.0505	2.0512	1.9873
#3	41.000	2.0061	1.9757	5.0296	2.0010	1.9716	1.9338
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0193	1.9901
SDev	.0511	.0285
%RSD	2.5300	1.4342
#1	1.9958	1.9669
#2	2.0779	2.0219
#3	1.9842	1.9814
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36873	--	--	--	--	--	--
SDev	628.5731	--	--	--	--	--	--
%RSD	1.704719	--	--	--	--	--	--
#1	36992	--	--	--	--	--	--
#2	36193	--	--	--	--	--	--
#3	37433	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 18:42:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00035	.00023	-.00000	-.00067	-.00051	-.00058	-.00005
SDev	.00030	.00012	.00061	.00162	.00193	.00115	.00027
%RSD	85.772	53.240	2203300.	240.31	378.90	198.70	555.39
#1	.00018	.00010	-.00069	-.00254	Q-.00273	-.00180	-.00035
#2	.00016	.00034	.00019	.00031	.00076	-.00040	.00017
#3	.00069	.00025	.00050	.00021	.00044	.00047	.00004
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	-.00098	-.00143	-.00045	-.00152	-.00789	-.00016
SDev	.00140	.00160	.00161	.00137	.00712	.00590	.00175
%RSD	143.42	163.35	112.82	307.63	469.15	74.869	1098.5
#1	-.00259	Q-.00282	-.00034	-.00202	Q-.00835	-.00188	-.00054
#2	-.00005	-.00025	-.00067	.00022	-.00207	-.00810	-.00169
#3	-.00029	.00013	-.00328	.00047	Q.00586	Q-.01368	.00175
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00262	-.00463	.00836	-.04118	.01831	-.00485	-.29452
SDev	.00095	.00753	.01075	.00568	.00615	.01872	.02068
%RSD	36.209	162.49	128.62	13.783	33.586	386.28	7.0202
#1	.00369	Q-.01294	-.00325	-.04734	.01405	-.02644	-.31678
#2	.00228	.00175	.01035	-.03616	.01553	.00678	-.27592
#3	.00189	-.00272	.01797	-.04005	.02536	.00513	-.29085
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.41035	-.00085	-.00357	-.02225	.00105	-.00970	.00413
SDev	.44799	.00178	.00535	.00768	.00308	.00943	.00731
%RSD	109.17	209.23	149.99	34.506	293.54	97.245	177.13
#1	Q-.91945	.00095	-.00971	Q-.03031	.00440	-.00567	.00155
#2	-.23520	-.00089	-.00110	-.02144	.00040	-.00295	-.00[illegible]
#3	-.07639	-.00260	.00010	-.01502	-.00165	-.02048	.01237
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

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Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00992	.00857
SDev	.01009	.00429
%RSD	101.77	50.065
#1	-.00455	.00749
#2	-.00364	.00492
#3	-.02156	.01329
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37099	--	--	--	--	--	--
SDev	423.8735	--	--	--	--	--	--
%RSD	1.142541	--	--	--	--	--	--
#1	37021	--	--	--	--	--	--
#2	37557	--	--	--	--	--	--
#3	36720	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26737-MB1CONF Operator:
Run Time: 08/17/04 18:50:02
Comment: 2
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00153	.00028	.00049	.00024	-.00000	-.00005	.00033
SDev	.00013	.00006	.00043	.00026	.00034	.00025	.00012
%RSD	8.6328	19.405	86.388	107.57	7911.9	509.90	35.503
#1	.00145	.00023	.00023	.00009	.00007	-.00029	.00022
#2	.00147	.00028	.00098	.00054	-.00038	.00020	.00031
#3	.00169	.00034	.00027	.00009	.00030	-.00006	.00045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	-.00050	-.00039	.00176	-.00094	-.00089	-.00019
SDev	.00198	.00033	.00108	.00025	.00120	.00639	.00094
%RSD	1012.3	66.310	279.65	14.018	128.25	714.90	484.74
#1	-.00020	-.00089	-.00131	.00152	-.00112	-.00371	.00080
#2	.00179	-.00030	-.00065	.00173	.00035	-.00539	-.00032
#3	-.00218	-.00032	.00080	.00201	-.00204	.00642	-.00106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00152	.00415	.06644	.05003	.03837	.06413	-.27935
SDev	.00136	.00132	.00811	.00871	.01426	.01259	.00205
%RSD	89.431	31.833	12.210	17.405	37.177	19.625	.73351
#1	-.00003	.00379	.05708	.04006	.02238	.04990	-.27803
#2	.00249	H.00561	.07071	.05385	.04296	.06872	-.28171
#3	.00209	.00304	.07152	.05617	.04978	.07378	-.27831
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12572	.00125	-.00082	.01161	.00098	-.00429	.00137
SDev	.05937	.00032	.00220	.00205	.00256	.00459	.00265
%RSD	47.228	25.444	267.75	17.654	259.86	107.02	193.73
#1	.08829	.00141	-.00293	.00952	-.00111	-.00204	.00174
#2	.09468	.00088	-.00100	.01168	.00022	-.00956	.00382
#3	.19418	.00144	.00146	.01362	.00384	-.00125	-.00145
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000		
Low	-5.0000	-.01000	-.05000	-.20000	-.01000		
Elem	1960/1	1960/2					
Units	ppm	ppm					
Avge	-.01059	.00725					
SDev	.00397	.00230					
%RSD	37.528	31.749					
#1	-.01279	.00602					
#2	-.01298	.00991					
#3	-.00600	.00582					
Errors	NOCHECK	NOCHECK					
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37236	--	--	--	--	--	--
SDev	139.5820	--	--	--	--	--	--
%RSD	.3748549	--	--	--	--	--	--
#1	37076	--	--	--	--	--	--
#2	37331	--	--	--	--	--	--
#3	37302	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26737-S1 Operator:
Run Time: 08/17/04 18:57:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1493	.04803	.04729	.47355	.19019	.25102	2.3232
SDev	.0103	.00045	.00092	.00456	.00111	.00171	.0182
%RSD	.48042	.93279	1.9372	.96359	.58378	.68192	.78230
#1	2.1401	.04844	.04833	.47729	.19127	.24980	2.3367
#2	2.1605	.04811	.04698	.47489	.19025	.25298	2.3304
#3	2.1472	.04755	.04658	.46847	.18905	.25029	2.3026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47686	.04855	.49077	.47955	1.9059	1.9230	.46858
SDev	.00580	.00009	.00298	.00626	.0155	.0143	.00394
%RSD	1.2162	.18883	.60666	1.3059	.81126	.74106	.84153
#1	.48331	.04860	.49232	.48615	1.9148	1.9294	.47072
#2	.47519	.04861	.49266	.47882	1.9148	1.9330	.47100
#3	.47208	.04845	.48734	.47369	1.8880	1.9067	.46403
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8383	.48144	1.9987	67.797	42.386	39.706	31.666
SDev	.0140	.00849	.0084	.646	.338	.280	.218
%RSD	.76303	1.7626	.42215	.95258	.79795	.70396	.68693
#1	1.8411	.48499	1.9954	68.376	42.644	39.884	31.416
#2	1.8507	.48757	2.0083	67.915	42.510	39.851	31.813
#3	1.8230	.47175	1.9924	67.101	42.003	39.384	31.768
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	156.51	.00117	-.00102	19.712	.00210	.47254	.46615
SDev	.64	.00096	.00098	.092	.00177	.00590	.00319
%RSD	.40611	81.888	95.903	.46547	84.180	1.2490	.68480
#1	156.01	.00053	-.00033	19.732	.00306	.47728	.46704
#2	157.22	.00227	-.00060	19.792	.00006	.47442	.46879
#3	156.29	.00071	-.00214	19.612	.00317	.46593	.46
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1612

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.8591	1.8275
SDev	.0214	.0115
%RSD	1.1535	.63048
#1	1.8714	1.8256
#2	1.8716	1.8399
#3	1.8343	1.8170
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36927	--	--	--	--	--	--
SDev	518.1768	--	--	--	--	--	--
%RSD	1.403249	--	--	--	--	--	--
#1	37374	--	--	--	--	--	--
#2	36359	--	--	--	--	--	--
#3	37047	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26737-S2 Operator:
Run Time: 08/17/04 19:05:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2234	.05003	.04943	.49296	.19742	.25903	2.4526
SDev	.0024	.00005	.00041	.00113	.00028	.00065	.0028
%RSD	.10764	.10590	.82305	.22982	.14386	.24939	.11297
#1	2.2222	.05004	.04907	.49259	.19740	.25874	2.4528
#2	2.2219	.04997	.04935	.49206	.19715	.25858	2.4497
#3	2.2262	.05007	.04987	.49424	.19771	.25977	2.4552
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49855	.04985	.50863	.50334	1.9800	2.0086	.48832
SDev	.00340	.00006	.00104	.00091	.0034	.0039	.00373
%RSD	.68108	.12721	.20412	.18105	.17122	.19283	.76298
#1	.49801	.04982	.50875	.50321	1.9825	2.0045	.49098
#2	.49545	.04982	.50754	.50250	1.9813	2.0122	.48406
#3	.50218	.04993	.50960	.50431	1.9762	2.0092	.48992
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9027	.49767	2.0495	71.832	44.966	41.792	32.730
SDev	.0021	.00094	.0025	.094	.008	.056	.096
%RSD	.11068	.18997	.12005	.13056	.01722	.13401	.29472
#1	1.9024	.49806	2.0468	71.748	44.958	41.794	32.624
#2	1.9007	.49660	2.0517	71.813	44.974	41.736	32.755
#3	1.9049	.49837	2.0499	71.933	44.967	41.847	32.813
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	163.41	.00124	-.00253	20.780	.00205	.49323	.48548
SDev	.29	.00043	.00147	.020	.00106	.00528	.00338
%RSD	.17848	34.595	58.079	.09828	51.496	1.0701	.69608
#1	163.15	.00173	-.00262	20.776	.00132	.49445	.48876
#2	163.72	.00106	-.00394	20.762	.00158	.48744	.48201
#3	163.34	.00093	-.00101	20.803	.00326	.49778	.48566
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1614

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9225	1.8925
SDev	.0064	.0033
%RSD	.33490	.17223
#1	1.9156	1.8955
#2	1.9234	1.8890
#3	1.9284	1.8928
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36991	--	--	--	--	--	--
SDev	149.4824	--	--	--	--	--	--
%RSD	.4041054	--	--	--	--	--	--
#1	36818	--	--	--	--	--	--
#2	37082	--	--	--	--	--	--
#3	37073	--	--	--	--	--	--

Method: EPA3 Sample Name: N74259-3F Operator:
Run Time: 08/17/04 19:13:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18872	.00002	-.00022	.00106	.00072	-.00040	1.9860
SDev	.00038	.00005	.00047	.00046	.00032	.00016	.0034
%RSD	.19962	215.18	216.12	43.817	44.035	40.312	.17289
#1	.18901	.00004	-.00075	.00156	.00059	-.00023	1.9900
#2	.18885	-.00003	.00012	.00098	.00049	-.00041	1.9844
#3	.18829	.00007	-.00001	.00064	.00109	-.00055	1.9837
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00060	-.00041	.00111	.01041	.00181	-.00230	.00009
SDev	.00025	.00031	.00022	.00034	.00497	.00294	.00175
%RSD	40.873	75.999	19.590	3.2225	274.08	127.71	1925.3
#1	.00083	-.00012	.00088	.01076	.00577	-.00526	-.00147
#2	.00034	-.00073	.00131	.01037	-.00377	.00061	.00198
#3	.00063	-.00038	.00113	.01009	.00345	-.00225	-.00023
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	-.00028	.01186	46.688	44.636	16.394	5.4768
SDev	.00191	.00149	.00375	.092	.054	.029	.0197
%RSD	611.86	529.66	31.636	.19782	.12191	.17953	.36022
#1	-.00164	.00106	.01427	46.789	44.687	16.428	5.4920
#2	.00217	-.00189	.00754	46.668	44.644	16.372	5.4839
#3	.00040	-.00002	.01378	46.608	44.579	16.383	5.4545
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	138.87	-.00002	-.00145	20.989	.00243	-.00048	-.00003
SDev	.09	.00055	.00045	.022	.00146	.00214	.00183
%RSD	.06680	3178.4	30.762	.10586	59.815	444.70	6963.7
#1	138.91	-.00065	-.00147	21.014	.00324	-.00294	-.00114
#2	138.93	.00032	-.00100	20.980	.00075	.00095	.00209
#3	138.76	.00028	-.00189	20.972	.00330	.00055	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01354	.00692
SDev	.00285	.00146
%RSD	21.024	21.140
#1	-.01662	.00553
#2	-.01100	.00844
#3	-.01300	.00678
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37242	--	--	--	--	--	--
SDev	188.5849	--	--	--	--	--	--
%RSD	.5063823	--	--	--	--	--	--
#1	37024	--	--	--	--	--	--
#2	37343	--	--	--	--	--	--
#3	37358	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26737-SD1 Operator:
Run Time: 08/17/04 19:20:48
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18604	.00012	-.00047	.00092	-.00031	-.00360	1.9106
SDev	.00175	.00012	.00199	.00217	.00195	.00215	.0218
%RSD	.94031	104.09	422.46	236.57	625.10	59.591	1.1385
#1	.18805	-.00001	.00091	.00192	.00163	-.00261	1.9357
#2	.18488	.00012	-.00275	.00241	-.00029	-.00213	1.8989
#3	.18519	.00023	.00042	-.00157	-.00228	-.00607	1.8972
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00120	-.00347	.00070	.01052	L-.00824	L-.02805	L-.01165
SDev	.00462	.00110	.00052	.00229	.00982	.01032	.00342
%RSD	384.60	31.763	73.784	21.766	119.14	36.779	29.405
#1	-.00211	-.00454	.00106	.00993	-.00192	L-.03768	L-.01367
#2	.00648	-.00234	.00011	.00858	-.00325	L-.02929	L-.00769
#3	-.00077	-.00351	.00093	.01305	L-.01955	L-.01717	L-.01358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low	LC Low
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00325	.00150	.03963	44.515	41.603	15.899	4.0647
SDev	.00378	.00928	.00886	.509	.441	.189	.1351
%RSD	116.38	618.42	22.362	1.1433	1.0597	1.1863	3.3230
#1	.00480	-.00393	.04884	45.101	42.112	16.116	4.2201
#2	-.00106	-.00378	.03116	44.259	41.347	15.791	3.9983
#3	.00601	.01221	.03891	44.186	41.350	15.789	3.9757
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	133.44	.00042	-.00639	20.309	.02047	-.02620	-.00680
SDev	1.32	.00350	.00084	.246	.00349	.01570	.00281
%RSD	.98805	838.86	13.078	1.2119	17.067	59.926	41.318
#1	134.94	.00368	-.00634	20.593	.01815	-.03358	-.00617
#2	132.45	.00085	-.00558	20.180	.01877	-.00817	-.00373
#3	132.94	-.00328	-.00725	20.156	.02449	-.03684	-.00436
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.05530	.03090
SDev	.00587	.00568
%RSD	10.621	18.375
#1	-.06083	.03597
#2	-.05594	.02477
#3	-.04913	.03197
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37057	--	--	--	--	--	--
SDev	364.6780	--	--	--	--	--	--
%RSD	.9841124	--	--	--	--	--	--
#1	36636	--	--	--	--	--	--
#2	37248	--	--	--	--	--	--
#3	37286	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26788-MB1 Operator:
Run Time: 08/17/04 19:28:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00193	-.00002	-.00012	-.00078	-.00090	-.00146	.00050
SDev	.00017	.00001	.00020	.00052	.00135	.00142	.00018
%RSD	8.7669	60.706	168.88	66.532	150.67	97.250	35.794
#1	.00213	-.00001	.00010	-.00025	.00041	-.00004	.00066
#2	.00185	-.00004	-.00028	-.00129	-.00081	-.00147	.00052
#3	.00182	-.00001	-.00017	-.00080	-.00230	-.00288	.00031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00114	-.00147	-.00138	.00055	-.00100	-.00583	.00075
SDev	.00099	.00141	.00111	.00012	.00305	.00702	.00136
%RSD	87.470	95.766	80.583	21.714	304.19	120.33	180.24
#1	-.00013	-.00019	-.00262	.00064	-.00218	L-.01335	-.00062
#2	-.00211	-.00125	-.00049	.00041	-.00329	-.00469	.00209
#3	-.00117	-.00298	-.00102	.00059	.00246	.00054	.00079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00187	.00044	.00449	-.01362	.00248	-.01214	-.31637
SDev	.00034	.00129	.00666	.00334	.02792	.00852	.07497
%RSD	18.102	293.31	148.48	24.508	1127.1	70.181	23.697
#1	.00209	-.00105	.01090	-.01053	.02392	-.00437	-.27755
#2	.00203	.00118	.00497	-.01318	.01261	-.01081	-.26877
#3	.00148	.00118	-.00240	-.01716	-.02910	-.02126	-.40279
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15018	.00005	-.00417	.01338	.00227	.00048	.00041
SDev	.25914	.00488	.00384	.01217	.00992	.02368	.01040
%RSD	172.56	8904.4	92.313	90.967	437.56	4909.4	2527.3
#1	.13681	-.00507	-.00081	.00784	-.00641	-.02613	.01164
#2	-.10202	.00059	-.00332	.00496	.00013	.00833	-.00152
#3	.41574	.00465	-.00836	.02733	H.01309	.01924	-.1620
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01089	.00793
SDev	.01876	.00976
%RSD	172.21	123.11
#1	-.03186	.01875
#2	-.00511	.00527
#3	.00429	-.00023
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37627	--	--	--	--	--	--
SDev	1729.535	--	--	--	--	--	--
%RSD	4.596534	--	--	--	--	--	--
#1	36619	--	--	--	--	--	--
#2	36638	--	--	--	--	--	--
#3	39624	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26788-LC1 Operator:
Run Time: 08/17/04 19:36:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52224	.50861	.50170	.50667	.50392	.52075	.51439
SDev	.00333	.00413	.00426	.00400	.00429	.00355	.00449
%RSD	.63845	.81205	.85008	.79048	.85140	.68209	.87251
#1	.51962	.50584	.49796	.50365	.50084	.51779	.51121
#2	.52599	.51336	.50635	.51121	.50882	.52469	.51953
#3	.52111	.50663	.50079	.50515	.50209	.51979	.51245
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.40000	.40000	.40000	.40000	.40000	.40000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50646	.20219	.51841	.51208	.50972	.49760	.50100
SDev	.00486	.00113	.00453	.00519	.00071	.01168	.00797
%RSD	.95996	.55869	.87465	1.0135	.13834	2.3467	1.5905
#1	.50534	.20147	.51420	.50778	.51044	.49375	.49506
#2	.51179	.20350	.52321	.51784	.50970	.51071	.51006
#3	.50226	.20161	.51780	.51062	.50903	.48833	.49788
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.24000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.16000	.40000	.40000	.40000	.40000	.40000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48223	.50879	5.1810	5.6833	5.6785	5.8350	5.1257
SDev	.00901	.00401	.0404	.0436	.0547	.0480	.0486
%RSD	1.8683	.78788	.77982	.76738	.96258	.82337	.94739
#1	.47369	.50552	5.1532	5.6516	5.6465	5.7983	5.0963
#2	.49164	.51326	5.2273	5.7331	5.7416	5.8894	5.1818
#3	.48136	.50757	5.1624	5.6653	5.6474	5.8172	5.0991
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	6.0000	6.6000	6.6000	6.6000	6.0000
Low	.40000	.40000	4.0000	4.4000	4.4000	4.4000	4.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4815	.51836	L-.00283	H.23371	H.00128	.50534	.49851
SDev	.0130	.00385	.00043	.00357	.00208	.00420	.01059
%RSD	.23761	.74326	15.303	1.5288	161.57	.83064	2.1239
#1	5.4965	.51470	L-.00259	H.22959	L-.00069	.50580	.48938
#2	5.4750	.52238	L-.00333	H.23586	H.00109	.50929	.51012
#3	5.4729	.51801	L-.00257	H.23568	H.00345	.50093	.49[illegible]
Errors	LC Pass	LC Pass	LC Low	LC High	LC High	NOCHECK	NOCHECK

1622

High	6.0000	.60000	.00000	.00000	.00000
Low	4.0000	.40000	.00000	.00000	.00000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.48249	.48179
SDev	.01139	.00786
%RSD	2.3610	1.6314
#1	.47091	.47480
#2	.49368	.49030
#3	.48287	.48029
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36999	--	--	--	--	--	--
SDev	388.5735	--	--	--	--	--	--
%RSD	1.050229	--	--	--	--	--	--
#1	37076	--	--	--	--	--	--
#2	36578	--	--	--	--	--	--
#3	37343	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26788-S1 Operator:
Run Time: 08/17/04 19:43:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0791	.05054	.04952	.49219	.19859	.25898	1.1478
SDev	.0112	.00025	.00033	.00180	.00142	.00125	.0054
%RSD	.53891	.49139	.65850	.36555	.71582	.48294	.47294
#1	2.0806	.05053	.04939	.49110	.19856	.25995	1.1478
#2	2.0895	.05079	.04989	.49427	.20002	.25942	1.1533
#3	2.0672	.05030	.04927	.49121	.19718	.25757	1.1424
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49685	.05003	.51010	.65387	1.9857	2.0110	.48808
SDev	.00393	.00045	.00275	.00322	.0082	.0042	.00333
%RSD	.79044	.90103	.53976	.49273	.41061	.20769	.68299
#1	.49443	.04957	.51061	.65230	1.9924	2.0080	.48538
#2	.50138	.05006	.51256	.65757	1.9879	2.0158	.49180
#3	.49474	.05047	.50713	.65173	1.9766	2.0093	.48705
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9004	.50129	2.0483	69.441	1.9862	34.817	27.533
SDev	.0112	.00264	.0089	.302	.0308	.167	.147
%RSD	.59002	.52668	.43295	.43452	1.5485	.47965	.53287
#1	1.8906	.50108	2.0525	69.406	2.0001	34.843	27.594
#2	1.9126	.50403	2.0543	69.759	2.0075	34.969	27.639
#3	1.8980	.49876	2.0381	69.159	1.9510	34.638	27.365
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	37.940	.00087	-.00316	18.661	-.00030	.49138	.48605
SDev	.112	.00049	.00161	.097	.00251	.00365	.00675
%RSD	.29500	56.654	50.819	.51882	826.13	.74222	1.3885
#1	38.039	.00032	-.00450	18.676	.00115	.49538	.47989
#2	37.963	.00127	-.00359	18.750	-.00320	.48824	.49326
#3	37.819	.00103	-.00138	18.558	.00114	.49052	.48500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1624

