ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-06
SAMPLE

Lab Sample ID: LR71J
LIMS ID: 07-20775
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/28/07
Date Received: 09/29/07

Percent Total Solids: 70.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	7	7	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	7	7	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.3**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.7	**34.2**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**45.7**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**136**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.05	**0.28**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**23**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**65**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-08
SAMPLE

Lab Sample ID: LR71K
LIMS ID: 07-20776
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 58.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	8	8	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	8	8	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.7**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.8	**40.6**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**106**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**61**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.08	**0.36**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	2	**55**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.5	0.5	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	2	**106**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: AN-SS-09
SAMPLE

Lab Sample ID: LR71L
LIMS ID: 07-20777
Matrix: Sediment
Data Release Authorized:
Reported: 10/11/07

QC Report No: LR71-Anchor Environmental, LLC
Project: Kimberly Clark Anacortes

Date Sampled: 09/27/07
Date Received: 09/29/07

Percent Total Solids: 76.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	10/05/07	6010B	10/09/07	7440-36-0	Antimony	6	6	U
3050B	10/05/07	6010B	10/09/07	7440-38-2	Arsenic	6	6	U
3050B	10/05/07	6010B	10/09/07	**7440-43-9**	**Cadmium**	0.3	**0.3**	
3050B	10/05/07	6010B	10/09/07	**7440-47-3**	**Chromium**	0.6	**34.8**	
3050B	10/05/07	6010B	10/09/07	**7440-50-8**	**Copper**	0.3	**58.6**	
3050B	10/05/07	6010B	10/09/07	**7439-92-1**	**Lead**	3	**117**	
CLP	10/05/07	7471A	10/09/07	**7439-97-6**	**Mercury**	0.04	**3.24**	
3050B	10/05/07	6010B	10/09/07	**7440-02-0**	**Nickel**	1	**38**	
3050B	10/05/07	6010B	10/09/07	7440-22-4	Silver	0.4	0.4	U
3050B	10/05/07	6010B	10/09/07	**7440-66-6**	**Zinc**	1	**122**	

U-Analyte undetected at given RL
RL-Reporting Limit

Metals Analysis
Instrument Raw Data and Run Logs

prepared
for

ANCHOR ENVIRONMENTAL

Project : KIMBERLY CLARK ANACORTES

ARI JOB NO. LR71

prepared
by

Analytical Resources, Inc.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: 9.11.07 Analysis Date: 10.9.07 Analyst: RW

LR Date: 6.29.07 Page: 1 of 4

All corrections made by analyst unless otherwise noted. 10.9.07 RW

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		~~sa~~ std 0			2419-2
		std 2			-12
		3			-13
		4			-14
		5			-15
		ICV			2405-7
		ICB			
		CRI			
		ICSA			
		ICSAB			
		CCV			
		CCB			
		IDL 1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		CCV			
		CCB			

Analytical Resources, Incorporated
Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 10.9.07 Analyst: BW

LR Date: — Page: 2 of 4

All corrections made by analyst unless otherwise noted. 10.9.07 BW

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
MBsph	✓	LR67 MBsph	SWC	2 ✓	CBout
	✓	B			Fe high - rerun 1/5
		C			
		D			Ni noisy
		E			
		F			
	✓	Adup		✓	Fe high
DIL		A		5	
↓		Asph		5	
MB	✓	MB ~~MBsph~~	✓	2	Zn .05
		CCV			
		CCB			Zn high
		CCV			
		CCB			
		LR67L	SWC	2	
		M			
		N			
		O			
		P			
		Q			
		RS			
		T			
		U			Ni noisy - OK
		V			

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Analytical Chemists and Consultants

OPTIMA ICP SAMPLE RUN LOG

IEC Date: — Analysis Date: 10.9.07 Analyst: BW

LR Date: — Page: 3 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		CCV			
		CCB			
		LR71 MB	Sxc	2	
		LR67 W			
		↓ X			
		LR71 B			
		C			
		D			
		Adup		✓	
		A			
		Asph			Sb 20%
		MBSph		✓	
		CCV			Sn low
		CCB			
		LS71 MB	Sxc	2	
		LR67 D			
		LS71 B			
		C			
		D			
		E			
		Adup		✓	
		A			
		Asph			Cu 163% CAF
		MBSph		✓	

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OPTIMA ICP SAMPLE RUN LOG

IEC Date: — **Analysis Date:** 10.9.07 **Analyst:** BLW

LR Date: — **Page:** 4 of 4

All corrections made by analyst unless otherwise noted.