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9257	1.8874
SDev	.0117	.0190
%RSD	.60624	1.0084
#1	1.9366	1.8672
#2	1.9272	1.9050
#3	1.9134	1.8899
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36435	--	--	--	--	--	--
SDev	190.9824	--	--	--	--	--	--
%RSD	.5241777	--	--	--	--	--	--
#1	36366	--	--	--	--	--	--
#2	36287	--	--	--	--	--	--
#3	36650	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26788-S2 Operator:
Run Time: 08/17/04 19:51:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0643	.05006	.04877	.48751	.19667	.25648	1.1421
SDev	.0115	.00034	.00060	.00421	.00174	.00162	.0073
%RSD	.55719	.68348	1.2204	.86429	.88687	.63270	.63504
#1	2.0561	.04976	.04814	.48454	.19486	.25515	1.1362
#2	2.0592	.04999	.04885	.48566	.19682	.25601	1.1399
#3	2.0774	.05043	.04932	.49233	.19834	.25829	1.1502
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49171	.04980	.50614	.64787	1.9636	1.9872	.48442
SDev	.00384	.00074	.00314	.00455	.0149	.0200	.00595
%RSD	.78039	1.4871	.62016	.70156	.75854	1.0082	1.2279
#1	.48994	.04920	.50439	.64430	1.9511	1.9657	.47759
#2	.48908	.04956	.50426	.64633	1.9595	1.9906	.48721
#3	.49612	.05063	.50976	.65299	1.9801	2.0054	.48847
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8905	.49729	2.0338	69.224	1.9758	34.688	27.501
SDev	.0205	.00706	.0112	.489	.0248	.220	.128
%RSD	1.0861	1.4194	.55088	.70610	1.2568	.63408	.46547
#1	1.8726	.48993	2.0241	68.785	1.9582	34.510	27.354
#2	1.8860	.49794	2.0313	69.135	1.9651	34.621	27.562
#3	1.9129	.50400	2.0461	69.751	2.0042	34.934	27.587
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	37.919	.00066	-.00076	18.617	.00068	.48972	.48144
SDev	.104	.00134	.00107	.109	.00193	.00729	.00526
%RSD	.27302	202.05	140.62	.58749	282.42	1.4883	1.0936
#1	37.800	.00199	-.00180	18.524	.00122	.48137	.47539
#2	37.986	.00069	-.00080	18.589	.00229	.49294	.48402
#3	37.971	-.00069	.00033	18.738	-.00146	.49484	.48498
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9107	1.8801
SDev	.0262	.0238
%RSD	1.3704	1.2645
#1	1.8807	1.8682
#2	1.9284	1.8645
#3	1.9232	1.9074
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36855	--	--	--	--	--	--
SDev	244.1363	--	--	--	--	--	--
%RSD	.6624298	--	--	--	--	--	--
#1	37076	--	--	--	--	--	--
#2	36895	--	--	--	--	--	--
#3	36593	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 19:59:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0535	2.0227	1.9621	1.9753	2.0019	2.0210	2.0080
SDev	.0043	.0048	.0026	.0058	.0047	.0046	.0046
%RSD	.20878	.23628	.13248	.29392	.23480	.22928	.22799
#1	2.0566	2.0230	1.9634	1.9737	2.0013	2.0234	2.0078
#2	2.0553	2.0273	1.9639	1.9817	2.0068	2.0240	2.0127
#3	2.0486	2.0177	1.9591	1.9704	1.9975	2.0157	2.0036
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9930	.25524	2.0367	1.9890	2.0130	2.0022	1.9591
SDev	.0031	.00023	.0046	.0050	.0050	.0159	.0108
%RSD	.15369	.09179	.22395	.25223	.24713	.79335	.54917
#1	1.9950	.25543	2.0400	1.9891	2.0105	2.0027	1.9658
#2	1.9944	.25530	2.0386	1.9940	2.0187	2.0178	1.9647
#3	1.9894	.25498	2.0315	1.9840	2.0097	1.9861	1.9467
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9894	2.0031	40.538	39.876	40.809	40.850	40.404
SDev	.0068	.0072	.081	.086	.075	.089	.029
%RSD	.33979	.35894	.20087	.21661	.18487	.21879	.07245
#1	1.9853	2.0067	40.608	39.895	40.799	40.872	40.438
#2	1.9972	2.0078	40.559	39.951	40.888	40.926	40.387
#3	1.9857	1.9949	40.449	39.782	40.738	40.752	40.387
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.764	2.0134	1.9868	5.0534	2.0037	1.9833	1.9465
SDev	.161	.0066	.0028	.0113	.0059	.0102	.0141
%RSD	.39436	.33027	.13881	.22325	.29530	.51430	.72622
#1	40.947	2.0093	1.9883	5.0602	2.0033	1.9783	1.9592
#2	40.645	2.0211	1.9885	5.0595	2.0099	1.9951	1.9491
#3	40.701	2.0099	1.9836	5.0403	1.9980	1.9766	1.9312
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9997	1.9840
SDev	.0143	.0041
%RSD	.71756	.20436
#1	1.9869	1.9842
#2	2.0152	1.9879
#3	1.9970	1.9798
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37031	--	--	--	--	--	--
SDev	126.4810	--	--	--	--	--	--
%RSD	.3415524	--	--	--	--	--	--
#1	36927	--	--	--	--	--	--
#2	36994	--	--	--	--	--	--
#3	37172	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 20:06:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00094	Q.00060	.00041	.00092	.00039	.00020	.00052
SDev	.00008	.00003	.00024	.00017	.00008	.00061	.00010
%RSD	8.7314	5.2172	59.343	18.394	19.956	301.99	18.533
#1	.00086	Q.00064	.00069	.00078	.00030	.00066	.00041
#2	.00102	Q.00061	.00030	.00089	.00042	.00043	.00060
#3	.00093	Q.00057	.00024	.00111	.00046	-.00049	.00055
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	.00008	.00021	.00064	.00219	-.00179	.00024
SDev	.00073	.00047	.00009	.00014	.00741	.00237	.00188
%RSD	3742.3	613.72	43.593	21.636	338.15	132.22	776.43
#1	-.00028	.00030	.00016	.00051	Q-.00630	.00042	.00224
#2	-.00052	.00039	.00015	.00062	Q.00554	-.00151	-.00150
#3	.00085	-.00046	.00031	.00078	Q.00734	-.00429	-.00002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00371	.00310	.01337	-.03154	.03646	.01160	-.24263
SDev	.00159	.00407	.00314	.00069	.00163	.00558	.01543
%RSD	42.926	131.21	23.515	2.1800	4.4764	48.149	6.3584
#1	.00272	-.00116	.01067	-.03112	.03744	.01291	-.22603
#2	.00287	.00351	.01682	-.03116	.03737	.01641	-.24534
#3	Q.00555	Q.00694	.01262	-.03233	.03457	.00547	-.25652
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.20398	.00276	.00038	-.01753	.00113	-.00792	.00384
SDev	.03253	.00089	.00100	.00036	.00076	.00380	.00154
%RSD	15.946	32.290	263.91	2.0626	67.146	47.982	40.127
#1	-.17105	Q.00357	.00090	-.01732	.00031	-.00536	.00555
#2	-.20479	.00181	.00101	-.01732	.00128	-.01229	.00342
#3	-.23609	.00289	-.00078	-.01795	.00181	-.00612	.00216
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00699	.00874
SDev	.00635	.00173
%RSD	90.780	19.741
#1	-.00705	.00727
#2	-.01332	.01064
#3	-.00062	.00832
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37249	--	--	--	--	--	--
SDev	102.4089	--	--	--	--	--	--
%RSD	.2749321	--	--	--	--	--	--
#1	37132	--	--	--	--	--	--
#2	37291	--	--	--	--	--	--
#3	37323	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-9 Operator:
Run Time: 08/17/04 20:14:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03762	.00017	-.00003	-.00034	-.00012	.00129	.63372
SDev	.00015	.00004	.00017	.00059	.00028	.00063	.00309
%RSD	.38813	21.264	652.14	171.67	226.33	48.990	.48777
#1	.03778	.00019	-.00017	-.00069	-.00041	.00117	.63702
#2	.03756	.00019	.00017	.00034	.00014	.00197	.63325
#3	.03751	.00013	-.00007	-.00068	-.00010	.00073	.63089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00031	-.00067	-.00088	.15524	.00093	-.00251	-.00092
SDev	.00028	.00060	.00041	.00079	.00110	.00359	.00074
%RSD	92.023	88.931	46.370	.50815	118.31	143.12	80.928
#1	-.00062	-.00086	-.00045	.15598	.00218	-.00562	-.00062
#2	-.00006	-.00000	-.00126	.15533	.00008	-.00333	-.00037
#3	-.00024	-.00115	-.00094	.15441	.00053	.00142	-.00176
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00037	.00389	-.00272	43.145	1.0012	9.1906	1.6077
SDev	.00082	.00285	.00389	.205	.0092	.0375	.0128
%RSD	218.91	73.339	143.15	.47526	.92002	.40824	.79772
#1	-.00069	.00631	-.00396	43.362	1.0094	9.2305	1.6168
#2	-.00098	.00461	.00164	43.116	1.0030	9.1852	1.6134
#3	.00056	.00074	-.00584	42.955	.99122	9.1560	1.5931
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.750	.00086	-.00161	18.274	.00111	-.00339	-.00017
SDev	.100	.00083	.00124	.083	.00429	.00149	.00085
%RSD	.85414	96.373	76.914	.45277	387.63	44.081	501.56
#1	11.788	.00040	-.00260	18.363	.00378	-.00177	-.00053
#2	11.826	.00036	-.00022	18.258	-.00384	-.00368	.00080
#3	11.636	.00182	-.00200	18.200	.00339	-.00471	-.00080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01505	.00664
SDev	.00249	.00230
%RSD	16.538	34.633
#1	-.01249	.00488
#2	-.01519	.00580
#3	-.01746	.00924
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37173	--	--	--	--	--	--
SDev	200.7196	--	--	--	--	--	--
%RSD	.5399598	--	--	--	--	--	--
#1	36979	--	--	--	--	--	--
#2	37160	--	--	--	--	--	--
#3	37380	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26788-SD1 Operator:
Run Time: 08/17/04 20:22:20
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04755	.00038	.00091	-.00046	-.00157	.00326	.64477
SDev	.00082	.00015	.00177	.00033	.00152	.00183	.00166
%RSD	1.7323	40.328	193.11	72.245	96.899	56.180	.25713
#1	.04660	.00044	-.00052	-.00065	-.00264	.00120	.64354
#2	.04809	.00021	.00289	-.00008	.00017	.00471	.64413
#3	.04796	.00050	.00038	-.00064	-.00223	.00386	.64666
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00118	-.00084	-.00240	.16519	-.00405	L-.03741	.00040
SDev	.00798	.00028	.00048	.00212	.01621	.01633	.01097
%RSD	674.24	33.355	19.940	1.2809	400.11	43.668	2719.8
#1	.00063	-.00117	-.00295	.16594	.00961	L-.03380	-.00145
#2	.00573	-.00066	-.00214	.16280	.00020	L-.05524	L-.00952
#3	-.00992	-.00070	-.00211	.16683	L-.02196	L-.02317	.01219
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00452	.01616	.01109	43.566	1.0075	9.4594	.74250
SDev	.00476	.00217	.01885	.077	.0352	.0251	.00226
%RSD	105.34	13.434	169.94	.17628	3.4969	.26532	.30479
#1	-.00221	.01851	.00397	43.638	.99498	9.4378	.74509
#2	-.00136	.01574	.03246	43.485	.98027	9.4534	.74092
#3	L-.01000	.01423	-.00316	43.574	1.0473	9.4869	.74149
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.871	.00572	-.00268	18.711	.00929	-.01722	.00677
SDev	.227	.00317	.00235	.047	.00583	.01312	.01847
%RSD	2.0846	55.331	87.851	.25015	62.765	76.202	272.59
#1	11.095	.00210	-.00343	18.759	.00735	-.00207	-.00359
#2	10.877	.00711	-.00456	18.665	.00467	-.02508	-.00419
#3	10.642	.00796	-.00004	18.709	.01584	-.02451	.02811
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.06157	.02238
SDev	.01178	.00879
%RSD	19.132	39.298
#1	-.07327	.03170
#2	-.04971	.02119
#3	-.06171	.01423
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36860	--	--	--	--	--	--
SDev	41.95509	--	--	--	--	--	--
%RSD	.1138220	--	--	--	--	--	--
#1	36881	--	--	--	--	--	--
#2	36888	--	--	--	--	--	--
#3	36812	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-10 Operator:
Run Time: 08/17/04 20:30:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01699	.00005	.00013	.00028	.00164	.05036	.31033
SDev	.00007	.00003	.00017	.00019	.00055	.00048	.00054
%RSD	.43317	64.615	138.71	70.716	33.466	.95727	.17454
#1	.01695	.00008	.00000	.00016	.00196	.05091	.31090
#2	.01708	.00005	.00032	.00016	.00100	.05004	.31028
#3	.01696	.00001	.00005	.00050	.00194	.05013	.30982
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00088	-.00040	.00243	.10220	.00032	-.00239	.00591
SDev	.00106	.00021	.00033	.00016	.00240	.00275	.00160
%RSD	120.41	53.407	13.546	.16004	744.40	115.08	27.058
#1	.00196	-.00016	.00206	.10235	.00250	-.00344	.00759
#2	-.00015	-.00047	.00254	.10223	.00072	-.00447	.00575
#3	.00081	-.00056	.00269	.10202	-.00225	.00073	.00440
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00131	.00502	.73180	65.167	3.2921	8.5116	1.6592
SDev	.00175	.00448	.00413	.120	.0135	.0177	.0070
%RSD	133.11	89.180	.56364	.18433	.41032	.20852	.42462
#1	.00037	.01017	.73520	65.303	3.3056	8.5279	1.6630
#2	.00333	.00205	.73299	65.121	3.2785	8.5142	1.6636
#3	.00024	.00285	.72721	65.076	3.2922	8.4927	1.6511
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.672	.00134	-.00129	14.952	.00263	.00220	.00728
SDev	.028	.00026	.00034	.019	.00206	.00331	.00080
%RSD	.15775	19.011	26.222	.12827	78.242	150.16	10.947
#1	17.640	.00107	-.00092	14.972	.00335	.00540	.00819
#2	17.683	.00157	-.00137	14.947	.00424	.00241	.00693
#3	17.692	.00139	-.00157	14.935	.00031	-.00120	.00615
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00783	.00556
SDev	.00263	.00154
%RSD	33.655	27.779
#1	-.00795	.00420
#2	-.00513	.00724
#3	-.01040	.00524
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36905	--	--	--	--	--	--
SDev	191.0914	--	--	--	--	--	--
%RSD	.5177918	--	--	--	--	--	--
#1	36825	--	--	--	--	--	--
#2	36767	--	--	--	--	--	--
#3	37123	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-11 Operator:
Run Time: 08/17/04 20:37:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00573	-.00000	-.00003	-.00086	-.00020	.01175	.00269
SDev	.00008	.00001	.00021	.00088	.00030	.00073	.00003
%RSD	1.4619	220.03	609.13	101.87	149.96	6.1820	1.2430
#1	.00579	.00001	-.00022	-.00106	.00014	.01247	.00273
#2	.00576	-.00001	.00019	-.00162	-.00033	.01177	.00270
#3	.00563	-.00002	-.00007	.00010	-.00041	.01101	.00266
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00151	-.00077	-.00082	.00997	.00051	-.00612	-.00013
SDev	.00122	.00032	.00034	.00087	.00342	.00359	.00282
%RSD	80.891	41.343	41.086	8.6953	674.50	58.739	2181.9
#1	.00233	-.00102	-.00093	.01093	.00435	-.00616	.00047
#2	.00011	-.00088	-.00044	.00925	-.00220	-.00250	.00234
#3	.00209	-.00041	-.00109	.00973	-.00063	-.00968	L-.00320
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00047	.00292	.01368	.16994	.16229	.01379	.13941
SDev	.00221	.00039	.00215	.00567	.00249	.00370	.02732
%RSD	469.51	13.466	15.690	3.3342	1.5366	26.865	19.598
#1	.00255	.00334	.01506	.17621	.16444	.01378	.17068
#2	-.00185	.00286	.01477	.16844	.15956	.01009	.12012
#3	.00072	.00256	.01120	.16518	.16288	.01750	.12745
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	87.104	.00243	-.00157	12.523	-.00010	-.00262	.00063
SDev	1.145	.00085	.00032	.199	.00204	.00224	.00328
%RSD	1.3148	35.131	20.228	1.5883	2122.9	85.438	522.96
#1	88.425	.00304	-.00188	12.752	-.00224	-.00342	.00192
#2	86.396	.00278	-.00124	12.409	.00182	-.00009	.00307
#3	86.492	.00145	-.00159	12.406	.00013	-.00436	-.003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01134	.00605
SDev	.00632	.00016
%RSD	55.716	2.6701
#1	-.00545	.00622
#2	-.01801	.00590
#3	-.01056	.00603
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36683	--	--	--	--	--	--
SDev	473.0752	--	--	--	--	--	--
%RSD	1.289624	--	--	--	--	--	--
#1	36140	--	--	--	--	--	--
#2	37005	--	--	--	--	--	--
#3	36905	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-12 Operator:
Run Time: 08/17/04 20:45:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05238	.00004	-.00005	.00078	.00055	.02561	.22182
SDev	.00046	.00002	.00025	.00047	.00028	.00042	.00193
%RSD	.87998	56.535	478.76	60.508	51.162	1.6281	.87187
#1	.05275	.00003	-.00012	.00122	.00047	.02609	.22358
#2	.05186	.00003	-.00026	.00085	.00031	.02530	.21975
#3	.05253	.00007	.00023	.00028	.00085	.02546	.22214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00352	-.00015	.00017	.15577	.00137	-.00957	.00131
SDev	.00052	.00049	.00026	.00090	.00231	.00270	.00301
%RSD	14.795	336.26	156.49	.57507	168.87	28.224	230.18
#1	.00411	-.00034	.00023	.15637	.00061	L-.01256	-.00178
#2	.00333	.00041	-.00012	.15474	.00396	-.00731	.00423
#3	.00312	-.00051	.00039	.15620	-.00047	-.00883	.00148
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00321	.00505	.36421	15.609	3.2069	4.5667	1.7970
SDev	.00153	.00457	.00435	.130	.0337	.0333	.0244
%RSD	47.596	90.528	1.1937	.83353	1.0508	.72841	1.3595
#1	.00440	.00294	.36820	15.711	3.2398	4.5959	1.8123
#2	.00374	.01030	.35957	15.462	3.1724	4.5305	1.7688
#3	.00149	.00191	.36484	15.652	3.2084	4.5737	1.8099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.755	.00087	-.00142	11.606	.00060	-.00424	.00359
SDev	.202	.00119	.00080	.094	.00226	.00229	.00413
%RSD	1.2080	135.82	56.487	.81248	374.68	54.056	115.00
#1	16.760	-.00025	-.00072	11.686	-.00160	-.00639	.00002
#2	16.551	.00076	-.00125	11.502	.00049	-.00451	.00813
#3	16.955	.00211	-.00230	11.629	.00292	-.00183	.00263
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00942	.00919
SDev	.00570	.00146
%RSD	60.541	15.859
#1	-.00312	.00783
#2	-.01089	.01073
#3	-.01424	.00902
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36549	--	--	--	--	--	--
SDev	370.4836	--	--	--	--	--	--
%RSD	1.013676	--	--	--	--	--	--
#1	36174	--	--	--	--	--	--
#2	36914	--	--	--	--	--	--
#3	36558	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-13 Operator:
Run Time: 08/17/04 20:53:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01263	-.00001	-.00026	-.00013	.00006	.06242	.00159
SDev	.00007	.00001	.00024	.00061	.00029	.00084	.00005
%RSD	.57254	88.816	94.698	483.28	459.75	1.3469	3.0511
#1	.01262	-.00001	-.00014	.00034	-.00024	.06151	.00163
#2	.01271	-.00001	-.00054	-.00082	.00034	.06257	.00159
#3	.01257	.00000	-.00009	.00010	.00009	.06318	.00153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00087	-.00041	-.00031	.03047	-.00037	-.00570	.00437
SDev	.00029	.00024	.00042	.00033	.00693	.00464	.00205
%RSD	33.045	57.491	135.09	1.0875	1859.0	81.431	46.826
#1	-.00092	-.00068	-.00025	.03019	.00663	-.00234	.00242
#2	-.00112	-.00032	.00008	.03084	L-.00724	L-.01100	.00420
#3	-.00055	-.00023	-.00075	.03037	-.00051	-.00376	.00650
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00155	.00480	-.00915	6.9001	.19855	1.7696	.40898
SDev	.00178	.00078	.00252	.0292	.01063	.0085	.00776
%RSD	114.62	16.234	27.552	.42296	5.3532	.47852	1.8983
#1	.00289	.00521	-.01092	6.8780	.20792	1.7631	.40255
#2	-.00046	.00391	-.00626	6.9332	.18700	1.7792	.41760
#3	.00222	.00529	-.01026	6.8890	.20072	1.7665	.40678
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.8009	.00161	-.00097	16.416	.00139	.00140	.00536
SDev	.0372	.00059	.00099	.061	.00243	.00382	.00158
%RSD	.42218	36.582	101.34	.37428	174.34	273.39	29.497
#1	8.8431	.00221	-.00185	16.394	.00256	-.00296	.00461
#2	8.7862	.00161	-.00117	16.486	.00302	.00301	.00421
#3	8.7733	.00103	.00010	16.369	-.00140	.00415	.00718
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00875	.00637
SDev	.00474	.00155
%RSD	54.215	24.399
#1	-.00343	.00573
#2	-.01253	.00524
#3	-.01028	.00814
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36471	--	--	--	--	--	--
SDev	120.4324	--	--	--	--	--	--
%RSD	.3302147	--	--	--	--	--	--
#1	36546	--	--	--	--	--	--
#2	36332	--	--	--	--	--	--
#3	36535	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-14 Operator:
Run Time: 08/17/04 21:00:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.26004	-.00003	-.00026	-.00052	.00017	.00646	.10810
SDev	.00040	.00001	.00021	.00056	.00025	.00032	.00008
%RSD	.15314	25.358	81.923	108.79	149.52	4.9690	.07094
#1	.25998	-.00002	-.00026	.00012	-.00008	.00683	.10804
#2	.26046	-.00003	-.00005	-.00095	.00017	.00623	.10809
#3	.25967	-.00002	-.00047	-.00072	.00042	.00633	.10819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00106	-.00035	-.00029	.00878	-.00195	-.00799	.00056
SDev	.00036	.00032	.00061	.00037	.00138	.00233	.00132
%RSD	33.768	93.670	214.25	4.1936	70.818	29.097	235.81
#1	.00066	-.00067	-.00046	.00837	-.00305	L-.01040	-.00068
#2	.00119	-.00002	-.00079	.00889	-.00239	-.00576	.00194
#3	.00135	-.00034	.00040	.00908	-.00040	-.00781	.00042
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	.00279	.01021	40.771	.04894	5.6086	1.0700
SDev	.00143	.00210	.00192	.102	.00936	.0128	.0040
%RSD	766.42	75.320	18.812	.25139	19.120	.22755	.37349
#1	-.00144	.00082	.01241	40.654	.03826	5.5945	1.0654
#2	.00124	.00499	.00931	40.845	.05286	5.6192	1.0728
#3	.00076	.00254	.00890	40.814	.05571	5.6122	1.0717
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.803	.00047	-.00146	20.419	.00114	-.00102	.00084
SDev	.163	.00045	.00082	.034	.00179	.00123	.00144
%RSD	.91500	95.150	55.831	.16417	156.60	120.41	170.80
#1	17.746	.00045	-.00099	20.382	-.00043	-.00241	-.00032
#2	17.676	.00094	-.00099	20.448	.00308	-.00008	.00244
#3	17.987	.00004	-.00241	20.427	.00077	-.00057	.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01127	.00558
SDev	.00193	.00253
%RSD	17.126	45.444
#1	-.01044	.00272
#2	-.00989	.00647
#3	-.01347	.00754
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35501	--	--	--	--	--	--
SDev	16.40202	--	--	--	--	--	--
%RSD	.0462022	--	--	--	--	--	--
#1	35501	--	--	--	--	--	--
#2	35517	--	--	--	--	--	--
#3	35484	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-15 Operator:
Run Time: 08/17/04 21:08:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01488	.00002	.00033	.00040	.00063	.07587	.00168
SDev	.00019	.00005	.00085	.00153	.00160	.00076	.00019
%RSD	1.3036	198.38	257.60	378.60	252.93	1.0054	11.108
#1	.01494	.00007	.00128	.00216	.00248	.07559	.00190
#2	.01467	.00000	.00008	-.00059	-.00023	.07529	.00159
#3	.01505	-.00001	-.00037	-.00036	-.00035	.07674	.00155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00146	.00042	.00028	.05623	.00301	-.00675	.00383
SDev	.00188	.00160	.00127	.00118	.00289	.00430	.00227
%RSD	128.97	382.87	445.83	2.0935	95.932	63.608	59.313
#1	.00362	.00224	.00170	.05759	.00627	-.00224	.00645
#2	.00021	-.00022	-.00010	.05562	.00196	L-.01079	.00263
#3	.00054	-.00077	-.00075	.05548	.00080	-.00724	.00241
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00131	.00790	-.00145	6.7131	.18481	1.7298	.41587
SDev	.00194	.00392	.00979	.0333	.01868	.0117	.00466
%RSD	147.81	49.672	674.39	.49649	10.108	.67614	1.1199
#1	.00202	.01230	.00932	6.7367	.19864	1.7361	.42076
#2	.00279	.00479	-.00387	6.6750	.16356	1.7163	.41149
#3	-.00088	.00660	-.00980	6.7277	.19222	1.7370	.41537
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.0111	-.00040	.00246	16.124	-.00128	-.00662	.00856
SDev	.2148	.00172	.00571	.081	.00441	.00912	.00430
%RSD	2.3839	432.88	231.82	.49954	345.51	137.85	50.184
#1	9.2571	.00022	.00905	16.066	-.00307	-.00234	.01035
#2	8.9150	.00093	-.00071	16.089	.00375	-.00042	.00366
#3	8.8610	-.00234	-.00095	16.216	-.00450	-.01710	.01167
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01391	.00859
SDev	.00876	.00254
%RSD	63.010	29.594
#1	-.01657	.01098
#2	-.00412	.00592
#3	-.02104	.00887
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36474	--	--	--	--	--	--
SDev	383.4029	--	--	--	--	--	--
%RSD	1.051164	--	--	--	--	--	--
#1	36906	--	--	--	--	--	--
#2	36341	--	--	--	--	--	--
#3	36175	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26789-MB1 Operator:
Run Time: 08/17/04 21:16:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00180	-.00001	-.00011	-.00044	-.00041	.00109	-.00013
SDev	.00018	.00001	.00013	.00025	.00035	.00022	.00010
%RSD	10.259	85.432	120.55	56.095	86.263	20.153	80.508
#1	.00196	-.00000	-.00006	-.00036	-.00063	.00123	-.00005
#2	.00160	-.00001	-.00001	-.00024	-.00059	.00121	-.00024
#3	.00185	-.00002	-.00025	-.00072	-.00000	.00084	-.00009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00055	-.00006	-.00053	.00019	-.00136	-.00250	.00049
SDev	.00005	.00036	.00049	.00041	.00076	.00299	.00137
%RSD	9.4058	632.70	92.573	214.44	55.974	119.91	278.10
#1	-.00058	-.00044	.00004	.00027	-.00221	-.00005	-.00094
#2	-.00058	-.00000	-.00082	.00056	-.00111	-.00161	.00178
#3	-.00049	.00027	-.00081	-.00025	-.00075	-.00583	.00064
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00095	.00347	-.02624	-.03052	.01489	-.01452	-.24196
SDev	.00139	.00039	.00351	.00025	.01292	.00517	.00305
%RSD	146.81	11.326	13.363	.81369	86.803	35.576	1.2592
#1	-.00062	.00328	-.02585	-.03029	.02230	-.01942	-.24511
#2	.00205	.00392	-.02295	-.03079	-.00003	-.01502	-.24175
#3	.00142	.00321	-.02993	-.03047	.02239	-.00912	-.23903
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03443	.00004	-.00165	.00881	-.00009	-.00194	.00120
SDev	.03886	.00095	.00055	.00135	.00083	.00299	.00067
%RSD	112.86	2606.2	33.377	15.336	913.23	154.25	55.750
#1	.01899	-.00100	-.00145	.00958	.00086	-.00470	.00043
#2	.07864	.00024	-.00227	.00961	-.00052	.00123	.00155
#3	.00567	.00087	-.00122	.00725	-.00062	-.00234	.00166
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00938	.00578
SDev	.00525	.00257
%RSD	55.934	44.481
#1	-.01064	.00406
#2	-.00362	.00454
#3	-.01388	.00873
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35651	--	--	--	--	--	--
SDev	59.63161	--	--	--	--	--	--
%RSD	.1672652	--	--	--	--	--	--
#1	35662	--	--	--	--	--	--
#2	35704	--	--	--	--	--	--
#3	35586	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 21:23:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0704	Q2.1062	2.0429	2.0794	2.0634	2.0773	2.0805
SDev	.0391	.0360	.0320	.0361	.0360	.0377	.0358
%RSD	1.8898	1.7104	1.5688	1.7362	1.7467	1.8166	1.7188
#1	Q2.1095	Q2.1411	2.0732	Q2.1156	2.0993	Q2.1156	Q2.1157
#2	2.0705	Q2.1083	2.0463	2.0792	2.0636	2.0763	2.0815
#3	2.0312	2.0692	2.0094	2.0434	2.0272	2.0401	2.0442
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	T11908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0495	.26173	2.0244	2.0669	2.0451	2.0201	2.0495
SDev	.0328	.00347	.0352	.0331	.0377	.0332	.0319
%RSD	1.5980	1.3252	1.7396	1.5992	1.8443	1.6419	1.5553
#1	2.0799	Q.26543	2.0597	2.0986	2.0748	2.0537	2.0822
#2	2.0537	.26120	2.0242	2.0694	2.0579	2.0192	2.0476
#3	2.0148	.25855	1.9893	2.0327	2.0027	1.9873	2.0185
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0513	2.0867	41.373	41.356	41.482	41.477	41.732
SDev	.0400	.0317	.717	.715	.717	.689	.680
%RSD	1.9491	1.5177	1.7340	1.7297	1.7279	1.6613	1.6294
#1	2.0944	Q2.1100	Q42.083	Q42.055	Q42.190	Q42.152	Q42.403
#2	2.0441	2.0993	41.386	41.388	41.500	41.506	41.750
#3	2.0154	2.0506	40.649	40.625	40.757	40.775	41.043
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.859	2.0364	2.0559	5.1949	2.0234	2.0790	2.0342
SDev	.510	.0357	.0340	.0893	.0329	.0486	.0241
%RSD	1.2184	1.7511	1.6547	1.7195	1.6240	2.3395	1.1841
#1	Q42.323	2.0722	2.0901	Q5.2821	2.0535	2.1324	2.0566
#2	41.941	2.0362	2.0555	5.1991	2.0284	2.0675	2.0372
#3	41.313	2.0009	2.0221	5.1036	1.9883	2.0372	2.0087
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0759	2.0386
SDev	.0528	.0336
%RSD	2.5430	1.6475
#1	2.1333	2.0746
#2	2.0649	2.0333
#3	2.0294	2.0080
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35525	--	--	--	--	--	--
SDev	636.8590	--	--	--	--	--	--
%RSD	1.792730	--	--	--	--	--	--
#1	34815	--	--	--	--	--	--
#2	35711	--	--	--	--	--	--
#3	36047	--	--	--	--	--	--

Method: EPA3 | Sample Name: CCB | Operator:
Run Time: 08/17/04 21:41:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00054	.00006	.00017	-.00024	-.00058	.00096	-.00012
SDev	.00007	.00004	.00021	.00031	.00037	.00039	.00002
%RSD	12.894	55.512	128.74	125.35	63.747	40.493	20.052
#1	.00052	.00010	.00013	-.00036	-.00038	.00128	-.00014
#2	.00048	.00007	-.00003	.00010	-.00036	.00106	-.00010
#3	.00062	.00003	.00039	-.00048	-.00101	.00053	-.00010
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	.00004	-.00053	-.00011	-.00359	-.00622	-.00230
SDev	.00068	.00016	.00064	.00018	.00141	.00549	.00141
%RSD	279.03	350.44	121.14	161.47	39.355	88.312	61.381
#1	.00049	-.00008	.00021	-.00031	-.00196	-.00952	Q-.00353
#2	-.00084	.00022	-.00098	.00002	-.00430	-.00927	-.00076
#3	-.00038	-.00001	-.00082	-.00004	-.00451	.00012	-.00262
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00034	-.00068	Q-.03315	-.04593	.01630	-.00949	-.20757
SDev	.00118	.00336	.00223	.00018	.01122	.00493	.02475
%RSD	347.61	495.61	6.7285	.39234	68.807	51.975	11.922
#1	.00128	-.00006	Q-.03115	-.04573	.01800	-.00765	-.17900
#2	.00073	.00233	Q-.03275	-.04609	.02658	-.00574	-.22229
#3	-.00099	-.00430	Q-.03556	-.04596	.00434	-.01507	-.22141
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.18660	.00087	-.00126	-.01507	.00073	-.00431	-.00180
SDev	.02746	.00013	.00061	.00384	.00140	.00153	.00209
%RSD	14.716	15.312	48.711	25.518	190.50	35.533	115.94
#1	-.15911	.00073	-.00063	-.01064	.00077	-.00575	-.00293
#2	-.18665	.00089	-.00128	-.01753	-.00068	-.00448	.00061
#3	-.21403	.00099	-.00186	-.01704	.00212	-.00270	-.00308
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00758	.00397
SDev	.00195	.00082
%RSD	25.749	20.642
#1	-.00580	.00448
#2	-.00727	.00440
#3	-.00967	.00302
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36131	--	--	--	--	--	--
SDev	473.0193	--	--	--	--	--	--
%RSD	1.309161	--	--	--	--	--	--
#1	35586	--	--	--	--	--	--
#2	36434	--	--	--	--	--	--
#3	36374	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26789-LC1 Operator:
Run Time: 08/17/04 21:49:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52755	.52326	.51434	.52693	.51380	.53500	.52713
SDev	.00104	.00189	.00272	.00122	.00214	.00121	.00097
%RSD	.19677	.36204	.52973	.23232	.41684	.22561	.18459
#1	.52871	.52315	.51436	.52710	.51391	.53615	.52705
#2	.52670	.52520	.51705	.52806	.51588	.53374	.52813
#3	.52724	.52142	.51160	.52563	.51160	.53511	.52619
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.40000	.40000	.40000	.40000	.40000	.40000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51687	.20631	.51073	.52143	.51186	.50751	.51179
SDev	.00209	.00037	.00085	.00225	.00075	.00447	.00405
%RSD	.40476	.17717	.16538	.43107	.14595	.88109	.79049
#1	.51928	.20589	.51054	.52177	.51169	.51001	.50946
#2	.51549	.20655	.51165	.52349	.51268	.50234	.51646
#3	.51584	.20649	.50999	.51903	.51121	.51017	.50945
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.24000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.16000	.40000	.40000	.40000	.40000	.40000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48575	.52476	5.2526	5.8274	5.6545	5.8701	5.3513
SDev	.00238	.00221	.0030	.0167	.0246	.0044	.0084
%RSD	.49090	.42068	.05720	.28607	.43448	.07475	.15687
#1	.48768	.52730	5.2494	5.8261	5.6667	5.8731	5.3423
#2	.48648	.52366	5.2533	5.8446	5.6705	5.8722	5.3525
#3	.48308	.52331	5.2553	5.8114	5.6262	5.8651	5.3590
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	6.0000	6.6000	6.6000	6.6000	6.0000
Low	.40000	.40000	4.0000	4.4000	4.4000	4.4000	4.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7220	.51819	L-.00355	H.12325	L-.00004	.51236	.51101
SDev	.0466	.00159	.00121	.00259	.00099	.00460	.00480
%RSD	.81520	.30637	33.910	2.1033	2741.2	.89840	.93912
#1	5.7603	.51705	L-.00426	H.12097	L-.00117	.50719	.51009
#2	5.6701	.52001	L-.00216	H.12607	H.00067	.51600	.51619
#3	5.7358	.51752	L-.00424	H.12271	H.00039	.51391	.50673
Errors	LC Pass	LC Pass	LC Low	LC High	LC Low	NOCHECK	NOCHECK

High	6.0000	.60000	.00000	.00000	.00000
Low	4.0000	.40000	.00000	.00000	.00000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.47931	.48863
SDev	.00141	.00287
%RSD	.29404	.58843
#1	.48056	.49090
#2	.47960	.48959
#3	.47778	.48540
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35682	--	--	--	--	--	--
SDev	122.5239	--	--	--	--	--	--
%RSD	.3433812	--	--	--	--	--	--
#1	35675	--	--	--	--	--	--
#2	35562	--	--	--	--	--	--
#3	35807	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26789-S1 Operator:
Run Time: 08/17/04 21:57:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1079	.05234	.05125	.51521	.20402	.26889	1.1904
SDev	.0039	.00007	.00058	.00077	.00111	.00034	.0013
%RSD	.18496	.12844	1.1235	.14914	.54146	.12581	.10521
#1	2.1065	.05226	.05078	.51497	.20275	.26850	1.1889
#2	2.1050	.05236	.05107	.51460	.20465	.26903	1.1912
#3	2.1124	.05239	.05189	.51607	.20467	.26913	1.1909
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50660	.05173	.50437	.66494	2.0073	2.0149	.50756
SDev	.00122	.00014	.00028	.00036	.0053	.0139	.00163
%RSD	.24073	.26361	.05497	.05385	.26401	.68785	.32051
#1	.50539	.05183	.50441	.66453	2.0044	2.0066	.50579
#2	.50657	.05158	.50407	.66509	2.0135	2.0309	.50900
#3	.50783	.05179	.50462	.66520	2.0042	2.0072	.50789
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9487	.52087	2.0746	71.943	1.9820	35.549	28.932
SDev	.0061	.00400	.0063	.058	.0032	.025	.145
%RSD	.31446	.76837	.30186	.08100	.16014	.07099	.49989
#1	1.9544	.51628	2.0758	71.893	1.9796	35.521	28.922
#2	1.9422	.52360	2.0678	71.930	1.9808	35.569	28.793
#3	1.9494	.52273	2.0802	72.007	1.9856	35.557	29.082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	39.769	.00112	-.00250	19.345	.00148	.50625	.50776
SDev	.123	.00031	.00059	.018	.00056	.00534	.00466
%RSD	.30902	28.023	23.438	.09186	37.764	1.0547	.91810
#1	39.632	.00131	-.00312	19.359	.00200	.50880	.50387
#2	39.806	.00076	-.00243	19.325	.00089	.50012	.50557
#3	39.869	.00128	-.00196	19.351	.00154	.50984	.50649
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9626	1.9413
SDev	.0068	.0065
%RSD	.34722	.33399
#1	1.9658	1.9483
#2	1.9548	1.9355
#3	1.9673	1.9401
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35276	--	--	--	--	--	--
SDev	90.30464	--	--	--	--	--	--
%RSD	.2559965	--	--	--	--	--	--
#1	35380	--	--	--	--	--	--
#2	35225	--	--	--	--	--	--
#3	35222	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26789-S2 Operator:
Run Time: 08/17/04 22:04:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1454	.05391	.05251	.53148	.20972	.27277	1.2297
SDev	.0542	.00152	.00148	.01504	.00632	.00801	.0340
%RSD	2.5260	2.8230	2.8275	2.8295	3.0152	2.9371	2.7667
#1	2.1083	.05287	.05140	.52224	.20523	.26798	1.2073
#2	2.1203	.05320	.05193	.52337	.20698	.26831	1.2129
#3	2.2076	.05565	.05420	.54883	.21695	.28202	1.2688
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52461	.05309	.51787	.68711	2.0685	2.0710	.52054
SDev	.01525	.00177	.01469	.01890	.0546	.0604	.01210
%RSD	2.9068	3.3329	2.8367	2.7501	2.6397	2.9150	2.3254
#1	.51600	.05238	.50925	.67529	2.0333	2.0375	.51356
#2	.51561	.05179	.50953	.67714	2.0407	2.0349	.51354
#3	.54222	.05511	.53483	.70890	2.1314	2.1407	.53452
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9978	.53364	2.1097	76.228	2.0454	38.155	30.978
SDev	.0435	.01350	.0560	2.248	.0578	1.061	.774
%RSD	2.1783	2.5294	2.6521	2.9495	2.8242	2.7798	2.4984
#1	1.9724	.52723	2.0719	74.738	2.0116	37.455	30.382
#2	1.9731	.52453	2.0834	75.133	2.0125	37.634	30.698
#3	2.0481	.54915	2.1740	78.815	2.1121	39.375	31.852
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.040	.00112	-.00260	19.890	-.00173	.52017	.52027
SDev	1.115	.00039	.00179	.519	.00295	.00959	.01345
%RSD	2.6512	34.707	68.891	2.6079	170.80	1.8439	2.5861
#1	41.329	.00114	-.00252	19.551	-.00273	.51500	.51234
#2	41.466	.00072	-.00443	19.631	-.00404	.51428	.51266
#3	43.324	.00150	-.00085	20.487	.00159	.53124	.53580
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0052	1.9938
SDev	.0378	.0468
%RSD	1.8857	2.3481
#1	1.9902	1.9631
#2	1.9772	1.9706
#3	2.0482	2.0477
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34872	--	--	--	--	--	--
SDev	911.3628	--	--	--	--	--	--
%RSD	2.613452	--	--	--	--	--	--
#1	35471	--	--	--	--	--	--
#2	35322	--	--	--	--	--	--
#3	33823	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-9F Operator:
Run Time: 08/17/04 22:12:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04124	.00003	-.00002	.00050	.00018	.00164	.66837
SDev	.00020	.00003	.00049	.00043	.00044	.00057	.00153
%RSD	.47449	77.640	2010.2	85.527	250.43	34.777	.22895
#1	.04120	.00006	.00004	.00085	-.00016	.00189	.66706
#2	.04146	.00002	.00043	.00003	.00002	.00099	.67005
#3	.04107	.00002	-.00055	.00062	.00068	.00204	.66800
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00057	.00016	-.00049	.15473	-.00345	-.00392	.00123
SDev	.00093	.00003	.00035	.00048	.00427	.00223	.00209
%RSD	162.70	20.848	71.065	.31164	123.51	56.876	169.66
#1	.00022	.00019	-.00010	.15503	.00120	-.00223	-.00116
#2	-.00034	.00014	-.00061	.15500	L-.00719	-.00645	.00216
#3	-.00159	.00014	-.00077	.15418	-.00437	-.00309	.00270
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00210	.00435	-.01278	45.243	.99533	9.5476	1.8393
SDev	.00123	.00143	.00291	.113	.00781	.0158	.0104
%RSD	58.601	32.855	22.793	.25066	.78460	.16570	.56284
#1	.00254	.00577	-.00946	45.131	.99011	9.5310	1.8315
#2	.00305	.00437	-.01491	45.358	.99157	9.5626	1.8510
#3	.00071	.00291	-.01398	45.240	1.0043	9.5492	1.8353
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.596	.00057	-.00085	19.180	.00094	-.00052	.00160
SDev	.123	.00170	.00080	.048	.00224	.00257	.00216
%RSD	.97952	295.19	94.009	.25137	239.67	498.19	135.49
#1	12.497	-.00114	-.00017	19.133	-.00071	-.00320	-.00065
#2	12.734	.00226	-.00173	19.230	.00349	.00191	.00177
#3	12.557	.00060	-.00065	19.179	.00003	-.00025	.00317
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00901	.00731
SDev	.00271	.00110
%RSD	30.048	15.046
#1	-.00999	.00846
#2	-.00595	.00721
#3	-.01109	.00627
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35265	--	--	--	--	--	--
SDev	166.7584	--	--	--	--	--	--
%RSD	.4728784	--	--	--	--	--	--
#1	35413	--	--	--	--	--	--
#2	35084	--	--	--	--	--	--
#3	35297	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26789-SD1 Operator:
Run Time: 08/17/04 22:20:11
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05179	-.00003	.00018	.00175	.00119	.00872	.66399
SDev	.00089	.00009	.00258	.00581	.00603	.00572	.00305
%RSD	1.7276	273.81	1453.4	331.33	509.00	65.636	.45944
#1	.05229	.00004	.00286	.00824	.00798	.01492	.66685
#2	.05076	-.00013	-.00230	-.00001	-.00087	.00363	.66078
#3	.05232	-.00001	-.00002	-.00297	-.00355	.00761	.66434
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00134	.00367	-.00288	.15837	L-.01219	L-.01486	.00055
SDev	.00619	.00783	.00386	.00149	.01242	.00103	.00255
%RSD	460.05	213.32	133.99	.94158	101.86	6.8964	462.68
#1	.00445	.01267	-.00625	.15787	L-.02577	L-.01373	.00045
#2	-.00786	-.00153	-.00373	.15720	-.00141	L-.01573	-.00195
#3	-.00062	-.00014	.00133	.16005	L-.00939	L-.01513	.00315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00315	.00784	-.09338	44.632	.93353	9.6200	1.0616
SDev	.00757	.02234	.02051	.238	.02026	.0843	.0581
%RSD	240.31	285.05	21.960	.53411	2.1705	.87662	5.4726
#1	L-.00941	.03332	-.07313	44.902	.91643	9.7173	1.1284
#2	L-.00530	L-.00840	-.11413	44.451	.95591	9.5707	1.0236
#3	.00526	-.00141	-.09290	44.543	.92825	9.5718	1.0327
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.117	.00072	.00578	19.184	.00935	-.00249	-.00044
SDev	1.392	.00387	.03071	.041	.00464	.01403	.00636
%RSD	11.485	537.73	531.77	.21321	49.652	562.19	1443.3
#1	13.671	-.00323	.04114	19.229	.01438	-.01731	.00682
#2	10.985	.00450	-.01422	19.148	.00843	-.00075	-.00506
#3	11.695	.00089	-.00959	19.177	.00523	.01057	-.00308
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.02647	.00683
SDev	.02974	.00617
%RSD	112.36	90.267
#1	-.04004	.00423
#2	-.04699	.01387
#3	.00764	.00239
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35775	--	--	--	--	--	--
SDev	110.8029	--	--	--	--	--	--
%RSD	.3097200	--	--	--	--	--	--
#1	35886	--	--	--	--	--	--
#2	35776	--	--	--	--	--	--
#3	35664	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-10F Operator:
Run Time: 08/17/04 22:27:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00931	-.00002	.00003	.00004	-.00004	.00549	.01148
SDev	.00011	.00002	.00059	.00039	.00074	.00024	.00005
%RSD	1.1711	113.67	2182.4	969.27	1900.3	4.4687	.45557
#1	.00935	-.00002	-.00056	-.00024	-.00079	.00562	.01150
#2	.00940	.00000	.00061	.00048	.00068	.00565	.01153
#3	.00919	-.00004	.00003	-.00012	-.00000	.00521	.01143
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00205	-.00028	-.00030	.06188	-.00255	-.00315	.00100
SDev	.00174	.00061	.00059	.00019	.00369	.00161	.00087
%RSD	84.951	218.86	196.40	.31163	144.29	51.211	87.432
#1	.00239	-.00010	.00038	.06166	-.00266	-.00379	.00049
#2	.00016	.00022	-.00064	.06202	L-.00618	-.00132	.00050
#3	.00359	-.00095	-.00064	.06196	.00119	-.00434	.00201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00263	.00427	-.01940	59.883	.01662	7.7508	1.6123
SDev	.00235	.00389	.00622	.365	.00890	.0429	.0226
%RSD	89.279	91.191	32.074	.61014	53.551	.55361	1.3998
#1	.00304	.00237	-.01739	59.484	.02659	7.7022	1.5894
#2	.00474	.00875	-.01443	60.200	.00947	7.7833	1.6346
#3	.00010	.00169	-.02637	59.967	.01381	7.7669	1.6127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.882	.00104	-.00166	14.425	-.00006	-.00222	.00210
SDev	.252	.00147	.00115	.088	.00037	.00435	.00108
%RSD	1.4117	140.59	69.449	.61212	595.54	196.52	51.537
#1	17.634	.00225	-.00111	14.325	-.00043	-.00290	.00168
#2	17.871	.00146	-.00088	14.491	.00031	-.00619	.00333
#3	18.139	-.00059	-.00298	14.461	-.00006	.00244	.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00977	.00849
SDev	.00269	.00349
%RSD	27.484	41.111
#1	-.01267	.01056
#2	-.00736	.01046
#3	-.00929	.00446
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35487	--	--	--	--	--	--
SDev	159.3605	--	--	--	--	--	--
%RSD	.4490715	--	--	--	--	--	--
#1	35545	--	--	--	--	--	--
#2	35306	--	--	--	--	--	--
#3	35609	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-11F Operator:
Run Time: 08/17/04 22:35:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00296	-.00005	-.00010	-.00015	-.00026	.00871	.00021
SDev	.00013	.00001	.00025	.00082	.00055	.00107	.00006
%RSD	4.4754	20.958	253.40	545.62	209.53	12.243	26.660
#1	.00296	-.00005	-.00027	.00013	-.00023	.00938	.00026
#2	.00283	-.00003	-.00022	-.00107	-.00083	.00748	.00015
#3	.00309	-.00005	.00019	.00049	.00027	.00926	.00021
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	-.00030	-.00064	.01074	-.00080	-.00057	-.00171
SDev	.00236	.00050	.00076	.00028	.00312	.00481	.00036
%RSD	869.86	167.67	118.88	2.6387	388.08	838.56	20.892
#1	-.00217	-.00011	.00023	.01073	-.00346	-.00311	-.00193
#2	-.00102	-.00087	-.00099	.01047	.00263	-.00359	-.00190
#3	.00238	.00008	-.00115	.01103	-.00157	.00498	-.00130
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	.00298	-.02084	.23398	.01199	.01674	.15373
SDev	.00151	.00244	.00663	.00436	.01193	.00927	.02524
%RSD	696.94	81.903	31.807	1.8627	99.501	55.387	16.416
#1	.00110	.00017	-.01913	.23899	.02377	.02486	.16270
#2	.00012	.00419	-.02816	.23108	-.00008	.00664	.12524
#3	-.00187	.00458	-.01523	.23186	.01228	.01873	.17326
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	90.240	.00321	-.00101	12.702	.00055	-.00457	-.00080
SDev	.524	.00049	.00124	.118	.00064	.00324	.00129
%RSD	.58058	15.443	123.70	.92763	115.65	70.892	161.61
#1	90.419	.00376	-.00150	12.742	.00105	-.00820	.00069
#2	89.649	.00305	-.00192	12.569	.00077	-.00349	-.00162
#3	90.650	.00281	.00041	12.794	-.00017	-.00200	-.0011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00832	.00349
SDev	.00382	.00133
%RSD	45.930	38.121
#1	-.00393	.00326
#2	-.01015	.00492
#3	-.01087	.00229
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35181	--	--	--	--	--	--
SDev	367.3908	--	--	--	--	--	--
%RSD	1.044293	--	--	--	--	--	--
#1	34981	--	--	--	--	--	--
#2	35605	--	--	--	--	--	--
#3	34957	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-12F Operator:
Run Time: 08/17/04 22:43:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05079	.00003	.00003	.00043	-.00032	.02015	.21557
SDev	.00012	.00002	.00007	.00040	.00022	.00108	.00081
%RSD	.22568	57.984	270.02	93.162	67.061	5.3335	.37379
#1	.05088	.00001	-.00005	.00014	-.00053	.02043	.21648
#2	.05084	.00004	.00009	.00088	-.00009	.02106	.21528
#3	.05066	.00005	.00005	.00026	-.00035	.01896	.21494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00312	-.00028	-.00077	.14742	-.00171	-.00068	.00101
SDev	.00049	.00040	.00065	.00064	.00464	.00214	.00150
%RSD	15.841	140.46	84.785	.43353	272.00	316.55	147.77
#1	.00304	-.00061	-.00049	.14815	L-.00707	-.00114	.00272
#2	.00364	-.00040	-.00152	.14699	.00099	-.00254	.00039
#3	.00266	.00016	-.00031	.14711	.00096	.00166	-.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00391	.00458	-.02311	15.373	.40331	4.4733	1.8532
SDev	.00070	.00086	.00271	.045	.00905	.0085	.0113
%RSD	17.871	18.812	11.742	.29327	2.2440	.19032	.60909
#1	.00390	.00454	-.02601	15.423	.39722	4.4822	1.8479
#2	.00461	.00375	-.02063	15.361	.41371	4.4727	1.8662
#3	.00321	.00547	-.02271	15.335	.39901	4.4652	1.8455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.874	.00021	-.00193	10.915	.00110	-.00398	.00299
SDev	.079	.00049	.00102	.042	.00302	.00194	.00141
%RSD	.46680	238.29	53.057	.38540	275.12	48.584	47.106
#1	16.785	.00078	-.00296	10.954	.00362	-.00209	.00461
#2	16.901	-.00008	-.00190	10.921	.00192	-.00390	.00202
#3	16.935	-.00008	-.00092	10.870	-.00225	-.00596	.00231
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01186	.01145
SDev	.00557	.00381
%RSD	46.949	33.316
#1	-.01044	.01073
#2	-.01800	.01557
#3	-.00714	.00804
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34675	--	--	--	--	--	--
SDev	113.7135	--	--	--	--	--	--
%RSD	.3279364	--	--	--	--	--	--
#1	34752	--	--	--	--	--	--
#2	34545	--	--	--	--	--	--
#3	34730	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-13F Operator:
Run Time: 08/17/04 22:50:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01499	-.00002	-.00011	-.00036	.00002	.04843	.00156
SDev	.00010	.00003	.00007	.00036	.00032	.00016	.00006
%RSD	.67237	197.71	66.138	101.90	1609.5	.34012	3.5518
#1	.01511	.00001	-.00020	.00001	.00003	.04843	.00159
#2	.01495	-.00005	-.00006	-.00072	-.00031	.04859	.00160
#3	.01492	-.00001	-.00008	-.00036	.00034	.04826	.00150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00161	-.00020	-.00155	.03732	.00414	L-.01174	.00197
SDev	.00076	.00010	.00327	.00033	.00269	.01011	.00154
%RSD	47.016	50.048	211.20	.89577	64.926	86.149	78.478
#1	.00236	-.00030	-.00532	.03770	.00692	L-.02283	.00240
#2	.00162	-.00019	.00042	.03721	.00155	-.00932	.00326
#3	.00085	-.00010	.00026	.03705	.00394	-.00305	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.00473	-.01619	7.0362	.01769	1.8131	.49596
SDev	.00146	.00220	.00451	.0118	.01387	.0038	.00886
%RSD	447.41	46.593	27.858	.16709	78.440	.20786	1.7863
#1	.00073	.00528	-.01099	7.0488	.00539	1.8164	.48853
#2	.00155	.00660	-.01852	7.0256	.01495	1.8090	.49359
#3	-.00129	.00230	-.01906	7.0341	.03273	1.8140	.50576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.3088	-.00103	-.00133	16.949	-.00306	-.01280	.00883
SDev	.0508	.00281	.00094	.039	.01071	.02301	.01198
%RSD	.54594	273.34	70.793	.23070	349.47	179.82	135.68
#1	9.3229	-.00428	-.00056	16.994	L-.01495	-.03913	.02264
#2	9.2524	.00049	-.00238	16.930	-.00008	.00342	.00265
#3	9.3510	.00070	-.00105	16.923	.00583	-.00268	.00120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.02569	.01299
SDev	.01785	.00966
%RSD	69.469	74.381
#1	-.04629	.02389
#2	-.01522	.00959
#3	-.01555	.00549
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34567	--	--	--	--	--	--
SDev	98.64983	--	--	--	--	--	--
%RSD	.2853878	--	--	--	--	--	--
#1	34680	--	--	--	--	--	--
#2	34522	--	--	--	--	--	--
#3	34498	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/17/04 22:58:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0620	2.0821	2.0183	2.0608	2.0420	2.0657	2.0613
SDev	.0179	.0137	.0094	.0132	.0131	.0179	.0145
%RSD	.86596	.65863	.46529	.63936	.64104	.86671	.70460
#1	2.0447	2.0679	2.0082	2.0472	2.0288	2.0474	2.0462
#2	2.0608	2.0831	2.0198	2.0616	2.0421	2.0665	2.0624
#3	2.0804	2.0952	2.0268	2.0735	2.0550	2.0832	2.0752
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0301	.26067	2.0030	2.0325	2.0323	2.0072	2.0159
SDev	.0144	.00197	.0157	.0098	.0143	.0159	.0180
%RSD	.71047	.75534	.78559	.48242	.70515	.79396	.89189
#1	2.0175	.25896	1.9925	2.0220	2.0158	1.9963	1.9969
#2	2.0270	.26023	1.9955	2.0340	2.0404	1.9998	2.0180
#3	2.0458	Q.26283	2.0211	2.0414	2.0408	2.0255	2.0327
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0143	2.0693	41.129	40.827	41.028	41.084	41.771
SDev	.0154	.0207	.341	.227	.235	.333	.233
%RSD	.76466	1.0015	.82989	.55530	.57349	.80944	.55704
#1	1.9991	2.0622	40.805	40.597	40.797	40.782	41.574
#2	2.0140	2.0530	41.096	40.835	41.020	41.028	41.710
#3	2.0299	2.0926	41.485	41.050	41.267	41.440	Q42.027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.910	2.0150	2.0460	5.1535	2.0056	2.0320	2.0074
SDev	.391	.0169	.0172	.0423	.0129	.0144	.0197
%RSD	.93288	.84023	.84285	.82058	.64311	.70778	.98073
#1	41.503	1.9970	2.0303	5.1114	1.9914	2.0168	1.9867
#2	41.942	2.0172	2.0433	5.1530	2.0090	2.0337	2.0097
#3	Q42.283	2.0306	2.0645	5.1960	2.0165	2.0455	2.0[illegible]
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

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Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0219	2.0102
SDev	.0160	.0151
%RSD	.79080	.75049
#1	2.0061	1.9953
#2	2.0216	2.0099
#3	2.0380	2.0254
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36043	--	--	--	--	--	--
SDev	307.8166	--	--	--	--	--	--
%RSD	.8540277	--	--	--	--	--	--
#1	36377	--	--	--	--	--	--
#2	35982	--	--	--	--	--	--
#3	35770	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/17/04 23:06:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00152	Q.00080	.00071	.00101	.00063	.00110	.00061
SDev	.00035	.00033	.00068	.00030	.00031	.00020	.00036
%RSD	23.024	41.118	96.102	29.302	48.436	18.008	59.470
#1	.00143	Q.00068	.00070	.00105	.00035	.00121	.00063
#2	.00190	Q.00117	Q.00139	.00128	.00059	.00122	.00097
#3	.00122	Q.00055	.00003	.00069	.00096	.00087	.00024
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	.00074	-.00009	.00066	-.00137	.00080	.00076
SDev	.00035	.00005	.00092	.00023	.00725	.00325	.00187
%RSD	46.723	7.2659	1039.7	34.937	527.77	404.04	244.92
#1	.00063	.00076	-.00014	.00066	.00429	-.00073	.00273
#2	.00114	.00079	.00086	.00089	.00114	.00454	-.00099
#3	.00047	.00068	-.00098	.00043	Q-.00954	-.00139	.00054
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00231	.00147	-.01922	-.03264	.02377	.00084	-.19839
SDev	.00103	.00571	.00648	.00636	.01247	.01177	.01255
%RSD	44.570	388.53	33.730	19.491	52.468	1405.2	6.3244
#1	.00349	.00497	-.01836	-.03438	.03367	-.00198	-.18737
#2	.00183	.00455	-.01321	-.02559	.02786	.01376	-.19575
#3	.00161	Q-.00512	-.02608	-.03795	.00976	-.00926	-.21204
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.26671	.00210	.00070	-.01504	-.00030	-.00343	.00236
SDev	.08257	.00031	.00075	.00536	.00176	.00211	.00329
%RSD	30.960	14.733	106.99	35.647	587.24	61.605	139.30
#1	-.17169	.00206	.00147	-.00917	-.00233	-.00507	.00613
#2	-.32103	.00243	.00066	-.01627	.00067	-.00417	.00011
#3	-.30742	.00181	-.00003	-.01968	.00076	-.00104	.00[illegible]
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00692	.00659
SDev	.00271	.00195
%RSD	39.077	29.618
#1	-.00628	.00805
#2	-.00989	.00736
#3	-.00460	.00437
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36126	--	--	--	--	--	--
SDev	48.17787	--	--	--	--	--	--
%RSD	.1333621	--	--	--	--	--	--
#1	36070	--	--	--	--	--	--
#2	36159	--	--	--	--	--	--
#3	36147	--	--	--	--	--	--

Method: EPA3 Sample Name: crib Operator:
Run Time: 08/17/04 23:44:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41208	.01058	.00882	.10563	.02150	.05380	.03119
SDev	.00194	.00004	.00030	.00187	.00129	.00105	.00024
%RSD	.47109	.35695	3.3481	1.7739	5.9982	1.9491	.76012
#1	.40986	.01062	.00902	.10779	.02292	.05500	.03146
#2	.41299	.01056	.00848	.10454	.02116	.05332	.03104
#3	.41341	.01055	.00895	.10456	.02041	.05308	.03106
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.01000	.00800	.10000	.02000	.05000	.03000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08178	.02111	.09957	.04245	Q.00672	.01996	.00651
SDev	.00338	.00131	.00035	.00144	.00482	.00334	.00145
%RSD	4.1295	6.2238	.35347	3.3954	71.757	16.717	22.262
#1	.08551	.02262	.09957	.04410	.01120	.02257	.00540
#2	.07893	.02023	.09922	.04146	Q.00162	.02110	.00597
#3	.08091	.02048	.09992	.04179	.00734	.01620	Q.00815
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	.08000	.02000	.10000	.04000	.01000	.02000	.00600
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.01326	Q.01412	.38567	5.0871	.19184	5.0720	5.1604
SDev	.00150	.00689	.00639	.0247	.00689	.0221	.0424
%RSD	11.294	48.817	1.6577	.48488	3.5937	.43619	.82110
#1	Q.01351	Q.02163	.39242	5.1127	.19815	5.0929	5.1158
#2	Q.01462	.00808	.37970	5.0635	.19291	5.0488	5.1652
#3	.01165	.01265	.38491	5.0852	.18448	5.0744	5.2002
Errors	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.01000	.40000	5.0000	.20000	5.0000	5.0000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3261	.02260	.11126	.41074	.02346	.00607	.00622
SDev	.4436	.00064	.00334	.00381	.00121	.00428	.00019
%RSD	8.3290	2.8145	3.0018	.92753	5.1522	70.630	3.0068
#1	5.8347	.02231	.11506	.41488	.02215	.00314	.00603
#2	5.0188	.02333	.10992	.40997	.02453	.00407	.00641
#3	5.1248	.02216	.10879	.40738	.02369	.01099	.00622
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	.02000	.10000	.40000	.02000
Range	30.000	30.000	30.000	30.000	30.000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00436	.01737
SDev	.00524	.00379
%RSD	120.09	21.790
#1	.01004	.01491
#2	-.00029	.02173
#3	.00334	.01547
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35614	--	--	--	--	--	--
SDev	285.5017	--	--	--	--	--	--
%RSD	.8016529	--	--	--	--	--	--
#1	35935	--	--	--	--	--	--
#2	35518	--	--	--	--	--	--
#3	35389	--	--	--	--	--	--

Method: EPA3 Sample Name: icsa Operator:
Run Time: 08/18/04 00:03:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00501	.00029	.00119	.00200	-.00069	.00221	-.00078
SDev	.00016	.00002	.00049	.00033	.00021	.00047	.00011
%RSD	3.1361	8.3984	41.583	16.431	31.174	21.340	13.814
#1	.00483	.00032	.00155	.00165	-.00059	.00251	-.00075
#2	.00507	.00028	.00063	.00230	-.00054	.00245	-.00091
#3	.00512	.00028	.00139	.00205	-.00093	.00166	-.00070
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00054	.00035	.00308	.00004	.00335	-.00658	-.00006
SDev	.00096	.00037	.00038	.00046	.00377	.00638	.00191
%RSD	179.15	106.05	12.483	1065.4	112.58	96.977	3164.6
#1	.00131	-.00004	.00352	-.00028	Q.00601	-.00273	.00143
#2	-.00054	.00039	.00280	.00058	Q.00501	Q-.01394	.00059
#3	.00083	.00071	.00292	-.00016	-.00097	-.00307	-.00221
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	-.00113	540.49	537.25	200.66	517.58	-.10096
SDev	.00232	.00387	3.34	3.72	1.23	3.08	.01125
%RSD	200.34	342.46	.61781	.69232	.61417	.59440	11.142
#1	-.00088	-.00016	536.69	533.06	199.25	514.07	-.11392
#2	-.00360	.00217	541.82	538.54	201.19	518.90	-.09372
#3	.00101	Q-.00540	542.96	540.16	201.54	519.79	-.09524
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.05932	.00191	-.00211	.01735	.00443	-.00933	.00410
SDev	.15919	.00094	.00078	.00253	.00169	.00442	.00166
%RSD	268.35	49.474	37.084	14.590	38.150	47.372	40.329
#1	.08086	.00082	-.00267	.01470	.00579	-.00430	.00377
#2	-.02645	.00236	-.00122	.01974	.00496	-.01109	.00590
#3	-.23237	.00254	-.00246	.01761	.00254	-.01260	.00264
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	
Range	5.0000	.00500	.05000	.20000	.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01537	.00561
SDev	.00517	.00200
%RSD	33.672	35.681
#1	-.01152	.00408
#2	-.02125	.00487
#3	-.01333	.00787
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	33925	--	--	--	--	--	--
SDev	185.2408	--	--	--	--	--	--
%RSD	.5460337	--	--	--	--	--	--
#1	34133	--	--	--	--	--	--
#2	33864	--	--	--	--	--	--
#3	33778	--	--	--	--	--	--

Method: EPA3
Run Time: 08/18/04 00:11:00
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: icsab
Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51196	.46829	.94527	.49690	.47313	.51263	.48570
SDev	.00306	.00173	.00321	.00105	.00159	.00353	.00174
%RSD	.59683	.36938	.33917	.21236	.33651	.68786	.35830
#1	.50892	.46790	.94407	.49576	.47228	.50988	.48461
#2	.51193	.47018	.94890	.49785	.47497	.51139	.48771
#3	.51503	.46678	.94283	.49710	.47214	.51660	.48480
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97102	1.0320	.48743	.93892	1.0505	.92834	.98028
SDev	.00262	.0040	.00114	.00416	.0083	.00673	.00452
%RSD	.26989	.39166	.23440	.44325	.78784	.72457	.46086
#1	.96814	1.0274	.48720	.93885	1.0517	.92259	.98261
#2	.97327	1.0348	.48867	.94311	1.0417	.93574	.98316
#3	.97165	1.0339	.48642	.93479	1.0581	.92670	.97508
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0025	1.0187	535.41	538.38	201.47	518.31	-.11709
SDev	.0039	.0118	2.44	2.98	.62	1.67	.03038
%RSD	.38534	1.1540	.45582	.55287	.30941	.32243	25.943
#1	1.0036	1.0054	532.59	538.15	201.13	516.96	-.10894
#2	1.0057	1.0228	536.67	541.46	202.19	520.18	-.09162
#3	.99824	1.0278	536.96	535.52	201.09	517.78	-.15071
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.01577	.49209	.53235	.03047	-.00078	.96305	.98850
SDev	.23271	.00296	.00380	.00509	.00231	.03361	.01002
%RSD	1475.9	.60133	.71352	16.720	295.05	3.4899	1.0138
#1	-.28353	.49065	.52895	.02780	-.00276	.98216	.98245
#2	.09858	.49550	.53166	.02727	.00176	.98274	.98299
#3	.13764	.49013	.53645	.03635	-.00135	.92424	1.0001
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value		.50000	.50000
Range		.10000	.10000
Elem	1960/1	1960/2	
Units	ppm	ppm	
Avge	.98950	1.0087	
SDev	.01987	.0051	
%RSD	2.0085	.50321	
#1	1.0031	1.0035	
#2	.99873	1.0089	
#3	.96669	1.0137	
Errors	NOCHECK	NOCHECK	
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34937	--	--	--	--	--	--
SDev	232.0506	--	--	--	--	--	--
%RSD	.6641961	--	--	--	--	--	--
#1	34960	--	--	--	--	--	--
#2	34694	--	--	--	--	--	--
#3	35157	--	--	--	--	--	--

Method: EPA3 Sample Name: ccv Operator:
Run Time: 08/18/04 00:18:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0943	2.0818	2.0109	2.0640	2.0469	2.0937	2.0705
SDev	.0175	.0068	.0121	.0078	.0041	.0192	.0049
%RSD	.83460	.32681	.60140	.37677	.20124	.91741	.23868
#1	2.0755	2.0888	2.0225	2.0723	2.0484	2.0725	2.0737
#2	2.0976	2.0752	1.9984	2.0569	2.0422	2.0985	2.0648
#3	Q2.1100	2.0813	2.0119	2.0629	2.0500	Q2.1100	2.0730
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0321	Q.26266	2.0164	2.0211	2.0337	2.0184	2.0227
SDev	.0063	.00091	.0043	.0166	.0024	.0105	.0152
%RSD	.31167	.34685	.21521	.81961	.12028	.51938	.75202
#1	2.0345	.26160	2.0126	2.0398	2.0309	2.0123	2.0362
#2	2.0249	Q.26315	2.0154	2.0083	2.0347	2.0124	2.0062
#3	2.0368	Q.26321	2.0212	2.0153	2.0354	2.0305	2.0258
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0338	2.0837	41.482	40.738	41.256	41.376	Q42.487
SDev	.0108	.0076	.350	.139	.096	.096	.546
%RSD	.53038	.36527	.84313	.34138	.23270	.23160	1.2850
#1	2.0381	2.0750	41.090	40.888	41.309	41.308	41.866
#2	2.0216	2.0870	41.594	40.613	41.145	41.335	Q42.704
#3	2.0418	2.0890	41.762	40.714	41.313	41.486	Q42.892
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q42.010	2.0259	2.0666	5.2141	2.0077	2.0351	2.0161
SDev	.584	.0041	.0150	.0259	.0058	.0127	.0164
%RSD	1.3911	.20363	.72440	.49596	.29001	.62522	.81461
#1	41.490	2.0222	2.0497	5.1899	2.0125	2.0466	2.0304
#2	Q42.643	2.0251	2.0720	5.2110	2.0012	2.0214	1.9982
#3	41.898	2.0303	2.0781	5.2414	2.0094	2.0373	2.0196
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0321	2.0344
SDev	.0168	.0080
%RSD	.82721	.39113
#1	2.0414	2.0362
#2	2.0127	2.0257
#3	2.0422	2.0413
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35175	--	--	--	--	--	--
SDev	341.4475	--	--	--	--	--	--
%RSD	.9707199	--	--	--	--	--	--
#1	35533	--	--	--	--	--	--
#2	35138	--	--	--	--	--	--
#3	34853	--	--	--	--	--	--