Edit Label	Delete Data	ARI Sample ID	Prep. Code	Dilution	Comments
		CCV			Sn low
		CCB			
		LR67 MB	SWC	2	
		C			
		E			
		LR71 E			
		F			
	✓	H			Fe high - rerun 1/5
		I			
		J			
		K			
		L			
		CCV			Sn low
		CCB			
		LR67 F	SWC	2	
		B		5	
		Adup		✓	
		A			
		Asph			Sb 27% CuPbZnSTL
		D1			Co. check
		D1			
		LR67 MBsph	SWC	2 ✓	
		CCV			Sn low
		CCB			

BLW 10/10

10/11/07

1377

ANALYTICAL RESOURCES INCORPORATED

Metals Data Review Checklist

Method: (ICP/ICP-MS GFA CVA **Analysis Date:** 10.9.07

	Analyst 8w0 10.10	Peer AM0 10	Comment
Logbook:			
Analyst, Date, Method info	✓	✓	
Sample ID's	✓	✓	
Standard/QC solution ID's recorded	✓	✓	
Prep codes	✓	✓	
Dilution factors	✓	✓	
Crossouts/Corrections/Deletions	✓	✓	
Calibration:			
Blank & Standard intensities	✓	✓	
Standard deviations	✓	✓	
Curve fit	✓	✓	
Calibration Verification:			
ICV/CCV	✓	✓	see log ↓
ICB/CCB	✓	✓	
Samples:			
RSD's & SD's	✓	✓	
Internal Standards	✓	✓	
Carry-over	✓	✓	see log
Method QC:			
CRI/CRA	✓	✓	
ICSA/ICSAB	✓	✓	
Post Spikes/Serial Dilutions	✓		
Analytic Spikes	✓		
Matrix QC:			
SRM/LCS	✓	✓	
Matrix Spikes	✓	✓	LS71 LR67 LR71
Matrix Duplicates	✓	✓	
Method Blanks	✓	✓	
Data Distribution:			
Requested elements/isotope identified	✓	✓	
Correct samples identified for distribution	✓	✓	
Raw data match distributed data	✓	✓	
Data filename correct	✓	✓	
Necessary Analysts Notes and CAF's	✓	✓	LS71 LR67 LR71

10/10/07

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

10/9/2007 11:14:30 AM Hg ReAlign... Actual peak offset (nm): -0.000
Drift (nm): -0.001 Slit adjustment: -3

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	322494.6
-1.6	15.0	430825.8
-1.2	15.0	531640.3
-0.8	15.0	608595.7
-0.4	15.0	637361.2
0.0	15.0	592826.0
0.4	15.0	540888.6
0.8	15.0	449249.6
1.2	15.0	363657.5
1.6	15.0	282481.3
2.0	15.0	218180.9
-0.4	10.0	7476.6
-0.4	10.5	29311.5
-0.4	11.0	53587.6
-0.4	11.5	85510.4
-0.4	12.0	126384.7
-0.4	12.5	252982.2
-0.4	13.0	339205.9
-0.4	13.5	441621.7
-0.4	14.0	539232.6
-0.4	14.5	641015.3
-0.4	15.0	625865.2
-0.4	15.5	573027.3
-0.4	16.0	472767.2
-0.4	16.5	279549.8
-0.4	17.0	209785.2
-0.4	17.5	148524.6
-0.4	18.0	97004.1
-0.4	18.5	61512.8
-0.4	19.0	20186.3
-0.4	19.5	8969.2
-0.4	20.0	3644.5
-1.2	14.5	555956.3
-0.8	14.5	610299.4
-0.4	14.5	643366.9
0.0	14.5	629356.9
0.4	14.5	557612.2
-0.4	12.5	269736.8
-0.4	13.0	341621.2
-0.4	13.5	435405.2
-0.4	14.0	543469.6
-0.4	14.5	654141.8
-0.4	15.0	635802.1
-0.4	15.5	560975.8
-0.4	16.0	473601.8
-0.4	16.5	288286.6