Method: EPA3 Sample Name: ccb Operator:
Run Time: 08/18/04 00:26:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00155	.00070	.00052	-.00017	-.00013	.00064	.00052
SDev	.00019	.00017	.00040	.00163	.00094	.00102	.00016
%RSD	12.039	24.493	78.549	950.71	712.30	160.01	29.959
#1	.00149	.00065	.00096	.00046	.00054	.00092	.00048
#2	.00176	.00089	.00017	-.00202	-.00121	-.00049	.00069
#3	.00140	.00056	.00041	.00105	.00027	.00149	.00039
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00201	-.00045	-.00002	.00041	-.00389	-.00269	.00042
SDev	.00102	.00133	.00069	.00053	.00851	.00665	.00242
%RSD	50.684	296.78	2977.1	128.98	218.77	247.12	582.35
#1	-.00097	.00041	.00052	.00077	.00077	-.00932	-.00016
#2	-.00300	-.00199	.00021	-.00020	-.01371	.00399	.00307
#3	-.00205	.00022	-.00080	.00066	.00127	-.00274	-.00166
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	-.00055	.06600	.05993	.04608	.09500	-.23199
SDev	.00300	.00714	.03804	.04781	.00208	.03881	.02904
%RSD	3069.2	1299.2	57.636	79.774	4.5175	40.853	12.518
#1	.00016	.00491	.04700	.04167	.04774	.08506	-.26321
#2	.00277	-.00863	.10980	.11418	.04675	.13781	-.22699
#3	-.00322	.00206	.04121	.02394	.04375	.06213	-.20578
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.50709	.00142	-.00264	-.01780	.00321	.00117	-.00046
SDev	.29333	.00076	.00433	.00212	.00243	.00933	.00105
%RSD	57.845	53.673	164.02	11.895	75.835	798.21	228.76
#1	-.46376	.00225	.00009	-.01645	.00040	-.00153	.00003
#2	-.81968	.00124	-.00764	-.02024	.00463	.01155	-.00167
#3	-.23784	.00076	-.00038	-.01672	.00459	-.00652	.00016
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00439	.00172
SDev	.01267	.00352
%RSD	288.42	204.89
#1	-.01135	.00558
#2	.01023	-.00130
#3	-.01205	.00086
Errors	NOCHECK	NOCHECK

Value
Range

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36045	--	--	--	--	--	--
SDev	282.7849	--	--	--	--	--	--
%RSD	.7845258	--	--	--	--	--	--
#1	36312	--	--	--	--	--	--
#2	35749	--	--	--	--	--	--
#3	36075	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-14F Operator:
Run Time: 08/18/04 00:36:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.26171	.00032	.00030	.00021	.00011	.00628	.01333
SDev	.00043	.00004	.00027	.00057	.00064	.00002	.00021
%RSD	.16591	12.354	88.099	271.65	596.93	.38726	1.6140
#1	.26142	.00036	.00029	-.00024	.00032	.00626	.01325
#2	.26221	.00028	.00004	.00001	-.00061	.00627	.01317
#3	.26150	.00031	.00058	.00086	.00061	.00630	.01358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	-.00027	-.00011	.02060	.00097	-.00731	-.00034
SDev	.00168	.00065	.00017	.00035	.00148	.00122	.00173
%RSD	256.68	238.23	164.78	1.6807	152.80	16.684	502.58
#1	-.00117	-.00049	-.00028	.02042	.00228	-.00869	-.00160
#2	.00213	-.00079	-.00011	.02038	.00128	-.00636	-.00106
#3	.00100	.00046	.00007	.02100	-.00064	-.00690	.00163
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00192	.00798	.00309	40.676	.02969	5.6064	1.1096
SDev	.00328	.00092	.00378	.371	.00962	.0393	.0268
%RSD	171.08	11.480	122.10	.91180	32.421	.70187	2.4171
#1	.00559	.00796	.00106	40.346	.03114	5.5681	1.0829
#2	-.00071	.00707	.00077	40.605	.01942	5.6044	1.1095
#3	.00087	.00890	.00745	41.078	.03850	5.6467	1.1365
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.156	.00204	-.00015	20.439	.00166	-.00393	.00099
SDev	.108	.00034	.00108	.056	.00072	.00188	.00165
%RSD	.59593	16.406	716.21	.27638	43.522	47.918	167.52
#1	18.033	.00182	-.00114	20.374	.00115	-.00543	-.00016
#2	18.196	.00187	-.00032	20.471	.00248	-.00453	.00024
#3	18.238	.00243	.00101	20.473	.00134	-.00182	.00288
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01284	.00895
SDev	.00189	.00486
%RSD	14.681	54.304
#1	-.01199	.01404
#2	-.01153	.00435
#3	-.01500	.00846
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34862	--	--	--	--	--	--
SDev	166.7577	--	--	--	--	--	--
%RSD	.4783383	--	--	--	--	--	--
#1	34988	--	--	--	--	--	--
#2	34673	--	--	--	--	--	--
#3	34925	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-15F Operator:
Run Time: 08/18/04 00:44:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01467	-.00001	-.00018	-.00004	-.00002	.06348	.00168
SDev	.00016	.00004	.00023	.00066	.00023	.00004	.00010
%RSD	1.0637	632.78	126.33	1593.5	923.39	.05772	6.0110
#1	.01471	.00003	-.00044	-.00072	-.00003	.06352	.00160
#2	.01481	-.00005	-.00000	.00000	.00021	.06347	.00179
#3	.01450	.00000	-.00010	.00059	-.00025	.06344	.00164
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00178	-.00016	-.00018	.07952	-.00386	-.00312	.00340
SDev	.00046	.00016	.00020	.00030	.00445	.00268	.00086
%RSD	25.557	98.346	113.66	.37282	115.25	86.031	25.203
#1	.00229	-.00028	-.00029	.07973	L-.00840	-.00615	.00285
#2	.00165	-.00024	.00005	.07965	-.00366	-.00212	.00296
#3	.00141	.00002	-.00029	.07918	.00049	-.00108	.00439
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00155	.00364	-.00516	6.7732	.04264	1.7643	.44760
SDev	.00082	.00364	.00179	.0059	.00885	.0030	.00650
%RSD	53.103	99.938	34.586	.08729	20.752	.17261	1.4521
#1	.00125	.00636	-.00647	6.7752	.03833	1.7625	.45467
#2	.00092	-.00049	-.00589	6.7779	.05282	1.7678	.44624
#3	.00249	.00507	-.00313	6.7666	.03677	1.7625	.44188
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.9066	.00096	-.00107	16.333	-.00167	-.00069	.00495
SDev	.0728	.00092	.00091	.020	.00165	.00236	.00039
%RSD	.81704	95.695	84.399	.12224	99.085	341.78	7.8447
#1	8.8255	.00097	-.00207	16.340	-.00025	-.00150	.00451
#2	8.9281	.00188	-.00029	16.349	-.00127	-.00254	.00525
#3	8.9663	.00004	-.00087	16.311	-.00348	.00197	.00469
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00996	.00697
SDev	.00571	.00162
%RSD	57.351	23.245
#1	-.01238	.00773
#2	-.01408	.00809
#3	-.00344	.00511
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35451	--	--	--	--	--	--
SDev	110.4366	--	--	--	--	--	--
%RSD	.3115196	--	--	--	--	--	--
#1	35331	--	--	--	--	--	--
#2	35473	--	--	--	--	--	--
#3	35549	--	--	--	--	--	--

Method: EPA3 Sample Name: N74914-FBCONF Operator:
Run Time: 08/18/04 00:51:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00236	-.00004	.00004	-.00064	-.00017	.00047	.00038
SDev	.00012	.00002	.00036	.00042	.00076	.00038	.00003
%RSD	4.9795	62.608	962.82	65.232	453.13	81.588	7.7687
#1	.00225	-.00005	.00026	-.00107	-.00067	.00004	.00035
#2	.00235	-.00005	-.00037	-.00024	-.00055	.00076	.00039
#3	.00248	-.00001	.00023	-.00060	.00071	.00061	.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00143	-.00021	-.00025	.00382	-.00108	.00139	.00102
SDev	.00041	.00015	.00043	.00022	.00109	.00396	.00140
%RSD	28.430	68.623	172.33	5.8969	100.75	284.97	136.47
#1	.00175	-.00033	.00020	.00407	.00017	.00566	.00099
#2	.00097	-.00026	-.00064	.00376	-.00181	.00066	.00244
#3	.00157	-.00005	-.00030	.00363	-.00159	-.00215	-.00035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00113	.00475	-.02239	.00482	.01710	-.00498	-.19754
SDev	.00283	.00135	.00190	.00063	.00159	.00366	.00994
%RSD	251.18	28.397	8.4907	13.046	9.3000	73.462	5.0306
#1	.00166	.00474	-.02420	.00417	.01801	-.00256	-.19955
#2	-.00105	.00341	-.02041	.00486	.01527	-.00919	-.20632
#3	-.00400	.00610	-.02256	.00542	.01803	-.00319	-.18676
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.31763	.00041	-.00051	.01532	-.00006	.00016	.00095
SDev	.01576	.00048	.00082	.00137	.00209	.00186	.00182
%RSD	4.9605	119.13	159.60	8.9198	3277.7	1175.4	190.68
#1	.33578	.00038	-.00145	.01522	.00215	-.00172	.00183
#2	.30965	-.00007	.00008	.01401	-.00033	.00199	.00216
#3	.30746	.00090	-.00017	.01673	-.00201	.00020	-.00114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01120	.00357
SDev	.00400	.00231
%RSD	35.702	64.580
#1	-.00689	.00560
#2	-.01193	.00406
#3	-.01479	.00106
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35674	--	--	--	--	--	--
SDev	184.6194	--	--	--	--	--	--
%RSD	.5175123	--	--	--	--	--	--
#1	35713	--	--	--	--	--	--
#2	35837	--	--	--	--	--	--
#3	35474	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26790-MB1 Operator:
Run Time: 08/18/04 00:59:34
Comment: see rerun. bad replicate ND 8/18/04
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00129	-.00006	.00009	-.00020	-.00017	.00055	-.00013
SDev	.00020	.00004	.00024	.00061	.00029	.00019	.00011
%RSD	15.387	67.512	269.07	304.58	171.68	34.497	89.254
#1	.00131	-.00003	.00037	-.00036	-.00036	.00071	-.00019
#2	.00108	-.00011	-.00001	-.00071	-.00030	.00034	-.00020
#3	.00148	-.00005	-.00009	.00047	.00016	.00059	.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00144	-.00021	-.00081	.00028	L-.00515	-.00709	.00072
SDev	.00087	.00015	.00051	.00107	.00461	.00683	.00297
%RSD	60.046	73.300	62.472	381.76	89.500	96.289	409.57
#1	-.00241	-.00029	-.00080	.00088	-.00154	L-.01136	.00091
#2	-.00120	-.00030	-.00031	-.00096	L-.01034	.00078	-.00233
#3	-.00072	-.00003	-.00132	.00091	-.00357	L-.01070	H.00359
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00121	-.00164	-.02813	-.03434	.01619	-.01475	-.23951
SDev	.00245	.00809	.00135	.00163	.00323	.00370	.02967
%RSD	202.99	494.55	4.7978	4.7552	19.960	25.088	12.387
#1	.00303	H.00606	-.02773	-.03488	.01805	-.01422	-.21176
#2	.00216	L-.01008	-.02964	-.03564	.01806	-.01868	-.23598
#3	-.00157	-.00088	-.02703	-.03251	.01246	-.01134	-.27078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.32241	.00088	-.00150	.00032	-.00070	-.00207	.00166
SDev	.35730	.00117	.00056	.00406	.00171	.00385	.00383
%RSD	110.82	132.88	37.156	1263.3	244.56	186.11	231.42
#1	.12724	-.00043	-.00114	.00452	.00106	-.00571	.00375
#2	.73479	.00124	-.00214	-.00359	-.00235	-.00247	-.00277
#3	.10521	.00183	-.00122	.00003	-.00080	.00196	.00399
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01047	.00671
SDev	.00299	.00221
%RSD	28.514	33.015
#1	-.00874	.00858
#2	-.00875	.00728
#3	-.01392	.00426
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35506	--	--	--	--	--	--
SDev	392.7666	--	--	--	--	--	--
%RSD	1.106185	--	--	--	--	--	--
#1	35066	--	--	--	--	--	--
#2	35819	--	--	--	--	--	--
#3	35634	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26790-LC1 Operator:
Run Time: 08/18/04 01:07:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.53543	.53229	.52302	.53633	.52424	.54129	.53863
SDev	.00198	.00260	.00171	.00266	.00299	.00213	.00208
%RSD	.36922	.48820	.32754	.49647	.57040	.39345	.38642
#1	.53606	.53367	.52376	.53827	.52529	.54119	.53960
#2	.53322	.52929	.52107	.53329	.52087	.53921	.53624
#3	.53702	.53390	.52425	.53742	.52657	.54347	.54004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.40000	.40000	.40000	.40000	.40000	.40000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52701	.21087	.52174	.53102	.51650	.51912	.52160
SDev	.00065	.00057	.00223	.00233	.00179	.00681	.00138
%RSD	.12370	.27022	.42656	.43877	.34731	1.3111	.26388
#1	.52632	.21078	.52231	.53121	.51727	.52604	.52257
#2	.52761	.21035	.51928	.52861	.51778	.51243	.52002
#3	.52709	.21148	.52362	.53326	.51445	.51890	.52220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.24000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.16000	.40000	.40000	.40000	.40000	.40000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49307	.53414	5.3173	5.9546	5.8052	5.9872	5.4440
SDev	.00459	.00259	.0117	.0242	.0242	.0309	.0243
%RSD	.93077	.48458	.21915	.40703	.41738	.51622	.44547
#1	.49819	.53706	5.3178	5.9692	5.8000	5.9989	5.4594
#2	.49168	.53213	5.3054	5.9266	5.7840	5.9522	5.4160
#3	.48933	.53322	5.3287	5.9679	5.8316	6.0106	5.4565
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	6.0000	6.6000	6.6000	6.6000	6.0000
Low	.40000	.40000	4.0000	4.4000	4.4000	4.4000	4.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9047	.52858	L-.00380	H.32717	H.00041	.52560	.51923
SDev	.1179	.00138	.00089	.00212	.00054	.00249	.00114
%RSD	1.9973	.26122	23.339	.64903	130.58	.47368	.22059
#1	5.8242	.52867	L-.00479	H.32880	H.00002	.52812	.51951
#2	H6.0400	.52716	L-.00354	H.32477	H.00102	.52314	.51797
#3	5.8498	.52992	L-.00308	H.32795	H.00020	.52553	.52021
Errors	LC Pass	LC Pass	LC Low	LC High	LC High	NOCHECK	NOCHECK

High	6.0000	.60000	.00000	.00000	.00000
Low	4.0000	.40000	.00000	.00000	.00000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.48833	.49510
SDev	.00726	.00419
%RSD	1.4861	.84544
#1	.49640	.49874
#2	.48233	.49602
#3	.48626	.49053
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35626	--	--	--	--	--	--
SDev	291.8419	--	--	--	--	--	--
%RSD	.8191792	--	--	--	--	--	--
#1	35290	--	--	--	--	--	--
#2	35810	--	--	--	--	--	--
#3	35779	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26790-S1 Operator:
Run Time: 08/18/04 01:14:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2435	.05558	.05502	.51664	.20972	.27755	.56217
SDev	.0093	.00002	.00036	.00094	.00043	.00053	.00087
%RSD	.41620	.03295	.64721	.18293	.20664	.18963	.15470
#1	2.2371	.05557	.05475	.51580	.21001	.27695	.56212
#2	2.2542	.05557	.05543	.51766	.20922	.27794	.56133
#3	2.2392	.05560	.05490	.51644	.20992	.27777	.56306
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51205	.05258	.51151	.52085	2.0123	2.0210	.50041
SDev	.00137	.00005	.00503	.00109	.0110	.0020	.01930
%RSD	.26841	.09130	.98340	.20983	.54495	.10000	3.8574
#1	.51329	.05258	.51006	.52060	2.0146	2.0213	.50953
#2	.51057	.05263	.51710	.52205	2.0220	2.0188	.47823
#3	.51229	.05253	.50736	.51991	2.0004	2.0228	.51346
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9141	.52111	2.7111	93.811	1.8879	30.735	30.316
SDev	.0792	.00358	.0126	.178	.0141	.044	.041
%RSD	4.1367	.68757	.46515	.18992	.74658	.14264	.13523
#1	1.9530	.51822	2.7056	93.863	1.8886	30.738	30.273
#2	1.8230	.51998	2.7022	93.613	1.9016	30.690	30.355
#3	1.9664	.52512	2.7256	93.958	1.8735	30.778	30.321
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.472	.00594	.00169	9.3127	.00862	.49494	.50279
SDev	.143	.00168	.00038	.0130	.00591	.01854	.01994
%RSD	.25407	28.316	22.344	.13961	68.519	3.7469	3.9660
#1	56.364	.00580	.00161	9.3141	.00595	.50725	.51031
#2	56.417	.00769	.00135	9.2991	.01540	.47361	.48018
#3	56.635	.00433	.00210	9.3250	.00453	.50395	.51787
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9233	1.9093
SDev	.0669	.0875
%RSD	3.4809	4.5813
#1	1.9757	1.9413
#2	1.8479	1.8103
#3	1.9462	1.9762
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35186	--	--	--	--	--	--
SDev	1261.805	--	--	--	--	--	--
%RSD	3.586139	--	--	--	--	--	--
#1	34478	--	--	--	--	--	--
#2	36642	--	--	--	--	--	--
#3	34436	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26790-S2 Operator:
Run Time: 08/18/04 01:22:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2432	.05237	.05186	.51999	.20810	.27214	.56433
SDev	.0278	.00058	.00079	.00556	.00226	.00351	.00632
%RSD	1.2389	1.1151	1.5293	1.0691	1.0846	1.2915	1.1192
#1	2.2749	.05301	.05257	.52621	.21066	.27619	.57135
#2	2.2320	.05221	.05200	.51824	.20722	.27019	.56253
#3	2.2228	.05188	.05100	.51551	.20642	.27002	.55911
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51393	.05265	.51166	.52770	2.0271	2.0339	.50745
SDev	.00398	.00078	.00651	.00581	.0164	.0225	.00673
%RSD	.77529	1.4766	1.2713	1.1020	.81016	1.1077	1.3257
#1	.51851	.05351	.51917	.53423	2.0457	2.0594	.51419
#2	.51122	.05201	.50768	.52577	2.0211	2.0168	.50742
#3	.51208	.05241	.50813	.52309	2.0145	2.0253	.50073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9549	.51870	2.6100	96.084	1.7665	31.115	30.229
SDev	.0442	.00066	.0277	1.069	.0533	.356	.290
%RSD	2.2618	.12696	1.0621	1.1123	3.0175	1.1453	.95965
#1	2.0022	.51943	2.6420	97.299	1.8259	31.518	30.562
#2	1.9478	.51814	2.5944	95.666	1.7507	30.987	30.032
#3	1.9146	.51855	2.5936	95.288	1.7229	30.840	30.093
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.797	.00207	-.00222	9.4212	.00070	.51184	.50478
SDev	.589	.00032	.00280	.1095	.00016	.00996	.00620
%RSD	1.0362	15.728	126.13	1.1621	22.481	1.9451	1.2282
#1	57.466	.00243	.00101	9.5460	.00061	.52333	.50914
#2	56.565	.00198	-.00364	9.3763	.00061	.50637	.50752
#3	56.360	.00179	-.00404	9.3413	.00089	.50582	.49768
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000
Elem	1960/1	1960/2			
Units	ppm	ppm			
Avge	2.0061	1.9289			
SDev	.0943	.0247			
%RSD	4.6995	1.2785			
#1	2.1144	1.9458			
#2	1.9621	1.9404			
#3	1.9420	1.9006			
Errors	NOCHECK	NOCHECK			
High					
Low					

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35147	--	--	--	--	--	--
SDev	410.3647	--	--	--	--	--	--
%RSD	1.167560	--	--	--	--	--	--
#1	34778	--	--	--	--	--	--
#2	35075	--	--	--	--	--	--
#3	35589	--	--	--	--	--	--

Method: EPA3 Sample Name: N74940-1 Operator:
Run Time: 08/18/04 01:30:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14644	-.00001	.00053	.00030	.00530	.00405	.03514
SDev	.00071	.00001	.00008	.00030	.00029	.00039	.00012
%RSD	.48386	126.42	15.746	99.851	5.4959	9.5396	.32906
#1	.14725	-.00000	.00046	.00002	.00542	.00398	.03525
#2	.14607	-.00003	.00062	.00063	.00497	.00447	.03514
#3	.14598	-.00000	.00050	.00026	.00551	.00371	.03502
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00346	-.00018	.00047	.01191	-.00107	-.00520	.00083
SDev	.00018	.00029	.00055	.00003	.00092	.00397	.00228
%RSD	5.1859	162.08	118.08	.25570	85.717	76.408	276.49
#1	.00325	-.00021	-.00016	.01189	-.00055	-.00061	-.00153
#2	.00352	.00013	.00070	.01190	-.00053	-.00746	.00303
#3	.00359	-.00044	.00087	.01195	-.00213	-.00753	.00098
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00068	.00640	.52159	65.731	.78158	4.6569	2.4552
SDev	.00360	.00318	.00318	.158	.00588	.0169	.0148
%RSD	533.17	49.602	.60995	.24000	.75289	.36222	.60157
#1	-.00040	.00610	.52526	65.895	.77621	4.6738	2.4722
#2	.00469	.00972	.51970	65.581	.78066	4.6400	2.4479
#3	-.00227	.00339	.51980	65.718	.78787	4.6569	2.4455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	28.417	.00117	-.00095	9.1486	-.00191	-.00131	.00144
SDev	.058	.00019	.00101	.0153	.00402	.00120	.00374
%RSD	.20296	16.020	106.58	.16738	209.70	91.308	260.52
#1	28.473	.00124	-.00211	9.1649	.00059	-.00128	-.00213
#2	28.357	.00131	-.00031	9.1345	.00021	-.00252	.00533
#3	28.422	.00095	-.00042	9.1463	-.00655	-.00013	.00117
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1700

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01027	.00580
SDev	.00323	.00382
%RSD	31.443	65.894
#1	-.01182	.00497
#2	-.00655	.00997
#3	-.01242	.00246
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34945	--	--	--	--	--	--
SDev	95.20061	--	--	--	--	--	--
%RSD	.2724314	--	--	--	--	--	--
#1	34836	--	--	--	--	--	--
#2	34986	--	--	--	--	--	--
#3	35013	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26790-SD1 Operator:
Run Time: 08/18/04 01:38:05
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15520	-.00011	-.00013	-.00017	.00557	.00840	.03564
SDev	.00217	.00007	.00247	.00068	.00045	.00100	.00015
%RSD	1.4017	65.850	1972.4	409.41	8.0700	11.902	.40701
#1	.15770	-.00018	-.00227	-.00054	.00595	.00915	.03574
#2	.15375	-.00004	-.00068	.00062	.00507	.00878	.03548
#3	.15415	-.00010	.00257	-.00058	.00570	.00726	.03571
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00314	.00007	-.00404	.01649	-.00224	-.00257	-.00021
SDev	.00730	.00138	.00049	.00103	.01344	.01747	.00816
%RSD	232.57	1934.9	12.145	6.2493	599.38	680.05	3877.8
#1	-.00480	.00146	-.00460	.01767	.01304	.01086	.00545
#2	.00464	.00006	-.00373	.01576	L-.00756	L-.02232	.00347
#3	.00958	-.00130	-.00378	.01604	L-.01221	.00375	L-.00956
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00120	.01333	.44485	66.070	.79408	4.7716	1.5547
SDev	.00468	.01973	.00202	.841	.06723	.0570	.1182
%RSD	389.11	148.05	.45430	1.2735	8.4661	1.1951	7.6024
#1	-.00419	.03356	.44302	67.035	.77061	4.8374	1.6906
#2	.00425	.01229	.44450	65.686	.86989	4.7360	1.4973
#3	.00355	L-.00586	.44702	65.490	.74173	4.7414	1.4762
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	28.094	.00278	-.00828	9.3607	.00542	-.01307	.00408
SDev	.172	.00262	.00051	.1233	.01992	.00639	.00925
%RSD	.61200	94.246	6.1750	1.3172	367.89	48.908	226.75
#1	28.121	.00084	-.00887	9.5029	.00106	-.01079	.01141
#2	27.910	.00174	-.00798	9.2941	.02716	-.00813	.00715
#3	28.250	.00575	-.00798	9.2850	L-.01197	-.02029	-.00631
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1702

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.05648	.02840
SDev	.02209	.01261
%RSD	39.111	44.401
#1	-.05642	.02019
#2	-.03442	.02209
#3	-.07860	.04293
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35053	--	--	--	--	--	--
SDev	412.0598	--	--	--	--	--	--
%RSD	1.175523	--	--	--	--	--	--
#1	34578	--	--	--	--	--	--
#2	35284	--	--	--	--	--	--
#3	35298	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/18/04 01:45:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q2.1191	2.0757	2.0018	2.0609	2.0447	Q2.1169	2.0745
SDev	.0068	.0046	.0065	.0063	.0060	.0072	.0056
%RSD	.31909	.22300	.32308	.30561	.29220	.34021	.27138
#1	Q2.1137	2.0713	1.9983	2.0538	2.0419	Q2.1095	2.0692
#2	Q2.1168	2.0753	1.9978	2.0627	2.0407	Q2.1172	2.0739
#3	Q2.1267	2.0806	2.0093	2.0660	2.0516	Q2.1239	2.0804
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0296	Q.26568	2.0256	2.0011	2.0261	2.0028	2.0178
SDev	.0067	.00108	.0032	.0066	.0061	.0067	.0143
%RSD	.33035	.40521	.15627	.32744	.30313	.33270	.71013
#1	2.0246	Q.26450	2.0250	1.9974	2.0199	2.0051	2.0012
#2	2.0271	Q.26590	2.0227	1.9972	2.0263	2.0080	2.0253
#3	2.0372	Q.26662	2.0290	2.0086	2.0322	1.9953	2.0268
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0236	2.0937	41.972	40.693	41.224	41.365	Q43.163
SDev	.0155	.0081	.123	.114	.153	.107	.240
%RSD	.76477	.38475	.29241	.27894	.37181	.25798	.55581
#1	2.0057	2.0884	41.888	40.613	41.050	41.268	Q43.079
#2	2.0324	2.0898	41.915	40.643	41.286	41.349	Q42.977
#3	2.0327	Q2.1030	Q42.113	40.823	41.337	41.479	Q43.434
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q43.021	2.0238	2.0827	5.2353	1.9994	2.0335	2.0094
SDev	.165	.0046	.0061	.0126	.0070	.0082	.0173
%RSD	.38268	.22657	.29283	.23988	.34832	.40155	.86248
#1	Q42.881	2.0203	2.0793	5.2278	1.9949	2.0242	1.9894
#2	Q42.980	2.0221	2.0791	5.2283	1.9958	2.0370	2.0189
#3	Q43.203	2.0290	2.0898	5.2498	2.0074	2.0394	2.0199
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0375	2.0163
SDev	.0113	.0176
%RSD	.55560	.87126
#1	2.0245	1.9960
#2	2.0432	2.0266
#3	2.0449	2.0263
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34570	--	--	--	--	--	--
SDev	188.5203	--	--	--	--	--	--
%RSD	.5453355	--	--	--	--	--	--
#1	34782	--	--	--	--	--	--
#2	34506	--	--	--	--	--	--
#3	34421	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/18/04 01:53:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00149	Q.00061	.00052	.00087	.00020	.00142	.00039
SDev	.00006	.00009	.00024	.00018	.00022	.00065	.00007
%RSD	3.7226	14.616	45.579	21.064	110.73	45.458	19.289
#1	.00154	Q.00051	.00075	.00108	.00038	.00196	.00030
#2	.00143	Q.00067	.00054	.00072	.00025	.00160	.00045
#3	.00151	Q.00065	.00027	.00083	-.00004	.00070	.00040
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00033	.00026	.00021	.00041	-.00111	.00183	-.00038
SDev	.00080	.00038	.00059	.00051	.00506	.00118	.00080
%RSD	243.68	146.29	276.73	123.14	455.70	64.346	213.12
#1	-.00092	.00057	.00055	.00087	Q-.00691	.00103	-.00094
#2	.00058	.00037	.00055	.00051	.00241	.00128	.00054
#3	-.00064	-.00016	-.00047	-.00014	.00116	.00319	-.00073
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00054	.00230	-.01647	-.02823	.02421	.00822	-.19882
SDev	.00189	.00298	.00254	.00026	.00582	.00631	.00858
%RSD	350.60	129.48	15.438	.92633	24.047	76.686	4.3136
#1	.00105	.00275	-.01923	-.02852	.01795	.00983	-.19476
#2	-.00155	Q.00503	-.01594	-.02803	.02946	.01357	-.19302
#3	.00212	-.00088	-.01423	-.02813	.02523	.00127	-.20867
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.14558	.00234	-.00017	-.01390	.00135	-.00214	.00000
SDev	.19550	.00099	.00153	.00202	.00327	.00424	.00278
%RSD	134.29	42.387	918.57	14.550	241.62	198.07	297980.
#1	.00168	.00240	.00065	-.01248	-.00164	-.00471	.00044
#2	-.07104	Q.00330	.00077	-.01300	.00484	-.00447	.00254
#3	-.36738	.00132	-.00193	-.01622	.00086	.00275	-.00298
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

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Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00760	.00427
SDev	.00574	.00257
%RSD	75.484	60.092
#1	-.01185	.00717
#2	-.00988	.00227
#3	-.00107	.00337
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35508	--	--	--	--	--	--
SDev	70.34532	--	--	--	--	--	--
%RSD	.1981112	--	--	--	--	--	--
#1	35430	--	--	--	--	--	--
#2	35529	--	--	--	--	--	--
#3	35566	--	--	--	--	--	--

Method: EPA3 Sample Name: N73948-7A Operator:
Run Time: 08/18/04 02:01:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00850	.00074	.00031	.00082	.00275	.00202	.00256
SDev	.00019	.00002	.00007	.00038	.00061	.00030	.00011
%RSD	2.1915	2.4879	21.124	45.706	22.302	14.849	4.2226
#1	.00844	.00075	.00024	.00123	.00211	.00187	.00255
#2	.00871	.00076	.00036	.00075	.00279	.00237	.00268
#3	.00835	.00072	.00034	.00049	.00334	.00183	.00246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00831	.00017	-.00003	.02398	-.00063	-.00001	.00086
SDev	.00134	.00024	.00054	.00042	.00689	.00443	.00101
%RSD	16.126	144.86	2059.9	1.7384	1100.3	32205.	118.26
#1	.00893	-.00005	.00044	.02442	.00701	.00274	.00087
#2	.00922	.00043	.00010	.02392	-.00252	-.00513	-.00016
#3	.00677	.00012	-.00061	.02360	L-.00637	.00235	.00187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	.00426	-.00440	.21697	.06597	.01217	-.16785
SDev	.00191	.00199	.00230	.00434	.00630	.00432	.01953
%RSD	847.75	46.761	52.140	1.9996	9.5463	35.493	11.638
#1	.00156	.00656	-.00211	.21752	.07143	.00725	-.17103
#2	.00107	.00310	-.00440	.22100	.06738	.01536	-.14693
#3	-.00196	.00312	-.00671	.21238	.05908	.01390	-.18561
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36732	.00123	-.00027	.21721	.00216	.00522	-.00178
SDev	.03518	.00116	.00006	.00646	.00142	.00671	.00311
%RSD	9.5769	93.967	21.264	2.9726	65.613	128.53	174.38
#1	.34104	.00120	-.00032	.21943	.00381	.01239	-.00537
#2	.35364	.00009	-.00021	.22226	.00136	-.00091	-.00022
#3	.40728	.00241	-.00030	.20993	.00133	.00418	.00824
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00823	.00411
SDev	.00605	.00118
%RSD	73.474	28.789
#1	-.00216	.00308
#2	-.00828	.00540
#3	-.01425	.00385
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34788	--	--	--	--	--	--
SDev	360.7198	--	--	--	--	--	--
%RSD	1.036909	--	--	--	--	--	--
#1	34755	--	--	--	--	--	--
#2	34445	--	--	--	--	--	--
#3	35164	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-1F Operator:
Run Time: 08/18/04 02:08:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05454	.00001	-.00013	.00213	.00009	.00107	2.2218
SDev	.00040	.00002	.00021	.00039	.00038	.00030	.0090
%RSD	.74042	422.42	168.65	18.209	441.26	28.420	.40687
#1	.05486	.00003	-.00036	.00248	.00004	.00141	2.2321
#2	.05467	-.00001	.00005	.00171	.00049	.00092	2.2181
#3	.05409	-.00000	-.00006	.00220	-.00027	.00087	2.2152
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.00009	-.00056	.00376	.00011	-.00069	.00069
SDev	.00185	.00022	.00087	.00003	.00056	.00162	.00315
%RSD	1762.3	244.99	157.53	.88894	504.66	234.12	458.69
#1	-.00203	-.00007	.00026	.00380	-.00054	-.00012	-.00054
#2	.00109	.00000	-.00045	.00374	.00044	.00056	-.00166
#3	.00125	.00034	-.00148	.00374	.00043	-.00252	.00427
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00199	.00146	-.00882	141.38	.04514	17.830	6.7990
SDev	.00208	.00062	.00199	.59	.01252	.057	.0196
%RSD	104.68	42.315	22.622	.41791	27.733	.32139	.28821
#1	.00301	.00075	-.00660	142.06	.03875	17.896	6.8170
#2	.00336	.00177	-.00939	141.13	.03711	17.795	6.8018
#3	-.00041	.00186	-.01046	140.96	.05957	17.799	6.7781
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	98.596	.00243	-.00140	2.3071	.00233	-.00268	.00193
SDev	.026	.00173	.00096	.0111	.00155	.00252	.00361
%RSD	.02663	71.085	68.496	.47981	66.612	93.778	187.29
#1	98.569	.00321	-.00142	2.3197	.00412	-.00257	-.00001
#2	98.596	.00363	-.00043	2.3029	.00153	-.00526	-.00030
#3	98.622	.00045	-.00235	2.2987	.00135	-.00023	.00609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00753	.00640
SDev	.00104	.00362
%RSD	13.845	56.641
#1	-.00831	.00832
#2	-.00793	.00866
#3	-.00634	.00222
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34678	--	--	--	--	--	--
SDev	243.9682	--	--	--	--	--	--
%RSD	.7035163	--	--	--	--	--	--
#1	34398	--	--	--	--	--	--
#2	34838	--	--	--	--	--	--
#3	34799	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-2F Operator:
Run Time: 08/18/04 02:16:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49491	-.00005	-.00001	-.00031	.00053	.00090	.01277
SDev	.00125	.00002	.00013	.00067	.00030	.00061	.00014
%RSD	.25221	38.679	1430.3	212.72	55.803	68.650	1.1003
#1	.49467	-.00003	-.00013	.00037	.00040	.00146	.01292
#2	.49380	-.00006	-.00003	-.00035	.00087	.00098	.01265
#3	.49626	-.00005	.00013	-.00096	.00032	.00024	.01275
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00098	-.00062	.00104	.00216	.00053	.00107	.00077
SDev	.00075	.00014	.00098	.00021	.00324	.00234	.00076
%RSD	76.357	22.656	94.207	9.8886	614.59	218.77	99.294
#1	.00185	-.00060	.00214	.00234	.00097	.00186	.00014
#2	.00055	-.00048	.00076	.00192	-.00291	.00291	.00162
#3	.00055	-.00076	.00024	.00222	.00352	-.00157	.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00077	.00209	-.01984	56.199	.02420	19.069	1.2905
SDev	.00261	.00226	.00348	.137	.00714	.064	.0141
%RSD	339.60	108.01	17.567	.24306	29.507	.33548	1.0928
#1	.00375	.00423	-.01706	56.114	.03240	19.016	1.2789
#2	-.00040	.00232	-.01871	56.126	.02080	19.050	1.2864
#3	-.00105	-.00027	-.02375	56.356	.01939	19.140	1.3062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.9012	.00430	-.00175	7.0181	-.00007	-.00271	.00200
SDev	.0291	.00073	.00020	.0136	.00200	.00077	.00081
%RSD	.42135	17.042	11.667	.19375	2723.1	28.509	40.752
#1	6.8877	.00370	-.00198	7.0166	-.00186	-.00315	.00136
#2	6.8814	.00409	-.00163	7.0053	-.00045	-.00182	.00291
#3	6.9346	.00512	-.00163	7.0323	.00209	-.00318	.00173
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00739	.00452
SDev	.00221	.00285
%RSD	29.922	63.067
#1	-.00487	.00772
#2	-.00900	.00356
#3	-.00830	.00227
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34871	--	--	--	--	--	--
SDev	41.43872	--	--	--	--	--	--
%RSD	.1188336	--	--	--	--	--	--
#1	34918	--	--	--	--	--	--
#2	34854	--	--	--	--	--	--
#3	34841	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-3F Operator:
Run Time: 08/18/04 02:24:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17069	-.00001	.00045	.00104	.00132	.00139	6.7591
SDev	.00218	.00006	.00037	.00190	.00150	.00065	.1036
%RSD	1.2775	907.91	82.431	183.25	114.16	46.507	1.5320
#1	.17252	-.00004	.00030	-.00023	.00005	.00130	6.8482
#2	.16827	.00007	.00087	.00323	.00298	.00208	6.6455
#3	.17126	-.00004	.00017	.00012	.00092	.00079	6.7835
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00203	.00139	-.00030	.00238	.00608	-.00500	.00114
SDev	.00250	.00132	.00106	.00141	.00600	.00977	.00130
%RSD	123.39	94.860	353.24	59.153	98.670	195.25	114.26
#1	-.00068	.00043	-.00129	.00121	.00097	L-.01546	.00025
#2	.00426	.00289	.00082	.00394	.01268	.00389	.00264
#3	.00250	.00084	-.00043	.00198	.00458	-.00344	.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.00732	.00010	158.65	.12159	32.479	5.6519
SDev	.00123	.01275	.00557	2.23	.02987	.376	.0901
%RSD	1289.6	174.28	5317.3	1.4049	24.569	1.1578	1.5945
#1	.00015	-.00132	-.00374	160.66	.09456	32.801	5.7269
#2	-.00143	.02197	.00649	156.25	.15366	32.066	5.5519
#3	.00099	.00131	-.00244	159.05	.11654	32.572	5.6768
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.942	.00520	.00094	2.6389	.00473	-.00737	.00490
SDev	.271	.00250	.00432	.0350	.00468	.00864	.00628
%RSD	.51144	47.984	459.27	1.3252	98.936	117.19	128.08
#1	53.169	.00338	-.00254	2.6673	.00291	-.00286	.00129
#2	52.643	.00805	.00577	2.5998	.01004	-.01734	.01215
#3	53.014	.00417	-.00041	2.6495	.00123	-.00192	.00126
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1714

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00888	.00396
SDev	.00968	.00342
%RSD	108.99	86.347
#1	-.00141	.00060
#2	-.01981	.00744
#3	-.00541	.00386
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36170	--	--	--	--	--	--
SDev	1412.648	--	--	--	--	--	--
%RSD	3.905564	--	--	--	--	--	--
#1	35298	--	--	--	--	--	--
#2	37800	--	--	--	--	--	--
#3	35412	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-4F Operator:
Run Time: 08/18/04 02:32:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04754	-.00002	.00009	.00131	.00042	.00053	6.7484
SDev	.00011	.00002	.00016	.00007	.00022	.00020	.0053
%RSD	.22876	90.312	187.44	5.1585	52.257	37.135	.07911
#1	.04750	-.00001	-.00003	.00123	.00045	.00053	6.7494
#2	.04766	-.00005	.00001	.00136	.00062	.00033	6.7531
#3	.04745	-.00001	.00027	.00134	.00019	.00072	6.7426
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00728	.00055	-.00070	.01016	.00274	-.00233	.00122
SDev	.00073	.00027	.00055	.00019	.00180	.00359	.00081
%RSD	10.056	48.587	79.583	1.8353	65.605	154.50	66.427
#1	.00804	.00026	-.00006	.00996	.00218	-.00307	.00086
#2	.00720	.00079	-.00092	.01033	.00475	.00158	.00065
#3	.00658	.00062	-.00110	.01020	.00129	-.00549	.00214
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00087	.00105	.01052	201.61	.15033	51.556	4.5449
SDev	.00214	.00044	.00070	.19	.00916	.045	.0174
%RSD	247.66	41.819	6.6335	.09575	6.0917	.08781	.38174
#1	.00152	.00076	.01037	201.59	.14386	51.516	4.5405
#2	-.00264	.00084	.00991	201.81	.16081	51.605	4.5640
#3	-.00148	.00156	.01128	201.42	.14632	51.548	4.5302
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	105.87	.01104	-.00143	5.4945	.00189	-.00194	.00228
SDev	.24	.00057	.00037	.0118	.00263	.00120	.00137
%RSD	.22763	5.1263	25.642	.21552	138.80	61.853	60.050
#1	105.73	.01170	-.00103	5.5002	.00369	-.00065	.00110
#2	106.15	.01068	-.00175	5.5024	-.00112	-.00302	.00172
#3	105.74	.01076	-.00150	5.4809	.00311	-.00216	.00379
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01118	.00394
SDev	.00115	.00305
%RSD	10.290	77.387
#1	-.01104	.00745
#2	-.01239	.00189
#3	-.01010	.00249
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34901	--	--	--	--	--	--
SDev	118.2976	--	--	--	--	--	--
%RSD	.3389565	--	--	--	--	--	--
#1	34848	--	--	--	--	--	--
#2	34818	--	--	--	--	--	--
#3	35036	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-5F Operator:
Run Time: 08/18/04 02:39:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.34913	-.00000	.00012	.00063	.00039	.00045	3.7000
SDev	.00076	.00002	.00032	.00025	.00042	.00030	.0024
%RSD	.21827	1363.9	254.59	39.239	106.34	67.623	.06538
#1	.34829	-.00002	-.00003	.00072	.00087	.00079	3.6972
#2	.34979	.00002	-.00009	.00082	.00015	.00024	3.7018
#3	.34930	-.00000	.00049	.00035	.00015	.00030	3.7009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00169	-.00003	.00221	.00385	.00540	.00249	.00079
SDev	.00147	.00034	.00057	.00025	.00357	.00144	.00084
%RSD	86.775	1144.6	25.717	6.4109	66.207	57.872	106.87
#1	.00338	.00029	.00190	.00393	.00709	.00086	-.00013
#2	.00095	-.00038	.00287	.00358	.00129	.00302	.00152
#3	.00074	-.00000	.00187	.00405	.00781	.00359	.00097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00029	.00348	-.00637	116.64	.00890	24.852	2.1451
SDev	.00115	.00303	.00279	.18	.00706	.042	.0070
%RSD	395.17	87.135	43.808	.15263	79.340	.16988	.32862
#1	-.00145	.00634	-.00725	116.44	.00232	24.803	2.1531
#2	.00086	.00030	-.00862	116.71	.01636	24.874	2.1397
#3	-.00029	.00380	-.00325	116.78	.00802	24.879	2.1426
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	32.979	.00509	-.00042	5.4191	.00213	-.00219	.00177
SDev	.048	.00119	.00115	.0057	.00302	.00325	.00087
%RSD	.14609	23.385	269.92	.10482	141.90	148.83	49.064
#1	33.007	.00420	.00089	5.4173	-.00127	-.00585	.00222
#2	33.007	.00644	-.00120	5.4255	.00450	-.00107	.00233
#3	32.924	.00464	-.00097	5.4145	.00314	.00037	.00077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01173	.00509
SDev	.00245	.00228
%RSD	20.869	44.800
#1	-.01272	.00385
#2	-.01352	.00772
#3	-.00894	.00370
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35803	--	--	--	--	--	--
SDev	231.1906	--	--	--	--	--	--
%RSD	.6457309	--	--	--	--	--	--
#1	35542	--	--	--	--	--	--
#2	35981	--	--	--	--	--	--
#3	35886	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-6F Operator:
Run Time: 08/18/04 02:47:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01441	-.00004	-.00012	-.00040	.00309	.00100	.00273
SDev	.00013	.00001	.00040	.00058	.00038	.00032	.00019
%RSD	.92526	31.010	332.05	145.26	12.426	31.927	6.9009
#1	.01439	-.00003	-.00058	-.00001	.00353	.00123	.00294
#2	.01455	-.00005	.00010	-.00106	.00285	.00113	.00268
#3	.01428	-.00004	.00012	-.00013	.00288	.00063	.00258
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	-.00058	-.00053	.00427	-.00050	-.00254	.00019
SDev	.00164	.00019	.00035	.00039	.00093	.00152	.00171
%RSD	4007.5	33.150	66.201	9.1322	185.81	60.035	913.27
#1	.00193	-.00060	-.00064	.00454	.00018	-.00429	.00146
#2	-.00079	-.00076	-.00014	.00382	-.00156	-.00183	.00086
#3	-.00102	-.00038	-.00081	.00444	-.00012	-.00150	-.00176
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00060	.00425	-.00404	71.389	.02801	8.6680	1.1816
SDev	.00124	.00065	.00349	.043	.00566	.0194	.0052
%RSD	206.80	15.421	86.314	.06037	20.187	.22366	.43922
#1	.00083	.00361	-.00025	71.434	.02236	8.6852	1.1858
#2	-.00121	.00422	-.00477	71.348	.03367	8.6470	1.1832
#3	-.00142	.00492	-.00711	71.386	.02802	8.6718	1.1758
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.6597	.00232	-.00146	2.9190	-.00030	.00151	-.00097
SDev	.0524	.00092	.00086	.0036	.00178	.00233	.00353
%RSD	.60507	39.734	59.159	.12458	590.93	154.18	362.79
#1	8.6264	.00138	-.00143	2.9231	-.00052	.00156	.00092
#2	8.7201	.00322	-.00061	2.9162	-.00197	-.00084	.00121
#3	8.6326	.00236	-.00234	2.9176	.00158	.00381	-.00464
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01267	.00510
SDev	.00446	.00039
%RSD	35.204	7.5947
#1	-.00757	.00469
#2	-.01459	.00515
#3	-.01585	.00546
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36059	--	--	--	--	--	--
SDev	138.4088	--	--	--	--	--	--
%RSD	.3838406	--	--	--	--	--	--
#1	35911	--	--	--	--	--	--
#2	36080	--	--	--	--	--	--
#3	36186	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-7F Operator:
Run Time: 08/18/04 02:55:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13699	-.00003	-.00004	-.00036	.00003	.00068	.11383
SDev	.00084	.00001	.00019	.00063	.00052	.00021	.00038
%RSD	.61542	39.900	431.46	174.44	1564.4	30.276	.33789
#1	.13684	-.00005	.00015	.00035	.00020	.00089	.11404
#2	.13790	-.00003	-.00022	-.00083	.00045	.00067	.11407
#3	.13623	-.00003	-.00007	-.00060	-.00055	.00048	.11339
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	-.00044	-.00024	.00279	-.00206	-.00476	-.00036
SDev	.00053	.00016	.00010	.00027	.00230	.00226	.00235
%RSD	53.649	36.949	41.184	9.6934	111.62	47.418	647.56
#1	.00129	-.00027	-.00013	.00285	-.00020	-.00721	-.00295
#2	.00129	-.00045	-.00030	.00303	-.00135	-.00278	.00164
#3	.00038	-.00059	-.00030	.00250	-.00463	-.00428	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00196	.00018	-.00111	83.260	.03333	8.3730	.59026
SDev	.00107	.00419	.00204	.284	.00738	.0232	.00544
%RSD	54.540	2386.0	184.08	.34134	22.134	.27742	.92130
#1	.00287	-.00430	.00106	83.302	.03956	8.3759	.59269
#2	.00078	.00083	-.00139	83.521	.03524	8.3946	.59407
#3	.00221	.00399	-.00299	82.957	.02518	8.3484	.58403
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	34.169	.00108	-.00070	5.8250	.00071	-.00502	.00147
SDev	.185	.00024	.00125	.0224	.00076	.00114	.00332
%RSD	.54078	22.621	177.60	.38539	108.16	22.754	225.19
#1	34.125	.00104	.00066	5.8260	.00095	-.00514	-.00232
#2	34.371	.00135	-.00098	5.8469	.00132	-.00382	.00387
#3	34.010	.00086	-.00179	5.8020	-.00015	-.00609	.00188
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01084	.00802
SDev	.00501	.00273
%RSD	46.212	34.082
#1	-.01392	.01093
#2	-.01353	.00760
#3	-.00506	.00551
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35775	--	--	--	--	--	--
SDev	44.98149	--	--	--	--	--	--
%RSD	.1257356	--	--	--	--	--	--
#1	35745	--	--	--	--	--	--
#2	35753	--	--	--	--	--	--
#3	35826	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-8F Operator:
Run Time: 08/18/04 03:02:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18699	-.00001	-.00025	.00203	.00017	.00418	7.1849
SDev	.00102	.00001	.00008	.00044	.00018	.00009	.0486
%RSD	.54547	247.79	33.714	21.455	104.24	2.0278	.67697
#1	.18603	-.00002	-.00017	.00240	.00005	.00416	7.1430
#2	.18687	.00000	-.00034	.00155	.00038	.00411	7.1735
#3	.18806	.00000	-.00024	.00215	.00009	.00428	7.2383
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00230	.00009	-.00086	.00160	.00206	-.00078	.00073
SDev	.00085	.00059	.00060	.00018	.00335	.00672	.00075
%RSD	37.032	676.31	69.758	11.289	162.42	863.27	103.03
#1	.00168	-.00038	-.00080	.00161	.00081	.00695	.00134
#2	.00195	-.00011	-.00148	.00141	.00585	-.00400	-.00011
#3	.00327	.00075	-.00029	.00177	-.00048	-.00528	.00095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00161	-.00069	.01871	267.01	.03157	36.666	.81313
SDev	.00057	.00370	.00329	2.00	.00585	.239	.01018
%RSD	35.569	536.93	17.586	.75089	18.515	.65133	1.2514
#1	.00223	-.00427	.02066	265.23	.02529	36.467	.80430
#2	.00151	-.00092	.01491	266.61	.03256	36.601	.81082
#3	.00110	.00312	.02055	269.18	.03685	36.931	.82426
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	113.41	.00029	-.00202	4.9784	.00266	-.00477	.00296
SDev	.65	.00091	.00083	.0260	.00139	.00472	.00334
%RSD	.57636	318.55	41.204	.52285	52.194	98.902	112.57
#1	112.70	-.00042	-.00289	4.9562	.00273	-.01014	.00656
#2	113.53	.00132	-.00193	4.9719	.00401	-.00128	-.00003
#3	113.99	-.00004	-.00124	5.0070	.00124	-.00289	.00236
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00789	.00603
SDev	.00420	.00281
%RSD	53.233	46.673
#1	-.01247	.00925
#2	-.00421	.00403
#3	-.00700	.00481
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35404	--	--	--	--	--	--
SDev	89.87208	--	--	--	--	--	--
%RSD	.2538492	--	--	--	--	--	--
#1	35333	--	--	--	--	--	--
#2	35505	--	--	--	--	--	--
#3	35374	--	--	--	--	--	--

Method: EPA3 Sample Name: N74617-1 Operator:
Run Time: 08/18/04 03:10:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17375	.00261	.00318	.04855	.24168	.12730	.36430
SDev	.00055	.00002	.00029	.00041	.00118	.00061	.00119
%RSD	.31716	.56393	9.0016	.84444	.48863	.48128	.32620
#1	.17311	.00260	.00301	.04808	.24031	.12659	.36295
#2	.17406	.00261	.00303	.04882	.24238	.12765	.36518
#3	.17407	.00263	.00351	.04876	.24234	.12766	.36477
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03391	.00068	.43217	.18560	.02828	L-.03021	.03083
SDev	.00043	.00007	.00250	.00092	.00611	.00692	.00193
%RSD	1.2814	10.113	.57948	.49586	21.604	22.893	6.2492
#1	.03429	.00066	.42961	.18454	.03053	L-.03237	.03296
#2	.03343	.00062	.43461	.18611	.03295	L-.02248	.03033
#3	.03399	.00075	.43230	.18616	.02137	L-.03580	.02921
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00208	L-.00511	67.526	26.631	331.83	7.8302	7.0343
SDev	.00313	.00505	.244	.096	1.19	.0291	.0245
%RSD	150.68	98.932	.36165	.35972	.35785	.37165	.34778
#1	.00103	L-.01054	67.250	26.522	330.46	7.7966	7.0067
#2	.00559	-.00424	67.614	26.699	332.60	7.8466	7.0535
#3	-.00040	-.00055	67.715	26.674	332.42	7.8474	7.0426
Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.457	.00867	-.02127	35.924	.00986	.03639	.02758
SDev	.111	.00085	.00009	.113	.00189	.00248	.00180
%RSD	.51502	9.8239	.44074	.31409	19.183	6.8143	6.5142
#1	21.484	.00848	-.02136	35.794	.01010	.03924	.02935
#2	21.552	.00793	-.02127	35.980	.00786	.03476	.02763
#3	21.336	.00961	-.02117	35.999	.01162	.03516	.02577
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01203	.00881
SDev	.00755	.00315
%RSD	62.765	35.781
#1	-.00831	.00539
#2	-.00706	.01159
#3	-.02072	.00944
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	37249	--	--	--	--	--	--
SDev	110.0533	--	--	--	--	--	--
%RSD	.2954505	--	--	--	--	--	--
#1	37341	--	--	--	--	--	--
#2	37127	--	--	--	--	--	--
#3	37280	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/18/04 03:18:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q2.1059	2.0989	2.0381	2.0660	2.0719	2.0945	2.0860
SDev	.0035	.0090	.0064	.0067	.0097	.0060	.0086
%RSD	.16430	.42981	.31526	.32594	.46736	.28837	.41241
#1	Q2.1022	2.0903	2.0311	2.0585	2.0613	2.0886	2.0769
#2	Q2.1063	2.0981	2.0392	2.0678	2.0742	2.0943	2.0872
#3	Q2.1091	Q2.1083	2.0438	2.0717	2.0802	Q2.1007	2.0940
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0632	Q.26414	2.0753	2.0476	2.0642	2.0378	2.0417
SDev	.0070	.00079	.0051	.0090	.0034	.0060	.0198
%RSD	.34086	.29822	.24504	.44070	.16283	.29486	.96766
#1	2.0574	Q.26328	2.0712	2.0394	2.0609	2.0311	2.0229
#2	2.0611	Q.26432	2.0737	2.0460	2.0639	2.0395	2.0400
#3	2.0710	Q.26483	2.0810	2.0573	2.0677	2.0428	2.0623
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0483	2.0883	41.853	41.280	Q42.179	Q42.024	Q42.183
SDev	.0256	.0122	.128	.151	.206	.160	.051
%RSD	1.2496	.58552	.30657	.36661	.48885	.38095	.12010
#1	2.0249	2.0742	41.735	41.141	41.990	41.861	Q42.160
#2	2.0444	2.0952	41.836	41.257	Q42.148	Q42.030	Q42.148
#3	2.0756	2.0956	41.990	41.442	Q42.399	Q42.181	Q42.241
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q42.452	2.0676	2.0581	5.2346	2.0564	2.0565	2.0340
SDev	.193	.0116	.0060	.0087	.0057	.0160	.0241
%RSD	.45559	.56067	.29122	.16628	.27712	.77577	1.1849
#1	Q42.268	2.0556	2.0514	5.2246	2.0500	2.0382	2.0149
#2	Q42.434	2.0686	2.0598	5.2387	2.0583	2.0673	2.0200
#3	Q42.654	2.0787	2.0630	5.2405	2.0609	2.0641	2.0611
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

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Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0522	2.0460
SDev	.0208	.0288
%RSD	1.0111	1.4090
#1	2.0294	2.0223
#2	2.0572	2.0377
#3	2.0700	2.0781

Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35888	--	--	--	--	--	--
SDev	299.2359	--	--	--	--	--	--
%RSD	.8337987	--	--	--	--	--	--
#1	36214	--	--	--	--	--	--
#2	35826	--	--	--	--	--	--
#3	35625	--	--	--	--	--	--

Method: EPA3
Run Time: 08/18/04 03:25:57
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: CCB
Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00114	Q.00070	.00040	.00088	.00029	.00034	.00071
SDev	.00032	.00021	.00034	.00030	.00012	.00019	.00017
%RSD	28.107	30.519	84.483	33.656	40.123	56.691	23.693
#1	.00084	.00050	.00017	.00056	.00040	.00049	.00061
#2	.00148	Q.00092	.00078	.00092	.00029	.00012	.00091
#3	.00110	Q.00068	.00024	.00115	.00017	.00041	.00062
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	.00001	.00035	.00053	.00177	-.00143	-.00123
SDev	.00072	.00014	.00072	.00040	.00340	.00209	.00067
%RSD	443.40	1457.0	208.17	75.680	192.07	145.89	54.531
#1	.00052	.00017	-.00048	.00035	.00402	-.00082	-.00193
#2	-.00010	-.00010	.00085	.00099	.00343	-.00376	-.00118
#3	-.00091	-.00004	.00068	.00025	-.00214	.00029	-.00059
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00106	.00236	-.00020	-.03217	.04099	.00252	-.21865
SDev	.00230	.00325	.00478	.00502	.00571	.00467	.01023
%RSD	216.74	137.92	2330.5	15.617	13.940	185.09	4.6789
#1	.00263	Q.00609	-.00232	-.03554	.04192	.00514	-.23000
#2	.00213	.00081	.00526	-.02640	.04618	.00530	-.21015
#3	-.00158	.00017	-.00356	-.03458	.03487	-.00287	-.21580
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.21644	.00263	-.00017	-.01881	.00432	-.00543	.00037
SDev	.09235	.00109	.00044	.00315	.00299	.00378	.00191
%RSD	42.667	41.522	256.31	16.736	69.187	69.664	511.63
#1	-.11343	Q.00378	.00033	-.01908	.00541	-.00825	.00074
#2	-.24407	.00251	-.00036	-.01553	.00662	-.00113	-.00030
#3	-.29183	.00160	-.00048	-.02181	.00094	-.00690	.00207
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00647	.00450
SDev	.00510	.00382
%RSD	78.870	84.907
#1	-.01035	.00880
#2	-.00069	.00322
#3	-.00838	.00149
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36533	--	--	--	--	--	--
SDev	136.9616	--	--	--	--	--	--
%RSD	.3748977	--	--	--	--	--	--
#1	36691	--	--	--	--	--	--
#2	36456	--	--	--	--	--	--
#3	36452	--	--	--	--	--	--

Analysis Report

08/18/04 03:41:17 AM

Method: EPA3
Run Time: 08/18/04 03:33:40
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: N74617-2

Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03240	.00180	.00110	.00637	.19446	.10437	.15941
SDev	.00070	.00007	.00043	.00042	.00461	.00192	.00359
%RSD	2.1680	3.6355	39.376	6.6691	2.3716	1.8415	2.2488
#1	.03219	.00182	.00121	.00589	.19255	.10332	.15770
#2	.03319	.00186	.00146	.00669	.19972	.10659	.16353
#3	.03183	.00173	.00062	.00653	.19111	.10320	.15700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01090	.00019	.47555	.06837	.02869	L-.01996	.02363
SDev	.00078	.00052	.01047	.00101	.00435	.00737	.00135
%RSD	7.1612	269.23	2.2024	1.4802	15.171	36.943	5.7082
#1	.01002	.00063	.47006	.06804	.02406	L-.01717	.02297
#2	.01117	-.00038	.48762	.06951	.03271	L-.02832	.02519
#3	.01151	.00033	.46896	.06757	.02931	L-.01439	.02274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00116	-.00196	29.859	11.284	171.76	2.0892	2.2965
SDev	.00197	.00325	.652	.250	3.80	.0516	.0763
%RSD	169.81	165.92	2.1838	2.2129	2.2142	2.4712	3.3242
#1	.00340	-.00160	29.525	11.171	169.95	2.0658	2.2668
#2	-.00030	L-.00538	30.610	11.571	176.13	2.1484	2.3833
#3	.00038	.00110	29.442	11.112	169.21	2.0534	2.2396
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.585	.00980	-.01831	14.397	.00503	.02427	.02293
SDev	.892	.00079	.00147	.307	.00150	.00070	.00170
%RSD	1.7296	8.0155	8.0102	2.1304	29.850	2.8868	7.4246
#1	50.979	.00902	-.01696	14.245	.00377	.02419	.02195
#2	52.609	.01059	-.01809	14.750	.00670	.02501	.02497
#3	51.166	.00980	-.01987	14.196	.00463	.02361	.02195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01185	.00734
SDev	.00100	.00345
%RSD	8.4609	47.077
#1	-.01295	.01125
#2	-.01099	.00471
#3	-.01159	.00605
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36891	--	--	--	--	--	--
SDev	699.2429	--	--	--	--	--	--
%RSD	1.895447	--	--	--	--	--	--
#1	37178	--	--	--	--	--	--
#2	36094	--	--	--	--	--	--
#3	37401	--	--	--	--	--	--