10/9/2007 11:18:47 AM aligned for analyte Mn 257.610
X viewing position set to -0.4 mm having Peak intensity 654141.8 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 654141.8 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	411.7
-6.5	15.0	559.6
-6.0	15.0	759.6
-5.5	15.0	1422.0
-5.0	15.0	3458.4
-4.5	15.0	8818.2

-4.0	15.0	20248.5
-3.5	15.0	43584.7
-3.0	15.0	79935.5
-2.5	15.0	138995.6
-2.0	15.0	211267.5
-1.5	15.0	239287.4
-1.0	15.0	226847.9
-0.5	15.0	270288.0
0.0	15.0	413259.6
0.5	15.0	404593.9
1.0	15.0	362518.6
1.5	15.0	307355.8
2.0	15.0	245925.7
2.5	15.0	165170.4
3.0	15.0	91694.9
3.5	15.0	33620.7
4.0	15.0	32943.0
4.5	15.0	27636.5
5.0	15.0	16625.2
5.5	15.0	7715.1
6.0	15.0	3933.2
6.5	15.0	3402.9
7.0	15.0	3038.0

10/9/2007 11:22:04 AM aligned for analyte Mn 257.610
X viewing position set to 0.0 mm having Peak intensity 413259.6 for Radial viewing

==========

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

==========

10/9/2007 11:39:25 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -3

==========

==========

Analysis Begun

Start Time: 10/9/2007 11:39:49 AM **Plasma On Time: 10/9/2007 10:26:33 AM**
Logged In Analyst: metals **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N0060101Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET I.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

==========

Method Loaded
Method Name: ARIIEC6 **Method Last Saved: 9/12/2007 7:12:16 AM**
IEC File: IEC33MC.iec **MSF File:**
Method Description: 12Axial Elements

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Al 308.215	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
B 249.677	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ba 233.527	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Be 313.042	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ca 317.933	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cd 228.802	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Co 228.616	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Cr 267.716	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Fe 273.955	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
K 766.490	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Mg 279.077	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mn 257.610	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes

Na 589.592	Lin Thru 0	Peak Area	Radial	ScR 361.383	No
Na 330.237	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ni 231.604	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Si 288.158	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Sr 421.552	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Ti 334.903	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
V 292.402	Lin Thru 0	Peak Area	Axial	ScA 357.253	Yes
Zn 206.200	Lin Thru 0	Peak Area	Radial	ScR 361.383	Yes
ScA 357.253	Lin, Calc Int	Peak Area	Axial	n/a	n/a
ScR 361.383	Lin, Calc Int	Peak Area	Radial	n/a	n/a

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 11:39:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank 1