Method: EPA3 Sample Name: N74617-3 Operator:
Run Time: 08/18/04 03:41:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03473	.00021	.00076	.00167	.02772	.04304	.04141
SDev	.00046	.00002	.00052	.00038	.00014	.00087	.00022
%RSD	1.3259	8.9033	68.411	22.916	.50275	2.0250	.52249
#1	.03422	.00019	.00016	.00194	.02766	.04210	.04138
#2	.03511	.00022	.00106	.00185	.02788	.04381	.04164
#3	.03487	.00021	.00107	.00123	.02763	.04323	.04121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00420	-.00062	.07457	.04991	.01483	-.00999	.00273
SDev	.00129	.00006	.00107	.00022	.00285	.00445	.00318
%RSD	30.724	9.2633	1.4314	.44348	19.250	44.578	116.29
#1	.00280	-.00068	.07536	.05015	.01175	L-.01341	.00462
#2	.00446	-.00061	.07335	.04972	.01739	L-.01160	-.00094
#3	.00534	-.00056	.07498	.04985	.01534	-.00496	.00451
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00545	.00643	8.3628	9.4041	62.032	1.9614	2.8031
SDev	.00320	.00591	.0761	.0379	.292	.0081	.0268
%RSD	58.730	91.921	.90950	.40260	.47053	.41372	.95605
#1	.00481	-.00015	8.2835	9.4213	61.923	1.9540	2.7807
#2	.00893	.01130	8.4351	9.4302	62.363	1.9701	2.8328
#3	.00262	.00813	8.3699	9.3606	61.810	1.9601	2.7957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.964	.00302	-.00664	7.4739	-.00312	.00120	.00308
SDev	.289	.00170	.00084	.0449	.00471	.00468	.00243
%RSD	1.3790	56.471	12.676	.60073	150.73	389.52	78.908
#1	20.636	.00431	-.00619	7.4372	.00186	.00390	.00457
#2	21.180	.00109	-.00762	7.5239	-.00750	-.00421	.00027
#3	21.076	.00367	-.00612	7.4605	-.00374	.00391	.00440
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01697	.01633
SDev	.00384	.00666
%RSD	22.660	40.776
#1	-.01489	.01433
#2	-.02140	.02375
#3	-.01461	.01090
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35681	--	--	--	--	--	--
SDev	299.7511	--	--	--	--	--	--
%RSD	.8400781	--	--	--	--	--	--
#1	35956	--	--	--	--	--	--
#2	35362	--	--	--	--	--	--
#3	35726	--	--	--	--	--	--

Method: EPA3 Sample Name: N74940-3 Operator:
Run Time: 08/18/04 03:49:03
Comment:
Mode: CONC Corr. Factor: 1

see rerun for Sb. bad replicate

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00984	.00060	.00040	.00187	.00120	.00145	.00100
SDev	.00036	.00010	.00076	.00277	.00213	.00126	.00029
%RSD	3.6121	17.184	188.20	148.21	177.76	86.889	29.261
#1	.00956	.00052	.00031	.00070	-.00051	.00097	.00088
#2	.01024	.00072	.00121	.00503	.00358	.00289	.00133
#3	.00972	.00057	-.00031	-.00013	.00052	.00051	.00078
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00389	.00097	.00129	.00904	.00403	.00301	-.00119
SDev	.00237	.00166	.00277	.00180	.00843	.00886	.00043
%RSD	60.904	171.62	214.96	19.869	209.32	294.15	36.526
#1	.00247	-.00027	-.00014	.00818	.00093	-.00722	-.00128
#2	.00663	.00285	.00448	.01111	H.01357	.00795	-.00157
#3	.00258	.00032	-.00047	.00784	-.00242	.00831	-.00072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00059	H.00909	.01682	.03277	.04647	.01521	-.24507
SDev	.00137	.01115	.01066	.00293	.04352	.01890	.02410
%RSD	233.47	122.74	63.357	8.9530	93.643	124.25	9.8354
#1	-.00099	.00007	.00935	.03126	.01522	.00110	-.22964
#2	.00151	H.02156	.02902	.03615	.09617	.03668	-.27285
#3	.00123	H.00563	.01208	.03090	.02802	.00785	-.23274
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45283	.00179	.00271	H.36089	.00383	-.00192	-.00130
SDev	.33877	.00322	.00708	.00841	.00903	.00330	.00223
%RSD	74.812	180.48	261.43	2.3310	235.75	171.89	171.26
#1	.19787	.00031	-.00179	H.35617	-.00152	-.00311	-.00083
#2	.83724	H.00548	.01087	H.37061	H.01425	.00181	-.00177
#3	.32339	-.00044	-.00096	H.35590	-.00124	-.00445	.00065
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00890	.00500
SDev	.00431	.00222
%RSD	48.414	44.434
#1	-.01062	.00350
#2	-.00400	.00395
#3	-.01209	.00756
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36540	--	--	--	--	--	--
SDev	1027.692	--	--	--	--	--	--
%RSD	2.812533	--	--	--	--	--	--
#1	35864	--	--	--	--	--	--
#2	37722	--	--	--	--	--	--
#3	36033	--	--	--	--	--	--

Method: EPA3 Sample Name: N74940-1F Operator:
Run Time: 08/18/04 03:56:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13990	-.00000	.00000	-.00040	.00052	.00033	.00967
SDev	.00025	.00000	.00016	.00069	.00039	.00011	.00011
%RSD	.17589	315.38	13503.	172.54	75.293	33.322	1.1727
#1	.13976	.00000	.00014	-.00000	.00071	.00031	.00963
#2	.14019	-.00000	-.00017	-.00000	.00079	.00023	.00979
#3	.13976	-.00000	.00003	-.00119	.00007	.00045	.00957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00164	-.00014	-.00018	.01658	-.00004	-.00691	-.00063
SDev	.00122	.00010	.00043	.00033	.00367	.00516	.00095
%RSD	74.287	74.080	233.55	1.9968	8690.4	74.710	150.60
#1	.00294	-.00003	-.00012	.01632	.00175	-.00136	-.00070
#2	.00147	-.00016	.00021	.01695	.00238	L-.01156	.00035
#3	.00052	-.00023	-.00064	.01648	-.00426	-.00780	-.00154
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00276	.00305	.00002	66.394	.02764	4.5960	2.2934
SDev	.00103	.00153	.00357	.116	.00935	.0045	.0051
%RSD	37.229	50.261	17997.	.17468	33.823	.09712	.22199
#1	.00345	.00350	.00267	66.518	.03679	4.5984	2.2986
#2	.00325	.00134	.00144	66.378	.02803	4.5988	2.2931
#3	.00158	.00431	-.00404	66.287	.01810	4.5908	2.2884
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	27.540	.00011	-.00087	8.1982	-.00006	-.00263	-.00011
SDev	.142	.00162	.00024	.0171	.00136	.00365	.00066
%RSD	.51586	1455.4	27.629	.20833	2244.4	138.91	623.27
#1	27.679	.00139	-.00111	8.2128	.00068	-.00432	.00061
#2	27.395	.00066	-.00063	8.2024	-.00163	.00156	-.00068
#3	27.546	-.00171	-.00085	8.1794	.00077	-.00512	-.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00881	.00821
SDev	.00097	.00140
%RSD	10.990	17.035
#1	-.00771	.00870
#2	-.00952	.00930
#3	-.00919	.00663
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35658	--	--	--	--	--	--
SDev	197.2243	--	--	--	--	--	--
%RSD	.5530935	--	--	--	--	--	--
#1	35483	--	--	--	--	--	--
#2	35620	--	--	--	--	--	--
#3	35872	--	--	--	--	--	--

Method: EPA3 Sample Name: N74940-3F Operator:
Run Time: 08/18/04 04:04:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01064	.00052	-.00026	.00015	-.00014	.00032	.00119
SDev	.00021	.00001	.00026	.00045	.00045	.00018	.00007
%RSD	1.9965	1.2021	102.74	295.42	322.19	57.058	6.0718
#1	.01084	.00051	-.00011	.00034	.00031	.00035	.00112
#2	.01067	.00053	-.00010	.00047	-.00058	.00047	.00119
#3	.01041	.00052	-.00056	-.00036	-.00014	.00012	.00127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00276	-.00036	-.00058	.00766	-.00117	-.00590	-.00075
SDev	.00030	.00026	.00085	.00051	.00143	.00617	.00062
%RSD	10.691	73.124	147.01	6.6055	122.43	104.67	82.309
#1	.00243	-.00040	-.00148	.00824	-.00280	-.00355	-.00004
#2	.00299	-.00008	.00021	.00737	-.00056	L-.01290	-.00111
#3	.00287	-.00060	-.00047	.00737	-.00014	-.00124	-.00111
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	.00410	-.00014	.05038	.03568	.00869	-.20688
SDev	.00230	.00092	.00214	.00197	.00832	.00316	.01927
%RSD	309.08	22.336	1481.7	3.8995	23.312	36.378	9.3148
#1	.00012	.00312	.00019	.05233	.02953	.00709	-.22583
#2	-.00118	.00493	-.00244	.05042	.03237	.00665	-.18730
#3	.00329	.00424	.00181	.04840	.04515	.01233	-.20750
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.27223	.00024	-.00100	.37376	.00284	-.00245	-.00040
SDev	.09934	.00072	.00112	.00494	.00149	.00108	.00133
%RSD	36.490	296.64	111.51	1.3211	52.252	44.178	328.19
#1	.16013	.00107	-.00073	.37377	.00414	-.00320	.00104
#2	.34932	-.00028	-.00005	.37870	.00317	-.00121	-.00152
#3	.30725	-.00006	-.00223	.36882	.00122	-.00296	-.00069
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1740

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01402	.00779
SDev	.00165	.00428
%RSD	11.762	54.880
#1	-.01351	.00660
#2	-.01268	.00423
#3	-.01586	.01253
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35902	--	--	--	--	--	--
SDev	275.3318	--	--	--	--	--	--
%RSD	.7668953	--	--	--	--	--	--
#1	36044	--	--	--	--	--	--
#2	35585	--	--	--	--	--	--
#3	36078	--	--	--	--	--	--

Method: EPA3 Sample Name: N74585-FBCONF Operator:
Run Time: 08/18/04 04:12:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00219	-.00005	-.00008	-.00036	-.00048	.00010	-.00019
SDev	.00009	.00000	.00018	.00012	.00028	.00061	.00000
%RSD	4.3085	3.9896	220.91	33.238	59.016	598.64	.69847
#1	.00208	-.00005	-.00019	-.00048	-.00025	.00021	-.00019
#2	.00227	-.00005	.00013	-.00036	-.00038	-.00056	-.00020
#3	.00222	-.00005	-.00018	-.00024	-.00079	.00065	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00081	-.00018	-.00002	.00074	.00008	-.00724	.00018
SDev	.00032	.00029	.00035	.00006	.00376	.00372	.00226
%RSD	40.038	161.93	1481.1	7.7164	4503.5	51.395	1235.2
#1	-.00118	.00005	.00037	.00080	.00166	-.00295	.00233
#2	-.00061	-.00009	-.00031	.00073	-.00420	-.00956	-.00218
#3	-.00063	-.00050	-.00013	.00069	.00279	-.00921	.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	.00020	-.01933	-.03226	.01380	-.01111	-.26188
SDev	.00124	.00147	.00080	.00008	.00884	.00210	.01003
%RSD	2187.7	722.70	4.1409	.24526	64.075	18.883	3.8302
#1	-.00136	.00189	-.02022	-.03218	.00390	-.00988	-.26309
#2	.00098	-.00082	-.01867	-.03234	.02090	-.00992	-.27126
#3	.00055	-.00046	-.01910	-.03226	.01659	-.01353	-.25130
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.04882	.00087	-.00106	.00718	.00294	-.00495	.00230
SDev	.10799	.00033	.00072	.00106	.00240	.00377	.00155
%RSD	221.21	38.237	67.847	14.762	81.556	76.188	67.185
#1	-.15832	.00055	-.00028	.00775	.00326	-.00172	.00393
#2	-.04572	.00083	-.00120	.00783	.00517	-.00909	.00078
#3	.05759	.00121	-.00169	.00596	.00040	-.00404	.00212
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1742

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00563	.00257
SDev	.00208	.00126
%RSD	36.965	49.274
#1	-.00771	.00148
#2	-.00565	.00395
#3	-.00354	.00226
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35686	--	--	--	--	--	--
SDev	163.7322	--	--	--	--	--	--
%RSD	.4588187	--	--	--	--	--	--
#1	35655	--	--	--	--	--	--
#2	35862	--	--	--	--	--	--
#3	35539	--	--	--	--	--	--

Method: EPA3 Sample Name: N74940-FBCONF Operator:
Run Time: 08/18/04 04:19:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00212	-.00003	-.00010	-.00008	-.00011	.00064	-.00004
SDev	.00010	.00002	.00018	.00045	.00046	.00030	.00005
%RSD	4.5288	59.588	178.75	557.28	419.05	46.092	110.66
#1	.00203	-.00006	-.00016	-.00060	-.00017	.00091	-.00009
#2	.00212	-.00002	.00010	.00012	-.00054	.00033	.00000
#3	.00222	-.00002	-.00024	.00024	.00038	.00068	-.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00058	.00018	-.00081	-.00012	.00050	-.00421	-.00081
SDev	.00144	.00026	.00017	.00019	.00077	.00206	.00151
%RSD	248.25	141.15	20.843	160.63	155.65	48.965	187.54
#1	-.00199	.00022	-.00081	-.00025	.00001	-.00655	-.00050
#2	-.00064	.00042	-.00064	.00010	.00139	-.00265	.00053
#3	.00089	-.00009	-.00098	-.00019	.00009	-.00343	-.00245
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00101	.00139	-.01274	-.02887	.01571	-.00591	-.22400
SDev	.00508	.00101	.00031	.00062	.00540	.00278	.00257
%RSD	504.50	72.350	2.4583	2.1559	34.344	46.960	1.1470
#1	-.00061	.00077	-.01253	-.02901	.00953	-.00909	-.22173
#2	.00386	.00256	-.01310	-.02819	.01951	-.00398	-.22679
#3	L-.00627	.00085	-.01259	-.02942	.01810	-.00467	-.22346
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.19372	.00098	-.00123	.01236	-.00003	-.00452	.00061
SDev	.05404	.00051	.00105	.00119	.00145	.00061	.00194
%RSD	27.895	51.488	86.067	9.6164	4324.1	13.530	317.12
#1	-.25541	.00042	-.00123	.01206	-.00117	-.00435	.00100
#2	-.15477	.00114	-.00228	.01134	.00160	-.00401	.00338
#3	-.17098	.00139	-.00017	.01366	-.00053	-.00520	-.00150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01275	.00451
SDev	.00587	.00467
%RSD	46.013	103.45
#1	-.01266	.00507
#2	-.00693	.00888
#3	-.01866	-.00041
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35511	--	--	--	--	--	--
SDev	68.06680	--	--	--	--	--	--
%RSD	.1916770	--	--	--	--	--	--
#1	35467	--	--	--	--	--	--
#2	35590	--	--	--	--	--	--
#3	35477	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26805-MB1 Operator:
Run Time: 08/18/04 04:27:34
Comment:
Mode: CONC Corr. Factor: 1

see remm for Pb
MD 8/18/04

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00326	-.00003	.00026	-.00013	.00034	.00035	.00027
SDev	.00013	.00000	.00024	.00054	.00031	.00009	.00003
%RSD	3.9591	7.8897	91.951	422.19	92.020	26.113	10.482
#1	.00326	-.00003	.00011	-.00001	.00048	.00039	.00030
#2	.00312	-.00003	.00014	.00034	.00055	.00024	.00029
#3	.00338	-.00003	.00054	-.00071	-.00002	.00041	.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00070	-.00011	-.00054	.00028	-.00061	-.00609	-.00223
SDev	.00134	.00035	.00042	.00040	.00343	.00256	.00230
%RSD	189.92	329.45	77.851	144.62	561.19	41.986	102.87
#1	-.00023	-.00044	-.00098	-.00014	.00022	-.00904	-.00217
#2	.00224	.00026	-.00015	.00066	.00233	-.00451	.00003
#3	.00011	-.00014	-.00048	.00032	-.00437	-.00472	L-.00457
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	H.00734	-.01874	-.02557	.00924	-.00586	-.24167
SDev	.00032	.00180	.00263	.00037	.00579	.00217	.00205
%RSD	383.26	24.478	14.035	1.4389	62.692	37.112	.85007
#1	.00021	H.00616	-.02177	-.02515	.00275	-.00627	-.23997
#2	-.00004	H.00646	-.01727	-.02582	.01389	-.00351	-.24395
#3	-.00042	H.00941	-.01717	-.02574	.01109	-.00779	-.24110
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20038	.00070	-.00111	.00002	.00048	-.00613	-.00079
SDev	.06842	.00110	.00099	.00258	.00284	.00306	.00320
%RSD	34.143	156.57	88.602	11421.	588.04	49.927	406.08
#1	.12190	-.00020	-.00109	.00171	-.00134	-.00283	-.00234
#2	.24743	.00038	-.00014	-.00295	.00376	-.00668	.00099
#3	.23182	.00192	-.00212	.00130	-.00097	-.00887	-.00291
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00948	.00428
SDev	.00216	.00089
%RSD	22.765	20.764
#1	-.00953	.00475
#2	-.00730	.00326
#3	-.01161	.00484
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36062	--	--	--	--	--	--
SDev	190.5216	--	--	--	--	--	--
%RSD	.5283149	--	--	--	--	--	--
#1	35864	--	--	--	--	--	--
#2	36244	--	--	--	--	--	--
#3	36078	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26805-LC1 Operator:
Run Time: 08/18/04 04:35:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51155	.50493	.49226	.50354	.49391	.51148	.50612
SDev	.00958	.01099	.00993	.01052	.01173	.01048	.01066
%RSD	1.8719	2.1765	2.0174	2.0884	2.3758	2.0498	2.1070
#1	.50054	.49228	.48093	.49155	.48037	.49941	.49383
#2	.51621	.51035	.49636	.50788	.50016	.51673	.51159
#3	.51790	.51215	.49948	.51120	.50120	.51830	.51294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.40000	.40000	.40000	.40000	.40000	.40000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49491	.20003	.49704	.49717	.50135	.49090	.49815
SDev	.01029	.00430	.01030	.01008	.01591	.00632	.01345
%RSD	2.0800	2.1485	2.0713	2.0282	3.1745	1.2875	2.6998
#1	.48336	.19508	.48516	.48554	.48347	.48412	.48410
#2	.49828	.20228	.50265	.50339	.50663	.49662	.49944
#3	.50310	.20274	.50331	.50259	.51395	.49196	.51091
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.24000	.60000	.60000	.60000	.60000	.60000
Low	.40000	.16000	.40000	.40000	.40000	.40000	.40000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51033	.51214	5.1075	5.5657	5.4678	5.7177	5.2247
SDev	.01219	.00918	.1025	.1182	.1184	.1180	.0818
%RSD	2.3897	1.7928	2.0065	2.1232	2.1647	2.0641	1.5659
#1	.49641	.50184	4.9897	5.4296	5.3312	5.5816	5.1303
#2	.51542	.51509	5.1571	5.6252	5.5362	5.7799	5.2703
#3	.51915	.51948	5.1758	5.6423	5.5362	5.7916	5.2735
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.60000	6.0000	6.6000	6.6000	6.6000	6.0000
Low	.40000	.40000	4.0000	4.4000	4.4000	4.4000	4.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9096	.50178	L-.00206	H.10468	L-.00002	.50672	.49339
SDev	.2093	.01108	.00103	.00428	.00178	.02420	.00892
%RSD	4.2635	2.2086	49.900	4.0844	8908.4	4.7765	1.8084
#1	4.6753	.48911	L-.00323	H.10087	L-.00031	.48520	.48314
#2	4.9754	.50657	L-.00159	H.10387	L-.00163	.50204	.49763
#3	5.0782	.50966	L-.00135	H.10930	H.00189	.53292	.49940
Errors	LC Pass	LC Pass	LC Low	LC High	LC Low	NOCHECK	NOCHECK

High	6.0000	.60000	.00000	.00000	.00000
Low	4.0000	.40000	.00000	.00000	.00000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.51316	.50857
SDev	.02585	.00832
%RSD	5.0377	1.6358
#1	.48803	.50026
#2	.51178	.51690
#3	.53968	.50855
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35432	--	--	--	--	--	--
SDev	58.05472	--	--	--	--	--	--
%RSD	.1638470	--	--	--	--	--	--
#1	35454	--	--	--	--	--	--
#2	35366	--	--	--	--	--	--
#3	35476	--	--	--	--	--	--

Method: EPA3 Sample Name: CCV Operator:
Run Time: 08/18/04 04:43:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q2.1414	Q2.1274	2.0569	2.0985	2.0957	Q2.1316	Q2.1154
SDev	.0037	.0044	.0067	.0039	.0056	.0045	.0035
%RSD	.17058	.20560	.32356	.18546	.26575	.20995	.16632
#1	Q2.1392	Q2.1230	2.0514	2.0953	2.0907	Q2.1317	Q2.1128
#2	Q2.1456	Q2.1317	2.0643	Q2.1028	Q2.1017	Q2.1361	Q2.1194
#3	Q2.1394	Q2.1275	2.0551	2.0974	2.0946	Q2.1271	Q2.1140
Errors	QC Fail	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0808	Q.26813	2.0896	2.0668	2.0774	2.0655	2.0582
SDev	.0041	.00030	.0059	.0049	.0070	.0133	.0090
%RSD	.19495	.11281	.28367	.23635	.33707	.64158	.43782
#1	2.0766	Q.26781	2.0883	2.0617	2.0842	2.0803	2.0478
#2	2.0847	Q.26841	2.0961	2.0715	2.0779	2.0615	2.0644
#3	2.0811	Q.26817	2.0845	2.0672	2.0702	2.0547	2.0622
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0608	Q2.1189	Q42.529	41.867	Q42.570	Q42.464	Q43.078
SDev	.0100	.0136	.113	.088	.126	.112	.128
%RSD	.48653	.64028	.26492	.21011	.29512	.26327	.29625
#1	2.0493	Q2.1128	Q42.483	41.787	Q42.485	Q42.384	Q43.048
#2	2.0671	Q2.1344	Q42.657	41.961	Q42.714	Q42.592	Q43.218
#3	2.0660	Q2.1094	Q42.446	41.854	Q42.512	Q42.417	Q42.968
Errors	QC Pass	QC Fail	QC Fail	QC Pass	QC Fail	QC Fail	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q43.177	2.0861	2.0960	Q5.3092	2.0728	2.0782	2.0477
SDev	.194	.0066	.0035	.0062	.0034	.0140	.0098
%RSD	.44878	.31641	.16555	.11660	.16562	.67169	.47890
#1	Q43.393	2.0830	2.0958	Q5.3053	2.0693	2.0683	2.0373
#2	Q43.120	2.0936	2.0996	Q5.3163	2.0762	2.0942	2.0491
#3	Q43.018	2.0815	2.0927	Q5.3059	2.0731	2.0722	2.0568
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0711	2.0553
SDev	.0117	.0162
%RSD	.56345	.78675
#1	2.0719	2.0376
#2	2.0823	2.0592
#3	2.0590	2.0692
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35165	--	--	--	--	--	--
SDev	164.3854	--	--	--	--	--	--
%RSD	.4674715	--	--	--	--	--	--
#1	35286	--	--	--	--	--	--
#2	34978	--	--	--	--	--	--
#3	35231	--	--	--	--	--	--

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Method: EPA3 | Sample Name: CCB | Operator:
Run Time: 08/18/04 04:50:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00129	Q.00064	.00042	.00046	.00005	.00061	.00041
SDev	.00022	.00016	.00038	.00031	.00017	.00086	.00020
%RSD	16.878	25.253	92.093	66.542	328.18	142.41	50.155
#1	.00125	Q.00054	.00051	.00035	.00003	.00086	.00024
#2	.00153	Q.00082	.00075	.00023	.00023	.00132	.00063
#3	.00110	Q.00055	-.00000	.00081	-.00010	-.00036	.00034
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00048	-.00001	-.00037	.00038	.00030	-.00345	-.00126
SDev	.00116	.00018	.00083	.00021	.00395	.00134	.00169
%RSD	239.44	1309.0	225.03	56.326	1309.3	38.730	133.82
#1	-.00099	.00019	.00019	.00044	.00166	-.00411	-.00089
#2	-.00130	-.00009	.00003	.00055	-.00415	-.00192	Q-.00311
#3	.00084	-.00014	-.00132	.00014	.00339	-.00434	.00021
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00404	.00043	-.01222	-.03942	.01342	-.00313	-.19707
SDev	.00196	.00227	.00242	.00331	.00707	.00493	.01155
%RSD	48.469	531.02	19.792	8.3900	52.729	157.73	5.8626
#1	.00478	-.00147	-.01337	-.04043	.00680	-.00629	-.18630
#2	Q.00551	-.00019	-.00944	-.03572	.02087	.00256	-.19565
#3	.00182	.00294	-.01384	-.04210	.01258	-.00564	-.20928
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.02026	.00207	-.00115	-.02099	.00508	-.00370	-.00054
SDev	.17236	.00017	.00074	.00183	.00201	.00372	.00380
%RSD	850.77	8.0323	64.002	8.7285	39.568	100.52	697.90
#1	-.12407	.00213	-.00085	-.01896	.00278	-.00041	-.00163
#2	-.11541	.00220	-.00061	-.02150	.00597	-.00295	-.00368
#3	.17871	.00188	-.00199	-.02252	.00649	-.00773	.00368
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

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Value	.00000	.00000	.00000	.00000	
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00263	.00704
SDev	.00241	.00238
%RSD	91.669	33.783
#1	-.00000	.00684
#2	-.00315	.00951
#3	-.00475	.00477
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36027	--	--	--	--	--	--
SDev	118.3260	--	--	--	--	--	--
%RSD	.3284402	--	--	--	--	--	--
#1	35921	--	--	--	--	--	--
#2	36005	--	--	--	--	--	--
#3	36154	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26805-B1 Operator:
Run Time: 08/18/04 04:58:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1059	.05294	.05263	.52391	.20781	.26992	.53138
SDev	.0113	.00032	.00029	.00275	.00106	.00085	.00282
%RSD	.53453	.60163	.55887	.52391	.51206	.31356	.53082
#1	2.1181	.05331	.05264	.52697	.20903	.27071	.53460
#2	2.0959	.05271	.05233	.52168	.20705	.26902	.52934
#3	2.1037	.05281	.05292	.52306	.20736	.27004	.53019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51207	.05238	.51972	.52469	2.0259	2.0560	.51259
SDev	.00146	.00029	.00345	.00324	.0110	.0056	.00107
%RSD	.28428	.55514	.66453	.61798	.54507	.27404	.20805
#1	.51341	.05267	.52363	.52841	2.0384	2.0622	.51336
#2	.51052	.05209	.51711	.52327	2.0219	2.0547	.51304
#3	.51227	.05236	.51840	.52241	2.0175	2.0511	.51137
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9537	.51945	2.1209	27.247	1.0158	26.830	27.522
SDev	.0132	.00177	.0093	.142	.0112	.122	.133
%RSD	.67718	.34000	.43657	.52146	1.1051	.45345	.48189
#1	1.9683	.52024	2.1275	27.409	1.0287	26.970	27.605
#2	1.9503	.52069	2.1103	27.142	1.0094	26.748	27.369
#3	1.9425	.51743	2.1248	27.191	1.0091	26.773	27.592
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	27.704	2.1501	2.1853	4.5419	2.0726	.51605	.51047
SDev	.129	.0067	.0081	.0211	.0059	.00221	.00181
%RSD	.46435	.31132	.36867	.46483	.28529	.42743	.35555
#1	27.847	2.1575	2.1936	4.5651	2.0779	.51412	.51247
#2	27.598	2.1445	2.1775	4.5238	2.0662	.51845	.51093
#3	27.667	2.1482	2.1848	4.5368	2.0737	.51559	.50893
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9768	1.9418
SDev	.0128	.0135
%RSD	.64825	.69690
#1	1.9901	1.9570
#2	1.9759	1.9372
#3	1.9645	1.9311
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35289	--	--	--	--	--	--
SDev	238.4767	--	--	--	--	--	--
%RSD	.6757857	--	--	--	--	--	--
#1	35021	--	--	--	--	--	--
#2	35368	--	--	--	--	--	--
#3	35478	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26805-S1 Operator:
Run Time: 08/18/04 05:06:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1235	.05118	.05165	.50823	.20522	.27006	.53993
SDev	.0124	.00037	.00084	.00296	.00148	.00181	.00346
%RSD	.58241	.73036	1.6179	.58148	.72341	.67097	.64016
#1	2.1214	.05119	.05088	.50816	.20434	.27034	.53972
#2	2.1368	.05155	.05254	.51122	.20693	.27171	.54349
#3	2.1123	.05080	.05153	.50531	.20438	.26812	.53659
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50077	.05139	.51360	.50882	1.9729	2.0069	.50000
SDev	.00454	.00037	.00215	.00387	.0118	.0090	.00262
%RSD	.90673	.72356	.41919	.76084	.59942	.45041	.52395
#1	.50197	.05111	.51303	.50892	1.9702	1.9986	.49991
#2	.50459	.05181	.51598	.51264	1.9858	2.0165	.50266
#3	.49575	.05124	.51179	.50490	1.9626	2.0055	.49742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9005	.50821	2.4095	38.295	1.3908	26.698	60.013
SDev	.0160	.00391	.0212	.278	.0108	.195	.448
%RSD	.84187	.77000	.88122	.72543	.77866	.73147	.74657
#1	1.9048	.51142	2.4000	38.250	1.3933	26.677	59.752
#2	1.9138	.50935	2.4339	38.593	1.3789	26.902	60.530
#3	1.8827	.50385	2.3947	38.043	1.4002	26.514	59.757
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	59.695	2.0935	2.1556	7.6818	2.0111	.50338	.49790
SDev	.251	.0142	.0154	.0552	.0104	.00093	.00356
%RSD	.42108	.67917	.71342	.71895	.51524	.18444	.71500
#1	59.489	2.0900	2.1517	7.6764	2.0150	.50392	.49752
#2	59.975	2.1092	2.1726	7.7395	2.0190	.50392	.50164
#3	59.621	2.0814	2.1425	7.6294	1.9994	.50231	.49904
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9210	1.8898
SDev	.0190	.0151
%RSD	.98714	.79876
#1	1.9202	1.8968
#2	1.9404	1.9002
#3	1.9025	1.8725
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34941	--	--	--	--	--	--
SDev	268.2864	--	--	--	--	--	--
%RSD	.7678195	--	--	--	--	--	--
#1	34898	--	--	--	--	--	--
#2	34698	--	--	--	--	--	--
#3	35229	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26805-S2 Operator:
Run Time: 08/18/04 05:13:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0913	.05056	.05045	.50269	.20285	.26561	.53340
SDev	.0073	.00018	.00004	.00102	.00050	.00127	.00160
%RSD	.34980	.35029	.07317	.20359	.24779	.47755	.30063
#1	2.0983	.05076	.05048	.50380	.20295	.26706	.53524
#2	2.0919	.05049	.05041	.50249	.20230	.26510	.53266
#3	2.0837	.05042	.05047	.50179	.20329	.26468	.53229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49716	.05074	.50791	.50501	1.9495	1.9893	.49577
SDev	.00166	.00001	.00148	.00140	.0061	.0095	.00051
%RSD	.33376	.01582	.29223	.27828	.31201	.47682	.10214
#1	.49749	.05075	.50962	.50604	1.9556	2.0002	.49621
#2	.49863	.05074	.50707	.50341	1.9494	1.9831	.49589
#3	.49536	.05074	.50703	.50557	1.9434	1.9846	.49522
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8856	.50429	2.3637	38.165	1.3859	26.485	59.643
SDev	.0117	.00574	.0058	.117	.0044	.079	.189
%RSD	.62216	1.1375	.24575	.30670	.31603	.29668	.31717
#1	1.8980	.50991	2.3687	38.298	1.3819	26.575	59.816
#2	1.8842	.49844	2.3650	38.117	1.3906	26.451	59.671
#3	1.8747	.50452	2.3573	38.079	1.3851	26.430	59.441
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	59.197	2.0725	2.1237	7.5039	1.9973	.50341	.49158
SDev	.038	.0038	.0066	.0322	.0047	.00287	.00118
%RSD	.06398	.18462	.30904	.42893	.23772	.57011	.24016
#1	59.208	2.0760	2.1300	7.5381	2.0028	.50308	.49243
#2	59.154	2.0731	2.1241	7.4994	1.9942	.50642	.49024
#3	59.227	2.0685	2.1169	7.4743	1.9949	.50071	.49188
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	1.9154	1.8704
SDev	.0151	.0109
%RSD	.78646	.58180
#1	1.9327	1.8803
#2	1.9076	1.8722
#3	1.9058	1.8588
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35230	--	--	--	--	--	--
SDev	218.9763	--	--	--	--	--	--
%RSD	.6215692	--	--	--	--	--	--
#1	34989	--	--	--	--	--	--
#2	35283	--	--	--	--	--	--
#3	35417	--	--	--	--	--	--

Method: EPA3 Sample Name: N75087-1 Operator:
Run Time: 08/18/04 05:21:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04448	.00000	.00049	.00093	.00322	.00168	.02132
SDev	.00012	.00004	.00009	.00070	.00040	.00032	.00006
%RSD	.26459	3289.5	19.377	75.192	12.602	19.227	.26772
#1	.04435	.00005	.00050	.00163	.00368	.00190	.02127
#2	.04455	-.00002	.00039	.00092	.00293	.00131	.02132
#3	.04455	-.00002	.00057	.00023	.00304	.00183	.02138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00427	-.00003	.00689	.00765	-.00080	-.00305	.00019
SDev	.00092	.00042	.00083	.00027	.00340	.00420	.00280
%RSD	21.473	1593.5	12.000	3.5864	426.20	137.47	1455.1
#1	.00511	.00038	.00778	.00740	-.00173	-.00789	.00280
#2	.00329	-.00046	.00675	.00760	.00297	-.00034	-.00277
#3	.00440	-.00000	.00615	.00795	-.00364	-.00093	.00055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00153	.00610	.14555	11.695	.38112	.65458	33.388
SDev	.00090	.00278	.00165	.033	.00817	.00339	.174
%RSD	58.825	45.543	1.1321	.28349	2.1425	.51828	.52177
#1	.00051	.00420	.14469	11.658	.38266	.65202	33.222
#2	.00223	.00481	.14450	11.707	.37230	.65843	33.372
#3	.00184	.00929	.14745	11.722	.38841	.65329	33.569
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	31.493	.00403	-.00094	3.1124	.00453	-.00098	.00031
SDev	.252	.00065	.00156	.0119	.00372	.00691	.00138
%RSD	.79914	16.130	165.45	.38307	82.121	705.98	444.18
#1	31.276	.00453	.00055	3.1008	.00881	.00375	.00187
#2	31.435	.00330	-.00082	3.1118	.00211	-.00891	-.00020
#3	31.769	.00427	-.00256	3.1246	.00266	.00223	-.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1760

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01104	.00748
SDev	.00337	.00071
%RSD	30.557	9.4251
#1	-.01485	.00787
#2	-.00979	.00791
#3	-.00847	.00667
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36354	--	--	--	--	--	--
SDev	133.9420	--	--	--	--	--	--
%RSD	.3684395	--	--	--	--	--	--
#1	36338	--	--	--	--	--	--
#2	36495	--	--	--	--	--	--
#3	36229	--	--	--	--	--	--

Method: EPA3 Sample Name: MP26805-SD1 Operator:
Run Time: 08/18/04 05:29:16
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05703	-.00026	-.00182	-.00042	.00012	.00126	.02420
SDev	.00030	.00020	.00161	.00206	.00161	.00131	.00025
%RSD	.51782	77.926	88.210	488.96	1301.0	103.81	1.0386
#1	.05737	-.00038	-.00347	-.00062	.00096	.00276	.02424
#2	.05687	-.00003	-.00175	-.00238	-.00173	.00032	.02393
#3	.05685	-.00038	-.00025	.00174	.00115	.00071	.02442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00115	-.00169	.00389	.01421	-.00248	.00554	L-.00798
SDev	.00919	.00151	.00270	.00018	.02233	.02320	.00546
%RSD	798.10	89.715	69.395	1.2885	899.87	418.98	68.471
#1	-.01133	-.00337	.00697	.01435	.01665	.01185	L-.00412
#2	.00654	-.00125	.00191	.01429	L-.02702	L-.02017	L-.01423
#3	.00133	-.00044	.00279	.01400	.00293	.02493	L-.00559
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00329	.00602	.11590	12.242	.47173	.67731	34.510
SDev	.00796	.02167	.01644	.036	.05685	.01290	.087
%RSD	242.14	359.66	14.188	.29674	12.051	1.9048	.25251
#1	.00964	.02414	.10767	12.248	.43553	.69204	34.607
#2	L-.00564	.01191	.13484	12.203	.44242	.66800	34.438
#3	.00586	L-.01798	.10520	12.275	.53726	.67190	34.486
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.870	.00699	-.00984	3.3943	-.00181	-.02896	.00001
SDev	.143	.00765	.00617	.0049	.00917	.00305	.00824
%RSD	.46243	109.52	62.718	.14493	507.29	10.539	62376.
#1	30.726	-.00185	-.01644	3.3997	-.00439	-.03162	.00713
#2	31.012	.01132	-.00885	3.3900	.00838	-.02965	-.00903
#3	30.872	.01149	-.00422	3.3933	-.00941	-.02563	.00193
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

1732

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.04570	.02611
SDev	.01804	.00924
%RSD	39.482	35.364
#1	-.04796	.03677
#2	-.06251	.02113
#3	-.02664	.02044
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36012	--	--	--	--	--	--
SDev	51.57292	--	--	--	--	--	--
%RSD	.1432104	--	--	--	--	--	--
#1	35953	--	--	--	--	--	--
#2	36047	--	--	--	--	--	--
#3	36036	--	--	--	--	--	--

Method: EPA3 Sample Name: N74820-1 Operator:
Run Time: 08/18/04 05:36:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10666	.00662	.00013	.00042	.00134	.98269	.04340
SDev	.00025	.00006	.00004	.00018	.00050	.00127	.00035
%RSD	.23493	.85919	34.362	43.106	37.509	.12949	.80072
#1	.10684	.00660	.00016	.00026	.00101	.98265	.04309
#2	.10677	.00659	.00008	.00038	.00109	.98398	.04334
#3	.10637	.00669	.00015	.00062	.00192	.98143	.04377
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00312	-.00018	.00110	.29188	-.00147	-.00486	.02813
SDev	.00082	.00024	.00069	.00256	.00163	.00201	.00130
%RSD	26.342	131.78	62.298	.87555	110.74	41.372	4.6164
#1	.00229	-.00032	.00041	.28967	-.00126	-.00677	.02775
#2	.00312	-.00031	.00111	.29128	-.00320	-.00506	.02706
#3	.00394	.00009	.00179	.29468	.00004	-.00276	.02957
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00174	.00300	.24774	60.891	1.0149	19.218	3.8282
SDev	.00208	.00162	.00144	.335	.0228	.062	.0073
%RSD	119.42	53.973	.58289	.55060	2.2504	.32225	.19127
#1	-.00006	.00266	.24608	60.608	.98964	19.179	3.8230
#2	.00402	.00158	.24876	60.804	1.0211	19.186	3.8366
#3	.00127	.00477	.24837	61.261	1.0340	19.289	3.8251
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	122.81	.00217	-.00112	6.1662	.02264	.02547	.02899
SDev	.04	.00119	.00155	.0103	.00266	.00468	.00190
%RSD	.03388	54.664	138.69	.16672	11.742	18.394	6.5607
#1	122.79	.00340	-.00254	6.1585	.01957	.02055	.03093
#2	122.78	.00102	-.00135	6.1622	.02429	.02598	.02764
#3	122.85	.00210	.00054	6.1779	.02405	.02987	.02891
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00927	.00691
SDev	.00292	.00175
%RSD	31.454	25.334
#1	-.01228	.00571
#2	-.00646	.00892
#3	-.00907	.00610
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35373	--	--	--	--	--	--
SDev	65.73182	--	--	--	--	--	--
%RSD	.1858259	--	--	--	--	--	--
#1	35316	--	--	--	--	--	--
#2	35358	--	--	--	--	--	--
#3	35445	--	--	--	--	--	--

Method: EPA3 Sample Name: N74820-3 Operator:
Run Time: 08/18/04 05:44:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17527	-.00004	-.00011	.00016	.00090	.00140	.04672
SDev	.00265	.00004	.00055	.00036	.00018	.00000	.00083
%RSD	1.5140	95.026	479.04	229.69	20.144	.21247	1.7854
#1	.17241	.00000	-.00061	.00046	.00075	.00140	.04593
#2	.17574	-.00007	-.00019	-.00024	.00086	.00140	.04665
#3	.17765	-.00005	.00047	.00025	.00110	.00140	.04759
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00238	-.00047	.00113	.00437	.00435	.00173	.00290
SDev	.00121	.00019	.00039	.00041	.00413	.00473	.00125
%RSD	50.788	40.050	34.248	9.3659	94.830	273.26	42.948
#1	.00340	-.00032	.00154	.00472	.00575	-.00046	.00383
#2	.00105	-.00042	.00108	.00392	-.00029	-.00150	.00340
#3	.00269	-.00068	.00077	.00448	.00760	.00716	.00149
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00256	.00046	.07018	32.949	.11878	14.918	1.0983
SDev	.00101	.00226	.00353	.555	.00671	.240	.0435
%RSD	39.302	492.43	5.0342	1.6851	5.6536	1.6062	3.9585
#1	.00254	-.00152	.06867	32.374	.11242	14.665	1.0545
#2	.00357	-.00003	.06765	32.993	.11811	14.948	1.0988
#3	.00156	.00292	.07422	33.482	.12580	15.141	1.1415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.988	.00339	-.00106	8.0675	.00159	-.00128	.00450
SDev	.336	.00020	.00180	.1366	.00288	.00330	.00096
%RSD	1.5995	5.8831	169.49	1.6931	180.99	258.61	21.270
#1	20.627	.00320	.00101	7.9243	.00356	.00233	.00412
#2	21.045	.00337	-.00225	8.0818	-.00171	-.00200	.00559
#3	21.291	.00360	-.00195	8.1964	.00291	-.00415	.00[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00586	.00643
SDev	.00427	.00148
%RSD	72.920	23.002
#1	-.00931	.00814
#2	-.00108	.00556
#3	-.00719	.00559
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35823	--	--	--	--	--	--
SDev	537.9453	--	--	--	--	--	--
%RSD	1.501690	--	--	--	--	--	--
#1	36339	--	--	--	--	--	--
#2	35863	--	--	--	--	--	--
#3	35266	--	--	--	--	--	--

Method: EPA3 Sample Name: N74820-5 Operator:
Run Time: 08/18/04 05:52:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.83111	.00050	-.00033	-.00003	-.00024	.04938	.03590
SDev	.00291	.00003	.00007	.00025	.00040	.00060	.00021
%RSD	.34983	6.7002	20.150	753.95	165.92	1.2166	.57855
#1	.83003	.00053	-.00032	-.00011	-.00045	.04974	.03581
#2	.83440	.00047	-.00027	-.00023	-.00049	.04970	.03614
#3	.82890	.00051	-.00040	.00025	.00022	.04868	.03576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00035	-.00071	-.00028	.03819	-.00039	-.00153	.00253
SDev	.00036	.00021	.00080	.00009	.00227	.00873	.00218
%RSD	103.24	29.888	282.99	.23908	574.03	571.33	86.028
#1	.00069	-.00058	-.00074	.03808	-.00288	L-.01142	.00002
#2	-.00003	-.00096	.00064	.03825	.00156	.00506	.00393
#3	.00040	-.00060	-.00074	.03823	.00014	.00178	.00364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00315	.00181	.19882	102.59	.19195	16.409	1.2798
SDev	.00130	.00077	.00132	.51	.00802	.090	.0079
%RSD	41.388	42.372	.66410	.50022	4.1791	.54937	.62079
#1	.00423	.00093	.19770	102.43	.18321	16.375	1.2770
#2	.00170	.00231	.19849	103.17	.19897	16.511	1.2888
#3	.00352	.00220	.20028	102.18	.19366	16.340	1.2737
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.307	.00097	-.00213	19.691	.00171	-.00085	.00374
SDev	.147	.00057	.00086	.091	.00198	.00193	.00414
%RSD	.58257	58.522	40.261	.46407	116.00	226.46	110.71
#1	25.139	.00162	-.00306	19.673	.00021	.00129	-.00104
#2	25.412	.00056	-.00137	19.790	.00396	-.00140	.00609
#3	25.370	.00073	-.00195	19.610	.00096	-.00244	.00[illegible]
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00906	.00891
SDev	.00103	.00244
%RSD	11.398	27.410
#1	-.00955	.01078
#2	-.00787	.00615
#3	-.00975	.00981
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35094	--	--	--	--	--	--
SDev	174.4224	--	--	--	--	--	--
%RSD	.4970093	--	--	--	--	--	--
#1	34922	--	--	--	--	--	--
#2	35091	--	--	--	--	--	--
#3	35270	--	--	--	--	--	--

Method: EPA3 Sample Name: N74820-1F Operator:
Run Time: 08/18/04 06:00:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43009	.00046	-.00015	.00074	.00018	.03105	.01542
SDev	.00166	.00001	.00020	.00085	.00035	.00025	.00007
%RSD	.38645	1.2073	138.75	114.89	190.92	.79209	.45967
#1	.42844	.00045	-.00036	-.00024	-.00013	.03132	.01534
#2	.43008	.00047	-.00012	.00117	.00056	.03098	.01547
#3	.43176	.00046	.00004	.00130	.00012	.03084	.01546
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00228	-.00046	-.00013	.31433	-.00260	-.00047	.00268
SDev	.00146	.00028	.00017	.00141	.00335	.00317	.00055
%RSD	64.220	60.602	128.70	.44962	128.74	672.74	20.517
#1	.00095	-.00024	-.00029	.31327	.00123	-.00030	.00259
#2	.00205	-.00078	-.00014	.31378	-.00406	-.00373	.00219
#3	.00385	-.00037	.00004	.31593	-.00498	.00261	.00328
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00299	.00474	.01513	60.739	.04144	18.956	3.8487
SDev	.00135	.00127	.00197	.235	.00070	.091	.0197
%RSD	45.092	26.815	13.014	.38692	1.6936	.48066	.51074
#1	.00411	.00380	.01725	60.589	.04110	18.862	3.8437
#2	.00338	.00619	.01478	60.618	.04225	18.960	3.8320
#3	.00149	.00424	.01335	61.010	.04097	19.044	3.8703
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	122.17	.00154	-.00085	5.5264	.00154	.00027	.00339
SDev	.76	.00026	.00080	.0269	.00178	.00136	.00064
%RSD	.62586	16.979	94.136	.48742	115.88	504.05	18.894
#1	121.46	.00180	-.00005	5.5012	.00197	-.00107	.00391
#2	122.05	.00154	-.00165	5.5233	-.00042	.00022	.00267
#3	122.98	.00128	-.00086	5.5548	.00306	.00166	.00356
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00858	.00845
SDev	.00231	.00216
%RSD	26.871	25.560
#1	-.00644	.00904
#2	-.01102	.01024
#3	-.00830	.00605
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35816	--	--	--	--	--	--
SDev	245.7860	--	--	--	--	--	--
%RSD	.6862414	--	--	--	--	--	--
#1	35594	--	--	--	--	--	--
#2	36080	--	--	--	--	--	--
#3	35775	--	--	--	--	--	--

Method: EPA3 Sample Name: N74820-3F Operator:
Run Time: 08/18/04 06:07:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18202	-.00000	.00036	.00034	.00006	.00045	.04239
SDev	.00099	.00002	.00013	.00037	.00016	.00003	.00022
%RSD	.54361	469.38	36.489	110.06	285.34	6.7897	.52871
#1	.18130	-.00000	.00024	.00074	-.00006	.00046	.04236
#2	.18315	-.00002	.00033	.00026	-.00001	.00042	.04263
#3	.18162	.00001	.00050	.00001	.00024	.00047	.04218
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	-.00074	.00071	.00412	.00233	-.00350	-.00019
SDev	.00035	.00044	.00044	.00032	.00233	.00097	.00028
%RSD	223.05	59.167	62.420	7.7052	99.955	27.847	147.84
#1	.00016	-.00117	.00024	.00448	.00482	-.00314	-.00015
#2	-.00019	-.00076	.00112	.00391	.00199	-.00460	-.00049
#3	.00050	-.00029	.00076	.00396	.00019	-.00275	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00529	.00261	.01424	34.080	.02720	15.509	1.1745
SDev	.00189	.00332	.00225	.177	.00946	.070	.0159
%RSD	35.756	127.17	15.799	.51919	34.790	.45442	1.3524
#1	.00532	.00644	.01184	33.974	.03113	15.473	1.1571
#2	.00339	.00069	.01460	34.284	.03406	15.591	1.1782
#3	.00717	.00069	.01629	33.982	.01641	15.464	1.1883
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.302	.00374	-.00220	8.1871	-.00105	-.00467	.00153
SDev	.052	.00181	.00060	.0340	.00300	.00243	.00160
%RSD	.25469	48.387	27.153	.41551	284.77	52.048	104.36
#1	20.258	.00289	-.00283	8.1654	-.00139	-.00359	.00105
#2	20.359	.00582	-.00213	8.2263	.00210	-.00297	.00273
#3	20.289	.00251	-.00164	8.1696	-.00386	-.00746	.00332
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00973	.01246
SDev	.00474	.00340
%RSD	48.756	27.252
#1	-.01512	.01520
#2	-.00785	.00866
#3	-.00621	.01351
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34741	--	--	--	--	--	--
SDev	91.93201	--	--	--	--	--	--
%RSD	.2646206	--	--	--	--	--	--
#1	34846	--	--	--	--	--	--
#2	34673	--	--	--	--	--	--
#3	34705	--	--	--	--	--	--

Method: EPA3
Run Time: 08/18/04 06:15:31
Comment:
Mode: CONC Corr. Factor: 1
Sample Name: CCV
Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q2.1203	2.0727	2.0148	2.0436	2.0512	Q2.1041	2.0734
SDev	.0189	.0140	.0139	.0149	.0168	.0191	.0145
%RSD	.89351	.67480	.69049	.72749	.81942	.90833	.70033
#1	Q2.1208	2.0753	2.0156	2.0482	2.0554	Q2.1080	2.0770
#2	Q2.1390	2.0853	2.0282	2.0557	2.0655	Q2.1210	2.0858
#3	Q2.1011	2.0577	2.0004	2.0270	2.0327	2.0834	2.0575
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0406	Q.26397	2.0716	2.0054	2.0395	2.0244	2.0192
SDev	.0166	.00158	.0190	.0136	.0170	.0306	.0068
%RSD	.81455	.60025	.91657	.67789	.83507	1.5103	.33545
#1	2.0430	Q.26419	2.0763	2.0068	2.0420	2.0217	2.0219
#2	2.0559	Q.26543	2.0878	2.0183	2.0551	2.0563	2.0243
#3	2.0229	.26228	2.0507	1.9912	2.0213	1.9953	2.0115
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0267	2.0834	Q42.119	40.870	41.857	41.813	Q42.650
SDev	.0096	.0152	.366	.274	.344	.342	.318
%RSD	.47246	.72990	.86940	.66931	.82183	.81810	.74581
#1	2.0298	2.0866	Q42.204	40.919	41.915	41.891	Q42.710
#2	2.0343	2.0968	Q42.436	41.117	Q42.169	Q42.110	Q42.933
#3	2.0160	2.0668	41.718	40.576	41.488	41.439	Q42.305
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q42.563	2.0581	2.0675	5.2174	2.0320	2.0350	2.0109
SDev	.215	.0184	.0185	.0498	.0168	.0133	.0036
%RSD	.50419	.89226	.89679	.95474	.82578	.65372	.17978
#1	Q42.553	2.0576	2.0723	5.2274	2.0339	2.0390	2.0128
#2	Q42.782	2.0768	2.0832	Q5.2614	2.0477	2.0458	2.0182
#3	Q42.354	2.0400	2.0471	5.1633	2.0143	2.0201	2.0068
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0286	2.0254
SDev	.0196	.0052
%RSD	.96724	.25876
#1	2.0301	2.0294
#2	2.0474	2.0275
#3	2.0082	2.0195
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35870	--	--	--	--	--	--
SDev	148.7488	--	--	--	--	--	--
%RSD	.4146840	--	--	--	--	--	--
#1	35773	--	--	--	--	--	--
#2	35797	--	--	--	--	--	--
#3	36042	--	--	--	--	--	--

Method: EPA3 Sample Name: CCB Operator:
Run Time: 08/18/04 06:23:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00110	Q.00067	.00053	.00024	.00047	.00014	.00051
SDev	.00023	.00008	.00017	.00062	.00027	.00034	.00007
%RSD	20.793	11.578	32.599	255.09	57.441	237.54	13.729
#1	.00088	Q.00061	.00038	.00021	.00056	-.00002	.00047
#2	.00133	Q.00076	.00049	.00088	.00068	.00054	.00059
#3	.00109	Q.00065	.00072	-.00036	.00017	-.00009	.00047
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00084	.00011	-.00139	.00076	.00266	-.00150	.00054
SDev	.00141	.00052	.00258	.00055	.00180	.00531	.00148
%RSD	167.40	493.74	184.80	72.563	67.827	354.71	273.60
#1	.00247	-.00012	-.00016	.00024	.00420	-.00485	-.00062
#2	-.00004	.00070	-.00436	.00133	.00310	-.00427	.00003
#3	.00010	-.00027	.00034	.00070	.00068	.00463	.00221
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00126	-.00003	-.00562	-.03572	.02558	.00174	-.26602
SDev	.00229	.00339	.00034	.00159	.00462	.00287	.05191
%RSD	181.18	10658.	6.0386	4.4546	18.055	165.17	19.514
#1	-.00078	-.00390	-.00601	-.03441	.02366	.00505	-.20961
#2	.00083	.00238	-.00546	-.03526	.03085	.00023	-.31179
#3	.00374	.00143	-.00538	-.03750	.02224	-.00006	-.27666
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.28864	.00181	-.00061	-.02161	.00039	-.00946	.00505
SDev	.04916	.00245	.00088	.00082	.00634	.01724	.00835
%RSD	17.030	135.55	142.94	3.7737	1614.0	182.30	165.27
#1	-.28032	Q.00440	-.00137	-.02212	.00129	.00134	-.00209
#2	-.24417	-.00047	.00035	-.02067	-.00635	-.02934	.00401
#3	-.34142	.00150	-.00081	-.02203	.00624	-.00037	.00301
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00936	.00625
SDev	.01564	.00691
%RSD	167.17	110.51
#1	-.00581	.00141
#2	-.02646	.01416
#3	.00421	.00318
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36966	--	--	--	--	--	--
SDev	466.6196	--	--	--	--	--	--
%RSD	1.262308	--	--	--	--	--	--
#1	36834	--	--	--	--	--	--
#2	37484	--	--	--	--	--	--
#3	36579	--	--	--	--	--	--

Method: EPA3 Sample Name: N74820-5F Operator:
Run Time: 08/18/04 06:31:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0075	.00017	.00022	.00073	.00064	.00380	.01544
SDev	.0057	.00010	.00081	.00160	.00053	.00009	.00013
%RSD	.56384	56.242	359.73	218.57	82.960	2.3114	.85402
#1	1.0078	.00027	.00112	.00254	.00103	.00390	.01558
#2	1.0130	.00015	-.00001	-.00048	.00004	.00375	.01542
#3	1.0016	.00009	-.00044	.00013	.00084	.00374	.01532
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00302	.00035	-.00063	.10945	-.00026	-.00875	.00175
SDev	.00178	.00070	.00172	.00179	.00333	.00678	.00113
%RSD	59.179	199.97	272.53	1.6389	1299.8	77.496	64.727
#1	.00427	.00087	.00076	.11146	.00342	-.00115	.00107
#2	.00381	-.00044	-.00010	.10888	-.00112	L-.01093	.00306
#3	.00097	.00062	-.00256	.10801	-.00307	L-.01416	.00112
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00147	.00469	.02629	98.813	.01704	15.884	1.2490
SDev	.00437	.01004	.00583	.595	.04492	.087	.0069
%RSD	296.17	213.91	22.174	.60185	263.57	.54904	.55070
#1	.00000	.01628	.03299	99.407	.05313	15.965	1.2414
#2	.00639	-.00126	.02237	98.813	.03126	15.894	1.2549
#3	-.00197	-.00094	.02352	98.218	-.03326	15.792	1.2506
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.366	-.00004	.00208	18.693	-.00399	-.00899	.00663
SDev	.110	.00203	.00252	.073	.01107	.00929	.00364
%RSD	.45080	5118.0	121.63	.39009	277.61	103.30	54.876
#1	24.483	.00158	.00446	18.735	-.00007	-.01942	.01081
#2	24.265	.00063	-.00057	18.736	.00459	-.00162	.00497
#3	24.350	-.00233	.00233	18.609	L-.01649	-.00593	.00428
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01744	.01059
SDev	.01263	.00157
%RSD	72.407	14.873
#1	-.02492	.01212
#2	-.00286	.01066
#3	-.02454	.00897
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34743	--	--	--	--	--	--
SDev	284.9328	--	--	--	--	--	--
%RSD	.8201234	--	--	--	--	--	--
#1	35064	--	--	--	--	--	--
#2	34521	--	--	--	--	--	--
#3	34643	--	--	--	--	--	--

Method: EPA3 Sample Name: N75087-3 Operator:
Run Time: 08/18/04 06:38:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16354	.00003	.00024	.00107	.00380	.00300	.13011
SDev	.00042	.00004	.00050	.00030	.00036	.00019	.00029
%RSD	.25683	140.92	209.00	28.194	9.4440	6.5094	.22031
#1	.16306	.00006	-.00014	.00079	.00422	.00316	.12981
#2	.16377	-.00001	.00080	.00103	.00363	.00305	.13015
#3	.16380	.00004	.00005	.00139	.00356	.00278	.13037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00468	-.00024	.00167	.01650	.00474	-.00441	.00529
SDev	.00068	.00027	.00051	.00017	.00241	.00471	.00183
%RSD	14.407	111.02	30.333	1.0156	50.806	106.79	34.577
#1	.00529	.00007	.00166	.01634	.00721	-.00840	.00338
#2	.00481	-.00036	.00117	.01648	.00240	.00078	.00702
#3	.00395	-.00042	.00219	.01667	.00461	-.00561	.00547
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00150	.00485	.51947	61.534	10.173	11.935	3.9166
SDev	.00308	.00385	.00277	.153	.035	.024	.0121
%RSD	205.24	79.470	.53235	.24797	.34674	.19784	.30988
#1	.00499	.00613	.52264	61.379	10.134	11.908	3.9110
#2	.00036	.00789	.51761	61.540	10.181	11.947	3.9082
#3	-.00085	.00052	.51814	61.684	10.203	11.951	3.9305
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	80.934	.00254	-.00070	8.8374	.00113	-.00114	.00800
SDev	.228	.00051	.00064	.0226	.00232	.00474	.00071
%RSD	.28158	20.234	90.935	.25565	204.53	414.75	8.8533
#1	80.766	.00235	-.00074	8.8139	-.00144	-.00651	.00782
#2	80.844	.00214	-.00132	8.8392	.00306	.00249	.00878
#3	81.194	.00312	-.00004	8.8590	.00178	.00059	.00740
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00749	.00566
SDev	.00383	.00288
%RSD	51.050	50.817
#1	-.00367	.00899
#2	-.00750	.00396
#3	-.01132	.00405
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35738	--	--	--	--	--	--
SDev	77.45066	--	--	--	--	--	--
%RSD	.2167155	--	--	--	--	--	--
#1	35746	--	--	--	--	--	--
#2	35812	--	--	--	--	--	--
#3	35658	--	--	--	--	--	--

Method: EPA3 Sample Name: N75087-5 Operator:
Run Time: 08/18/04 06:46:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10003	.00001	.00042	.00131	.00069	.00097	.22396
SDev	.00201	.00001	.00009	.00031	.00057	.00050	.00484
%RSD	2.0134	102.89	21.941	23.426	83.168	51.350	2.1627
#1	.10061	.00000	.00031	.00101	.00118	.00080	.22538
#2	.10170	.00002	.00048	.00162	.00006	.00153	.22794
#3	.09779	.00000	.00046	.00131	.00083	.00058	.21857
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00083	-.00061	.00038	.00895	.00133	-.00631	.00078
SDev	.00038	.00021	.00051	.00027	.00199	.00147	.00120
%RSD	46.021	33.940	134.65	3.0105	149.50	23.231	155.26
#1	.00062	-.00085	.00062	.00868	-.00080	-.00652	.00060
#2	.00059	-.00055	-.00021	.00922	.00164	-.00766	.00206
#3	.00127	-.00045	.00071	.00895	.00314	-.00475	-.00033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00263	-.00104	.26732	58.351	14.123	10.657	2.2650
SDev	.00532	.00177	.00600	1.296	.316	.226	.0769
%RSD	202.34	170.55	2.2450	2.2204	2.2377	2.1171	3.3970
#1	.00323	-.00192	.26913	58.725	14.222	10.726	2.2786
#2	.00762	.00100	.27221	59.419	14.378	10.839	2.3341
#3	-.00296	-.00220	.26062	56.910	13.770	10.404	2.1821
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	64.930	.00150	-.00214	8.2660	.00134	-.00342	.00237
SDev	1.248	.00035	.00070	.1828	.00158	.00238	.00166
%RSD	1.9213	23.192	32.865	2.2116	117.86	69.556	70.137
#1	65.259	.00149	-.00219	8.3134	.00012	-.00113	.00096
#2	65.980	.00185	-.00281	8.4204	.00077	-.00324	.00420
#3	63.551	.00115	-.00141	8.0641	.00312	-.00588	.00197
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