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1784523.2	1489.65	0.08%	100.0	%
ScR 361.383	146667.0	226.79	0.15%	100.0	%
Ag 328.068†	4327.1	46.36	1.07%	[0.00]	mg/L
Al 308.215†	-223.2	30.74	13.77%	[0.00]	mg/L
As 188.979†	69.4	1.83	2.63%	[0.00]	mg/L
B 249.677†	75.4	3.59	4.76%	[0.00]	mg/L
Ba 233.527†	17.8	4.77	26.80%	[0.00]	mg/L
Be 313.042†	1089.8	10.36	0.95%	[0.00]	mg/L
Ca 317.933†	210.1	16.50	7.85%	[0.00]	mg/L
Cd 228.802†	2.3	1.85	80.98%	[0.00]	mg/L
Co 228.616†	441.3	3.29	0.75%	[0.00]	mg/L
Cr 267.716†	-67.4	3.59	5.32%	[0.00]	mg/L
Cu 324.752†	2410.4	14.89	0.62%	[0.00]	mg/L
Fe 273.955†	-155.6	0.96	0.62%	[0.00]	mg/L
K 766.490†	1973.4	52.07	2.64%	[0.00]	mg/L
Mg 279.077†	-25.6	4.99	19.50%	[0.00]	mg/L
Mn 257.610†	88.4	3.72	4.21%	[0.00]	mg/L
Mo 202.031†	-132.9	0.52	0.39%	[0.00]	mg/L
Na 589.592†	336.8	14.00	4.16%	[0.00]	mg/L
Na 330.237†	101.7	2.78	2.73%	[0.00]	mg/L
Ni 231.604†	1.6	0.99	60.58%	[0.00]	mg/L
Pb 220.353†	266.2	5.47	2.06%	[0.00]	mg/L
Sb 206.836†	-10.8	5.24	48.70%	[0.00]	mg/L
Se 196.026†	-100.7	3.51	3.49%	[0.00]	mg/L
Si 288.158†	-43.4	15.73	36.23%	[0.00]	mg/L
Sn 189.927†	43.9	2.29	5.21%	[0.00]	mg/L
Sr 421.552†	-6354.1	28.71	0.45%	[0.00]	mg/L
Ti 334.903†	-227.2	26.00	11.44%	[0.00]	mg/L
Tl 190.801†	-58.6	6.93	11.84%	[0.00]	mg/L
V 292.402†	568.9	10.91	1.92%	[0.00]	mg/L
Zn 206.200†	-20.2	2.94	14.56%	[0.00]	mg/L

Sequence No.: 2
Sample ID: STD2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 10/9/2007 11:46:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD2

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: STD2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1801597.8	5617.75	0.31%	101.0	%
ScR 361.383	152163.1	77.40	0.05%	103.7	%
Ba 233.527†	57375.3	27.80	0.05%	[10]	mg/L
Cd 228.802†	418956.6	2177.18	0.52%	[10]	mg/L
Co 228.616†	532091.1	1330.78	0.25%	[10]	mg/L
Cr 267.716†	42224.4	109.02	0.26%	[10]	mg/L
Cu 324.752†	2203618.2	1296.40	0.06%	[10]	mg/L
Mn 257.610†	293060.6	1159.43	0.40%	[10]	mg/L
V 292.402†	1197674.1	5404.95	0.45%	[10]	mg/L

Sequence No.: 3
Sample ID: STD3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 10/9/2007 11:50:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD3

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: STD3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1793156.2	9266.17	0.52%	100.5	%
ScR 361.383	152862.2	1198.05	0.78%	104.2	%
Ag 328.068†	162193.6	397.14	0.24%	[1.0]	mg/L
As 188.979†	11835.1	103.54	0.87%	[10]	mg/L
B 249.677†	19987.5	165.58	0.83%	[10]	mg/L
Be 313.042†	1396628.6	1642.17	0.12%	[5.0]	mg/L
Na 589.592†	103278.2	492.85	0.48%	[50]	mg/L
Ni 231.604†	12415.6	145.00	1.17%	[10]	mg/L
Pb 220.353†	70674.0	382.24	0.54%	[10]	mg/L
Se 196.026†	11279.8	49.15	0.44%	[10]	mg/L
Sr 421.552†	1542102.0	5750.47	0.37%	[5]	mg/L
Tl 190.801†	21052.3	158.86	0.75%	[10]	mg/L
Zn 206.200†	10677.5	109.36	1.02%	[10]	mg/L

Sequence No.: 4
Sample ID: STD4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 10/9/2007 11:55:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD4

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: STD4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1823974.2	7795.17	0.43%	102.2	%
ScR 361.383	152125.4	355.49	0.23%	103.7	%
Mo 202.031†	63460.8	159.06	0.25%	[10]	mg/L
Sb 206.836†	21256.4	52.12	0.25%	[10]	mg/L
Si 288.158†	17430.9	72.02	0.41%	[10]	mg/L
Sn 189.927†	33471.8	150.10	0.45%	[10]	mg/L
Ti 334.903†	209815.2	1077.29	0.51%	[10]	mg/L

Sequence No.: 5
Sample ID: STD5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 10/9/2007 12:00:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: STD5

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: STD5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
ScA 357.253	1772206.8	8402.06	0.47%	99.31	%
ScR 361.383	148856.3	221.12	0.15%	101.5	%
Al 308.215†	50328.6	192.25	0.38%	[30]	mg/L
Ca 317.933†	310655.9	773.55	0.25%	[30]	mg/L
Fe 273.955†	124102.8	432.24	0.35%	[100]	mg/L
K 766.490†	136497.8	388.94	0.28%	[100]	mg/L
Mg 279.077†	37636.2	197.77	0.53%	[30]	mg/L
Na 330.237†	2308.1	14.36	0.62%	[100]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	162200	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	1678	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1184	0.00000	1.000000	
B 249.677	1	Lin Thru 0	0.0	1999	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	5738	0.00000	1.000000	
Be 313.042	1	Lin Thru 0	0.0	279300	0.00000	1.000000	
Ca 317.933	1	Lin Thru 0	0.0	10360	0.00000	1.000000	
Cd 228.802	1	Lin Thru 0	0.0	41900	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	53210	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	4222	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	220400	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	1241	0.00000	1.000000	
K 766.490	1	Lin Thru 0	0.0	1365	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	1255	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	29310	0.00000	1.000000	
Mo 202.031	1	Lin Thru 0	0.0	6346	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	2066	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	23.08	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	1242	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	7067	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	2126	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	1128	0.00000	1.000000	
Si 288.158	1	Lin Thru 0	0.0	1743	0.00000	1.000000	
Sn 189.927	1	Lin Thru 0	0.0	3347	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	308400	0.00000	1.000000	
Ti 334.903	1	Lin Thru 0	0.0	20980	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	2105	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	119800	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	1068	0.00000	1.000000	

Analysis Begun

Start Time: 10/9/2007 12:18:59 PM
Logged In Analyst: metals
Spectrometer Model: Optima 4300 DV, S/N 077N0060101
Plasma On Time: 10/9/2007 10:26:33 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\CRISET I.sif
Batch ID:
Results Data Set: PE071009
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: CV
Analyst:
Initial Sample Wt:
Dilution: 1X
Autosampler Location: 7
Date Collected: 10/9/2007 12:19:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1794532.5	100.6	%	0.78				0.78%
ScR 361.383	152948.7	104.3	%	0.63				0.60%
Ag 328.068†	162689.0	1.003	mg/L	0.0084	1.003	mg/L	0.0084	0.83%
Al 308.215†	3370.5	1.970	mg/L	0.0112	1.970	mg/L	0.0112	0.57%
As 188.979†	2390.4	2.017	mg/L	0.0204	2.017	mg/L	0.0204	1.01%
B 249.677†	1953.4	0.9758	mg/L	0.00401	0.9758	mg/L	0.00401	0.41%
Ba 233.527†	5562.2	0.9694	mg/L	0.00506	0.9694	mg/L	0.00506	0.52%
Be 313.042†	277296.6	0.9905	mg/L	0.00598	0.9905	mg/L	0.00598	0.60%
Ca 317.933†	21093.6	2.037	mg/L	0.0108	2.037	mg/L	0.0108	0.53%
Cd 228.802†	42377.9	0.9984	mg/L	0.00716	0.9984	mg/L	0.00716	0.72%
Co 228.616†	51148.5	0.9597	mg/L	0.00658	0.9597	mg/L	0.00658	0.69%
Cr 267.716†	4070.5	0.9640	mg/L	0.00435	0.9640	mg/L	0.00435	0.45%
Cu 324.752†	230934.7	1.048	mg/L	0.0081	1.048	mg/L	0.0081	0.77%
Fe 273.955†	2480.9	1.996	mg/L	0.0107	1.996	mg/L	0.0107	0.54%
K 766.490†	27709.1	20.30	mg/L	0.200	20.30	mg/L	0.200	0.99%
Mg 279.077†	2538.3	2.026	mg/L	0.0105	2.026	mg/L	0.0105	0.52%
Mn 257.610†	28436.8	0.9714	mg/L	0.00141	0.9714	mg/L	0.00141	0.14%
Mo 202.031†	6144.1	0.9681	mg/L	0.01006	0.9681	mg/L	0.01006	1.04%
Na 589.592†	101036.1	48.91	mg/L	0.285	48.91	mg/L	0.285	0.58%
Na 330.237†	1186.1	51.05	mg/L	0.437	51.05	mg/L	0.437	0.86%
Ni 231.604†	1211.3	0.9772	mg/L	0.00568	0.9772	mg/L	0.00568	0.58%
Pb 220.353†	14230.3	2.015	mg/L	0.0150	2.015	mg/L	0.0150	0.74%
Sb 206.836†	4295.6	2.019	mg/L	0.0171	2.019	mg/L	0.0171	0.85%
Se 196.026†	2222.0	1.969	mg/L	0.0204	1.969	mg/L	0.0204	1.04%
Si 288.158†	3562.7	2.047	mg/L	0.0133	2.047	mg/L	0.0133	0.65%
Sn 189.927†	3027.3	0.9048	mg/L	0.00871	0.9048	mg/L	0.00871	0.96%
Sr 421.552†	304285.4	0.9865	mg/L	0.00824	0.9865	mg/L	0.00824	0.84%
Ti 334.903†	20850.6	0.9928	mg/L	0.00641	0.9928	mg/L	0.00641	0.65%
Tl 190.801†	4116.4	1.943	mg/L	0.0213	1.943	mg/L	0.0213	1.10%
V 292.402†	117688.9	0.9938	mg/L	0.00740	0.9938	mg/L	0.00740	0.74%
Zn 206.200†	1069.0	1.001	mg/L	0.0046	1.001	mg/L	0.0046	0.46%

Sequence No.: 2
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 12:25:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1810356.0	101.4	%	0.80				0.79%
ScR 361.383	153712.4	104.8	%	0.55				0.52%
Ag 328.068†	53.6	0.00033	mg/L	0.000273	0.00033	mg/L	0.000273	82.65%
Al 308.215†	22.4	0.01328	mg/L	0.006761	0.01328	mg/L	0.006761	50.91%
As 188.979†	5.5	0.00464	mg/L	0.002577	0.00464	mg/L	0.002577	55.49%
B 249.677†	14.2	0.00711	mg/L	0.000222	0.00711	mg/L	0.000222	3.12%
Ba 233.527†	3.1	0.00054	mg/L	0.000787	0.00054	mg/L	0.000787	144.75%
Be 313.042†	17.9	0.00006	mg/L	0.000059	0.00006	mg/L	0.000059	92.74%
Ca 317.933†	-11.6	-0.00112	mg/L	0.002075	-0.00112	mg/L	0.002075	184.91%
Cd 228.802†	8.4	0.00017	mg/L	0.000075	0.00017	mg/L	0.000075	44.22%
Co 228.616†	1.4	0.00003	mg/L	0.000104	0.00003	mg/L	0.000104	389.12%
Cr 267.716†	1.5	0.00035	mg/L	0.000558	0.00035	mg/L	0.000558	159.34%
Cu 324.752†	158.6	0.00072	mg/L	0.000369	0.00072	mg/L	0.000369	51.27%
Fe 273.955†	2.6	0.00208	mg/L	0.005505	0.00208	mg/L	0.005505	265.03%
K 766.490†	-30.9	-0.02265	mg/L	0.037386	-0.02265	mg/L	0.037386	165.03%
Mg 279.077†	8.7	0.00697	mg/L	0.017979	0.00697	mg/L	0.017979	258.05%
Mn 257.610†	-0.6	-0.00002	mg/L	0.000253	-0.00002	mg/L	0.000253	>999.9%
Mo 202.031†	11.0	0.00174	mg/L	0.000591	0.00174	mg/L	0.000591	34.04%
Na 589.592†	37.7	0.01827	mg/L	0.008701	0.01827	mg/L	0.008701	47.63%
Na 330.237†	-9.9	-0.4303	mg/L	0.43009	-0.4303	mg/L	0.43009	99.95%
Ni 231.604†	-2.3	-0.00184	mg/L	0.000854	-0.00184	mg/L	0.000854	46.30%
Pb 220.353†	6.8	0.00096	mg/L	0