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High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01148	.00934
SDev	.00694	.00453
%RSD	60.478	48.436
#1	-.01149	.01024
#2	-.00453	.01335
#3	-.01842	.00443
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35524	--	--	--	--	--	--
SDev	649.1952	--	--	--	--	--	--
%RSD	1.827470	--	--	--	--	--	--
#1	35277	--	--	--	--	--	--
#2	35035	--	--	--	--	--	--
#3	36261	--	--	--	--	--	--

Method: EPA3 Sample Name: N75087-7 Operator:
Run Time: 08/18/04 06:54:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00748	.00039	.00049	.00046	-.00030	.00052	.00096
SDev	.00023	.00001	.00019	.00081	.00029	.00037	.00007
%RSD	3.1250	2.7189	39.577	176.16	94.801	72.385	7.1244
#1	.00733	.00037	.00028	-.00048	.00003	.00018	.00098
#2	.00737	.00039	.00053	.00094	-.00051	.00092	.00089
#3	.00775	.00039	.00067	.00093	-.00043	.00044	.00102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00309	-.00032	-.00031	.00594	.00136	-.00113	-.00002
SDev	.00085	.00033	.00084	.00042	.00310	.00142	.00162
%RSD	27.370	103.92	272.56	7.0201	228.14	125.44	9238.4
#1	.00230	-.00063	-.00031	.00554	.00493	-.00028	-.00005
#2	.00398	.00003	.00053	.00592	-.00058	-.00035	-.00162
#3	.00300	-.00036	-.00115	.00637	-.00027	-.00278	.00162
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00035	.00416	.00015	.06010	.01666	.00840	-.26007
SDev	.00188	.00120	.00056	.00329	.00287	.00388	.01573
%RSD	534.87	28.870	383.75	5.4710	17.200	46.225	6.0467
#1	-.00023	.00306	.00060	.06330	.01385	.00487	-.25674
#2	-.00117	.00398	-.00048	.06027	.01657	.01255	-.24627
#3	.00245	H.00544	.00032	.05673	.01958	.00777	-.27719
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.31832	.00081	-.00178	.16708	-.00042	-.00151	.00023
SDev	.08331	.00063	.00084	.00160	.00051	.00198	.00194
%RSD	26.172	77.731	47.304	.95882	120.95	131.55	857.49
#1	.22216	.00038	-.00271	.16523	-.00033	.00021	-.00068
#2	.36863	.00052	-.00156	.16805	-.00098	-.00368	-.00110
#3	.36418	.00154	-.00107	.16795	.00004	-.00105	.00246
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01601	.00820
SDev	.00185	.00221
%RSD	11.542	27.008
#1	-.01779	.00823
#2	-.01613	.00597
#3	-.01410	.01040
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35975	--	--	--	--	--	--
SDev	162.3042	--	--	--	--	--	--
%RSD	.4511624	--	--	--	--	--	--
#1	35963	--	--	--	--	--	--
#2	35818	--	--	--	--	--	--
#3	36142	--	--	--	--	--	--

Method: EPA3 · Sample Name: N75087-1F Operator:
Run Time: 08/18/04 07:01:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03466	.00001	.00002	.00031	-.00003	.00046	.00179
SDev	.00028	.00003	.00044	.00036	.00050	.00002	.00008
%RSD	.80780	359.22	1932.6	115.35	1445.0	4.6519	4.2883
#1	.03439	.00002	-.00045	.00023	-.00054	.00044	.00173
#2	.03495	.00003	.00010	-.00000	.00045	.00046	.00188
#3	.03465	-.00003	.00042	.00071	-.00001	.00048	.00177
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00202	-.00061	.00410	.01189	-.00103	-.00703	.00061
SDev	.00158	.00035	.00034	.00032	.00221	.00601	.00180
%RSD	78.219	57.203	8.2222	2.7066	214.71	85.510	294.63
#1	.00069	-.00099	.00377	.01152	-.00332	-.00009	.00260
#2	.00160	-.00031	.00444	.01211	-.00086	L-.01033	.00013
#3	.00376	-.00052	.00409	.01203	.00109	L-.01068	-.00090
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00408	.00389	.04275	4.0768	.07987	.18692	31.915
SDev	.00225	.00119	.00175	.0136	.01148	.00249	.075
%RSD	55.115	30.549	4.0984	.33450	14.374	1.3309	.23555
#1	.00216	.00365	.04075	4.0615	.09309	.18941	31.830
#2	.00656	.00284	.04401	4.0878	.07403	.18443	31.969
#3	.00352	.00519	.04348	4.0809	.07248	.18690	31.948
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.255	.00202	-.00179	2.8288	-.00003	.00014	.00036
SDev	.207	.00071	.00084	.0089	.00469	.00541	.00424
%RSD	.68355	35.025	46.963	.31332	16178.	3741.7	1192.7
#1	30.042	.00273	-.00273	2.8189	.00536	.00043	.00318
#2	30.455	.00132	-.00109	2.8359	-.00227	-.00540	.00240
#3	30.269	.00200	-.00156	2.8317	-.00318	.00540	-.00452
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00950	.01054
SDev	.00523	.00293
%RSD	55.035	27.791
#1	-.00853	.00717
#2	-.00483	.01191
#3	-.01515	.01252
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35771	--	--	--	--	--	--
SDev	42.76109	--	--	--	--	--	--
%RSD	.1195405	--	--	--	--	--	--
#1	35765	--	--	--	--	--	--
#2	35732	--	--	--	--	--	--
#3	35817	--	--	--	--	--	--

Method: EPA3 Sample Name: N75087-3F Operator:
Run Time: 08/18/04 07:09:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14453	-.00004	.00007	.00099	-.00026	.00010	.11981
SDev	.00053	.00003	.00026	.00050	.00044	.00049	.00029
%RSD	.36488	81.741	384.21	50.661	168.59	516.37	.24003
#1	.14513	-.00006	-.00001	.00152	.00024	.00041	.12010
#2	.14413	-.00000	.00036	.00090	-.00049	-.00047	.11952
#3	.14432	-.00004	-.00014	.00054	-.00053	.00035	.11983
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00133	-.00065	-.00054	.01798	.00002	-.00565	.00129
SDev	.00133	.00020	.00065	.00006	.00036	.00649	.00025
%RSD	100.34	30.467	120.97	.36239	2079.3	114.92	19.087
#1	-.00019	-.00074	-.00025	.01795	-.00010	.00179	.00105
#2	.00228	-.00078	-.00008	.01793	.00043	-.00857	.00128
#3	.00190	-.00042	-.00129	.01805	-.00027	L-.01017	.00154
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00054	.00323	.01373	59.612	2.3888	11.449	3.9653
SDev	.00143	.00179	.00062	.091	.0087	.013	.0176
%RSD	263.25	55.556	4.5090	.15222	.36595	.11474	.44309
#1	.00067	.00501	.01375	59.696	2.3897	11.464	3.9704
#2	.00191	.00325	.01434	59.516	2.3971	11.445	3.9458
#3	-.00095	.00142	.01310	59.624	2.3797	11.438	3.9798
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	79.526	.00143	-.00195	7.4968	.00036	-.00327	.00306
SDev	.057	.00070	.00050	.0195	.00291	.00413	.00172
%RSD	.07197	49.026	25.811	.25971	815.63	126.52	56.270
#1	79.547	.00191	-.00213	7.5180	-.00292	-.00801	.00506
#2	79.461	.00175	-.00138	7.4796	.00134	-.00134	.00288
#3	79.569	.00062	-.00233	7.4928	.00265	-.00045	.00206
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01394	.00744
SDev	.00096	.00170
%RSD	6.9111	22.827
#1	-.01352	.00742
#2	-.01325	.00915
#3	-.01504	.00575
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34904	--	--	--	--	--	--
SDev	205.7671	--	--	--	--	--	--
%RSD	.5895230	--	--	--	--	--	--
#1	34666	--	--	--	--	--	--
#2	35023	--	--	--	--	--	--
#3	35022	--	--	--	--	--	--

Method: EPA3 Sample Name: N75087-5F Operator:
Run Time: 08/18/04 07:17:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09038	.00002	.00007	.00117	.00155	.00161	.22234
SDev	.00058	.00007	.00059	.00207	.00140	.00135	.00047
%RSD	.64520	432.20	786.25	176.94	90.528	83.939	.20930
#1	.08971	.00007	.00075	.00354	.00315	.00314	.22251
#2	.09080	.00004	-.00030	-.00031	.00087	.00061	.22181
#3	.09062	-.00006	-.00023	.00028	.00061	.00106	.22269
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00186	.00075	.00002	.01385	.00066	-.00794	.00181
SDev	.00123	.00181	.00042	.00109	.00108	.00159	.00258
%RSD	66.308	241.87	1851.5	7.8477	164.62	20.089	142.60
#1	.00319	.00284	.00047	.01509	-.00004	-.00978	.00457
#2	.00163	-.00039	-.00003	.01307	.00190	-.00705	.00141
#3	.00076	-.00020	-.00037	.01339	.00010	-.00699	-.00055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00227	.00672	.02871	58.727	2.5294	10.543	4.3556
SDev	.00077	.00271	.00769	.128	.0113	.011	.0460
%RSD	34.023	40.295	26.798	.21712	.44596	.10163	1.0557
#1	.00243	.00972	.03688	58.874	2.5317	10.532	4.3026
#2	.00296	.00444	.02766	58.645	2.5393	10.544	4.3834
#3	.00144	.00601	.02160	58.663	2.5171	10.553	4.3810
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	66.064	.00155	.00353	7.4503	.00207	-.00147	.00295
SDev	.182	.00023	.00731	.0208	.00186	.00387	.00427
%RSD	.27481	15.156	207.13	.27983	89.766	263.15	144.70
#1	65.856	.00130	.01183	7.4262	.00366	.00037	.00618
#2	66.140	.00177	.00066	7.4622	.00003	-.00591	.00457
#3	66.195	.00159	-.00191	7.4625	.00251	.00113	-.00189
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

2790

High	675.00	45.000	45.000	45.000	45.000
Low	-5.0000	-.00500	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00907	.00761
SDev	.00588	.00371
%RSD	64.777	48.768
#1	-.01528	.01095
#2	-.00835	.00828
#3	-.00359	.00361
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35887	--	--	--	--	--	--
SDev	367.3395	--	--	--	--	--	--
%RSD	1.023602	--	--	--	--	--	--
#1	36291	--	--	--	--	--	--
#2	35574	--	--	--	--	--	--
#3	35796	--	--	--	--	--	--

Method: EPA3 Sample Name: CRIB Operator:
Run Time: 08/18/04 07:25:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41520	.01042	.00814	.10280	.01980	.05212	.03099
SDev	.00111	.00002	.00007	.00106	.00040	.00059	.00007
%RSD	.26777	.16932	.84392	1.0284	2.0160	1.1331	.21937
#1	.41624	.01043	.00819	.10159	.01953	.05264	.03091
#2	.41403	.01040	.00807	.10353	.02026	.05225	.03104
#3	.41533	.01043	.00817	.10329	.01961	.05148	.03101
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.01000	.00800	.10000	.02000	.05000	.03000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08187	.02033	.10246	.04087	Q.00580	Q.01323	.00538
SDev	.00266	.00033	.00039	.00019	.00225	.00517	.00138
%RSD	3.2472	1.6335	.38426	.46362	38.758	39.067	25.738
#1	.07926	.02035	.10207	.04070	Q.00671	Q.01038	.00552
#2	.08457	.02065	.10286	.04085	Q.00324	Q.01012	.00668
#3	.08177	.01999	.10244	.04107	.00746	.01920	Q.00393
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	.08000	.02000	.10000	.04000	.01000	.02000	.00600
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01162	.01114	.40017	5.0597	.19864	5.1074	5.1109
SDev	.00267	.00392	.00288	.0075	.00751	.0109	.0211
%RSD	22.953	35.172	.71973	.14766	3.7807	.21315	.41365
#1	.00965	Q.01464	.39980	5.0672	.19076	5.1191	5.1225
#2	.01057	Q.00691	.40322	5.0523	.19943	5.0976	5.0865
#3	Q.01466	.01189	.39749	5.0596	.20572	5.1054	5.1237
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.01000	.40000	5.0000	.20000	5.0000	5.0000
Range	30.000	30.000	30.000	30.000	30.000	30.000	30.000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0639	.02241	.10926	.40350	.02247	.00196	.00659
SDev	.0148	.00053	.00122	.00143	.00146	.00102	.00248
%RSD	.29188	2.3654	1.1209	.35398	6.4897	51.974	37.696
#1	5.0782	.02279	.10784	.40457	.02210	.00112	.00722
#2	5.0487	.02264	.10999	.40188	.02408	.00168	.00869
#3	5.0648	.02180	.10995	.40406	.02124	.00310	.00385
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	5.0000	.02000	.10000	.40000	.02000
Range	30.000	30.000	30.000	30.000	30.000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	.00488	.01467
SDev	.00754	.00146
%RSD	154.75	9.9602
#1	-.00277	.01552
#2	.00508	.01298
#3	.01232	.01550
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36251	--	--	--	--	--	--
SDev	124.0977	--	--	--	--	--	--
%RSD	.3423246	--	--	--	--	--	--
#1	36171	--	--	--	--	--	--
#2	36189	--	--	--	--	--	--
#3	36394	--	--	--	--	--	--

Method: EPA3
Run Time: 08/18/04 07:39:12
Comment:
Mode: CONC Corr. Factor: 1
Sample Name: ICSA
Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00445	.00028	.00072	.00225	-.00065	.00151	-.00076
SDev	.00018	.00001	.00039	.00082	.00011	.00065	.00006
%RSD	4.1137	2.9228	54.704	36.429	16.742	42.775	7.5063
#1	.00466	.00028	.00092	.00198	-.00073	.00223	-.00070
#2	.00438	.00028	.00096	.00161	-.00070	.00098	-.00080
#3	.00431	.00027	.00026	.00318	-.00053	.00132	-.00080
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.20000	.00400	.00400	.05000	.01000	.02500	.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	.00017	.00373	-.00007	-.00004	-.00227	-.00142
SDev	.00157	.00029	.00024	.00055	.00618	.00784	.00287
%RSD	422.86	176.74	6.3716	795.57	16714.	345.72	202.71
#1	.00218	.00018	.00348	.00055	.00455	Q-.01119	Q-.00473
#2	-.00041	-.00014	.00396	-.00051	.00241	.00089	.00006
#3	-.00065	.00045	.00375	-.00026	Q-.00707	.00350	.00042
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.04000	.01000	.05000	.02000	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00083	-.00207	539.62	536.47	202.26	520.06	-.10871
SDev	.00225	.00274	3.05	5.33	.96	2.72	.00772
%RSD	271.59	132.27	.56435	.99341	.47563	.52250	7.1032
#1	.00097	.00105	543.00	542.59	203.23	522.97	-.09986
#2	-.00335	-.00319	538.73	533.93	202.24	519.61	-.11408
#3	-.00010	-.00409	537.11	532.88	201.31	517.59	-.11219
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	500.00	500.00	200.00	500.00	.00000
Range	.00500	.00500	100.00	100.00	40.000	100.00	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.11646	.00142	-.00194	.01506	.00666	-.00847	.00176
SDev	.05023	.00219	.00090	.00144	.00242	.00110	.00393
%RSD	43.131	154.40	46.313	9.5841	36.315	13.008	223.02
#1	-.11966	.00211	-.00144	.01625	.00492	-.00935	-.00277
#2	-.16501	.00318	-.00298	.01345	.00563	-.00884	.00390
#3	-.06471	-.00103	-.00141	.01547	.00942	-.00724	.00390
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	5.0000	.00500	.05000	.20000	.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.01651	.00667
SDev	.00449	.00119
%RSD	27.167	17.765
#1	-.01246	.00733
#2	-.02134	.00530
#3	-.01574	.00737
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34455	--	--	--	--	--	--
SDev	257.3763	--	--	--	--	--	--
%RSD	.7469881	--	--	--	--	--	--
#1	34161	--	--	--	--	--	--
#2	34567	--	--	--	--	--	--
#3	34638	--	--	--	--	--	--

Method: EPA3 Sample Name: ICSAB Operator:
Run Time: 08/18/04 07:46:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51927	.47317	.96002	.49767	.48233	.51554	.49339
SDev	.00360	.00268	.00802	.00317	.00351	.00361	.00308
%RSD	.69374	.56563	.83530	.63755	.72866	.69987	.62438
#1	.52014	.47345	.96182	.49682	.48231	.51549	.49399
#2	.52237	.47570	.96699	.50118	.48586	.51917	.49613
#3	.51532	.47037	.95126	.49501	.47883	.51196	.49006
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	1.0000	.50000	.50000	.50000	.50000
Range	.10000	.10000	.20000	.10000	.10000	.10000	.10000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99018	1.0434	.50792	.95001	1.0609	.94417	.99073
SDev	.00839	.0070	.00099	.00686	.0111	.00957	.00606
%RSD	.84683	.67124	.19576	.72208	1.0438	1.0131	.61134
#1	.98912	1.0447	.50777	.94846	1.0604	.95163	.99220
#2	.99905	1.0497	.50898	.95751	1.0722	.94751	.99591
#3	.98238	1.0359	.50701	.94406	1.0500	.93339	.98407
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	1.0000	.50000	1.0000	1.0000	1.0000	1.0000
Range	.20000	.20000	.10000	.20000	.20000	.20000	.20000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0106	1.0201	544.43	549.76	207.46	531.27	-.07658
SDev	.0054	.0046	3.90	4.32	1.38	3.81	.01733
%RSD	.53276	.44641	.71652	.78615	.66577	.71716	22.625
#1	1.0141	1.0189	544.74	550.22	207.53	531.34	-.06590
#2	1.0134	1.0252	548.17	553.83	208.81	535.04	-.06727
#3	1.0044	1.0163	540.38	545.23	206.05	527.42	-.09657
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000	1.0000	500.00	500.00	200.00	500.00	
Range	.20000	.20000	100.00	100.00	40.000	100.00	

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.09632	.50820	.53450	.02731	.00536	1.0024	.98450
SDev	.15819	.00412	.00436	.00172	.00159	.0120	.00744
%RSD	164.23	.81065	.81536	6.2904	29.721	1.2012	.75532
#1	-.23276	.50740	.53430	.02919	.00356	1.0151	.98030
#2	-.13329	.51267	.53895	.02582	.00658	1.0007	.99308
#3	.07708	.50455	.53024	.02694	.00595	.99124	.98611
Errors	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value		.50000	.50000
Range		.10000	.10000
Elem	1960/1	1960/2	
Units	ppm	ppm	
Avge	1.0182	1.0066	
SDev	.0076	.0085	
%RSD	.75138	.84426	
#1	1.0261	1.0077	
#2	1.0108	1.0144	
#3	1.0176	.99753	
Errors	NOCHECK	NOCHECK	
Value			
Range			

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	34764	--	--	--	--	--	--
SDev	255.9212	--	--	--	--	--	--
%RSD	.7361618	--	--	--	--	--	--
#1	34578	--	--	--	--	--	--
#2	34659	--	--	--	--	--	--
#3	35056	--	--	--	--	--	--

Analysis Report | QC Standard | 08/18/04 08:02:14 AM | page 1

Method: EPA3
Run Time: 08/18/04 07:54:36
Comment:
Mode: CONC Corr. Factor: 1

Sample Name: CCV
Operator:

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q2.1319	2.0789	2.0217	2.0470	2.0609	Q2.1119	2.0817
SDev	.0036	.0014	.0021	.0021	.0023	.0021	.0010
%RSD	.16859	.06855	.10416	.10031	.10935	.10015	.04727
#1	Q2.1289	2.0786	2.0240	2.0450	2.0617	Q2.1103	2.0806
#2	Q2.1309	2.0805	2.0212	2.0491	2.0626	Q2.1111	2.0824
#3	Q2.1359	2.0777	2.0199	2.0470	2.0584	Q2.1143	2.0822
Errors	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0510	Q.26485	2.0783	2.0170	2.0521	2.0264	2.0335
SDev	.0001	.00046	.0013	.0020	.0053	.0099	.0022
%RSD	.00297	.17524	.06306	.09999	.26032	.48689	.10695
#1	2.0510	Q.26459	2.0772	2.0189	2.0496	2.0378	2.0345
#2	2.0510	Q.26538	2.0780	2.0172	2.0484	2.0199	2.0310
#3	2.0511	Q.26457	2.0798	2.0149	2.0582	2.0216	2.0350
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.0000	.25000	2.0000	2.0000	2.0000	2.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0470	2.0918	Q42.011	40.852	41.935	41.913	Q42.582
SDev	.0035	.0036	.049	.070	.078	.021	.085
%RSD	.16983	.17368	.11729	.17183	.18695	.05062	.20075
#1	2.0499	2.0919	41.954	40.807	41.935	41.893	Q42.484
#2	2.0432	2.0881	Q42.039	40.933	Q42.014	41.935	Q42.640
#3	2.0480	2.0953	Q42.040	40.815	41.857	41.909	Q42.623
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail
Value	2.0000	2.0000	40.000	40.000	40.000	40.000	40.000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q42.659	2.0661	2.0708	Q5.2726	2.0418	2.0481	2.0258
SDev	.089	.0042	.0008	.0050	.0033	.0059	.0007
%RSD	.20910	.20389	.03921	.09567	.16155	.28933	.03622
#1	Q42.556	2.0612	2.0702	Q5.2670	2.0438	2.0493	2.0266
#2	Q42.709	2.0685	2.0706	Q5.2744	2.0435	2.0416	2.0252
#3	Q42.712	2.0686	2.0717	Q5.2766	2.0380	2.0533	2.0
Errors	QC Fail	QC Pass	QC Pass	QC Fail	QC Pass	NOCHECK	NOCHECK

Value	40.000	2.0000	2.0000	5.0000	2.0000
Range	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	2.0514	2.0445
SDev	.0153	.0062
%RSD	.74531	.30511
#1	2.0489	2.0501
#2	2.0376	2.0456
#3	2.0678	2.0377
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35845	--	--	--	--	--	--
SDev	29.76624	--	--	--	--	--	--
%RSD	.0830426	--	--	--	--	--	--
#1	35851	--	--	--	--	--	--
#2	35870	--	--	--	--	--	--
#3	35812	--	--	--	--	--	--

Method: EPA3 | Sample Name: CCB | Operator:
Run Time: 08/18/04 08:05:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00071	Q.00054	.00058	.00025	.00006	.00016	.00031
SDev	.00013	.00009	.00033	.00029	.00026	.00038	.00012
%RSD	18.324	17.328	56.815	112.92	458.89	240.54	38.876
#1	.00056	Q.00061	.00073	-.00001	-.00020	.00002	.00043
#2	.00079	Q.00058	.00080	.00056	.00004	.00058	.00032
#3	.00077	.00043	.00020	.00022	.00033	-.00013	.00018
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.02000	.00050	.00090	.00500	.00240	.00270	.00150

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	-.00018	-.00026	.00051	-.00105	.00359	-.00075
SDev	.00247	.00037	.00010	.00018	.00067	.00343	.00159
%RSD	987.58	200.66	36.369	34.495	63.824	95.424	211.97
#1	.00041	.00023	-.00015	.00070	-.00028	.00754	.00074
#2	.00183	-.00031	-.00032	.00047	-.00140	.00183	-.00057
#3	-.00298	-.00048	-.00032	.00036	-.00148	.00140	-.00243
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00400	.00210	.00500	.00270	.00500	.01000	.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00246	.00217	.02350	-.00567	.03490	.03077	-.21843
SDev	.00182	.00375	.00852	.00724	.00283	.00606	.00844
%RSD	73.731	172.59	36.234	127.72	8.1000	19.688	3.8631
#1	.00158	Q.00646	.02909	-.00055	.03211	.03408	-.21039
#2	.00455	-.00050	.02771	-.00251	.03484	.03445	-.22722
#3	.00126	.00056	.01370	-.01394	.03776	.02378	-.21767
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.00500	.02970	.50000	.05520	.50000	.50000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.20699	.00196	-.00085	-.01846	.00076	-.00280	-.00022
SDev	.07899	.00061	.00075	.00198	.00183	.00395	.00087
%RSD	38.159	31.265	87.705	10.742	240.67	140.83	402.90
#1	-.14319	.00200	-.00082	-.01823	.00274	.00159	-.00018
#2	-.18245	.00132	-.00012	-.01660	.00040	-.00396	.00068
#3	-.29534	.00254	-.00162	-.02055	-.00086	-.00605	-.00111
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK

Value	.00000	.00000	.00000	.00000	.00000
Range	.50940	.00300	.08100	.02300	.00690

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00520	.00597
SDev	.00719	.00089
%RSD	138.33	14.890
#1	-.00911	.00660
#2	.00310	.00495
#3	-.00959	.00635
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	36605	--	--	--	--	--	--
SDev	144.1264	--	--	--	--	--	--
%RSD	.3937363	--	--	--	--	--	--
#1	36519	--	--	--	--	--	--
#2	36771	--	--	--	--	--	--
#3	36524	--	--	--	--	--	--

Method: EPA3 Sample Name: N75087-7F Operator:
Run Time: 08/18/04 08:15:28
Comment: 2
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00800	.00041	.00023	-.00012	-.00010	.00033	.00124
SDev	.00027	.00002	.00022	.00043	.00015	.00019	.00003
%RSD	3.3626	5.1181	95.564	347.41	160.20	57.696	2.5160
#1	.00772	.00043	.00048	-.00059	-.00014	.00022	.00121
#2	.00803	.00039	.00012	-.00001	-.00022	.00022	.00128
#3	.00826	.00040	.00009	.00023	.00008	.00055	.00124
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.00400	.00400	.05000	.01000	.02500	.01500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00175	-.00030	-.00053	.00770	-.00216	-.00580	-.00095
SDev	.00182	.00026	.00020	.00015	.00273	.00376	.00185
%RSD	104.12	84.815	36.993	1.9105	126.64	64.799	194.17
#1	.00374	-.00024	-.00064	.00764	-.00411	L-.01004	-.00004
#2	.00134	-.00008	-.00030	.00759	.00097	-.00288	L-.00308
#3	.00017	-.00058	-.00064	.00786	-.00334	-.00448	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.04000	.01000	.05000	.02000	.00500	.01000	.00300
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00160	.00164	.00726	.12361	.02946	.01522	-.22059
SDev	.00324	.00118	.00115	.00213	.00512	.00545	.01712
%RSD	202.65	71.833	15.890	1.7240	17.374	35.823	7.7605
#1	.00226	.00028	.00785	.12159	.03084	.01226	-.23994
#2	-.00192	.00226	.00799	.12340	.03375	.02151	-.21438
#3	.00446	.00237	.00593	.12584	.02380	.01189	-.20743
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00500	.20000	5.0000	.10000	5.0000	5.0000
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30760	.00109	-.00155	.18224	.00140	.00018	-.00201
SDev	.09103	.00059	.00051	.00338	.00318	.00064	.00296
%RSD	29.594	54.583	32.824	1.8571	226.65	352.14	147.46
#1	.20984	.00175	-.00176	.17922	.00067	-.00055	-.00024
#2	.38993	.00093	-.00097	.18159	.00489	.00060	-.00543
#3	.32303	.00059	-.00191	.18590	-.00135	.00050	-.00
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK

High	5.0000	.00500	.05000	.20000	.01000
Low	-5.0000	-.01000	-.05000	-.20000	-.01000

Elem	1960/1	1960/2
Units	ppm	ppm
Avge	-.00682	.00548
SDev	.00162	.00470
%RSD	23.683	85.773
#1	-.00849	.00731
#2	-.00671	.00014
#3	-.00527	.00898
Errors	NOCHECK	NOCHECK
High		
Low		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	35923	--	--	--	--	--	--
SDev	225.8913	--	--	--	--	--	--
%RSD	.6288173	--	--	--	--	--	--
#1	36161	--	--	--	--	--	--
#2	35898	--	--	--	--	--	--
#3	35711	--	--	--	--	--	--

Method: EPA3 Sample Name: N75136-1 Operator:
Run Time: 08/18/04 08:23:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ba4934	Be3130	Cd2265	Co2286	Cr2677	Cu3247	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38771	.00000	.00028	.01090	.00047	.00081	4.0715
SDev	.00057	.00002	.00011	.00011	.00026	.00049	.0008
%RSD	.14803	245660.	37.578	.99586	56.430	59.781	.02066
#1	.38785	-.00001	.00017	.01080	.00036	.00112	4.0719
#2	.38708	.00002	.00030	.01101	.00077	.00107	4.0705
#3	.38820	-.00000	.00038	.01088	.00028	.00025	4.0721
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	22.500	22.500	22.500	45.000	45.000	45.000	22.500
Low	-.20000	-.00400	-.00400	-.05000	-.01000	-.02500	-.01500

Elem	Ni2316	Ag3280	V 2924	Zn2062	As1890	Tl1908	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00414	.00005	.00117	.01579	.01350	L-.01001	-.00046
SDev	.00039	.00006	.00045	.00036	.00707	.00688	.00137
%RSD	9.3376	126.28	38.513	2.2613	52.360	68.696	297.04
#1	.00406	.00009	.00074	.01602	.01891	-.00331	.00007
#2	.00457	.00006	.00114	.01598	.01609	L-.01704	-.00201
#3	.00381	-.00002	.00164	.01538	.00550	-.00968	.00056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	45.000	.90000	45.000	45.000	22.500	45.000	45.000
Low	-.04000	-.01000	-.05000	-.02000	-.00500	-.01000	-.00300

Elem	Se1960	Sb2068	Al3082	Ca3179	Fe2714	Mg2790	K 7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00135	.00257	.00551	49.175	55.490	17.095	15.974
SDev	.00106	.00272	.00281	.052	.024	.021	.039
%RSD	78.467	105.84	51.083	.10525	.04375	.12297	.24593
#1	.00018	.00385	.00321	49.115	55.471	17.074	15.971
#2	.00161	.00440	.00467	49.207	55.517	17.094	15.937
#3	.00226	-.00055	.00865	49.202	55.481	17.116	16.015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	45.000	45.000	900.00	900.00	900.00	900.00	450.00
Low	-.00500	-.00500	-.20000	-5.0000	-.10000	-5.0000	-5.0000

Elem	Na3302	Mo2020	Pd3404	Si2881	Sn1899	2203/1	2203/2
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	132.07	.00081	-.00023	18.811	-.00189	.00248	-.00235
SDev	.24	.00069	.00078	.009	.00064	.00183	.00146
%RSD	.18044	86.220	334.10	.04921	33.721	73.943	62.051
#1	131.84	.00161	-.00062	18.816	-.00125	.00178	-.00120
#2	132.07	.00044	.00066	18.801	-.00189	.00110	-.00399
#3	132.32	.00037	-.00073	18.818	-.00253	.00456	-.00186
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK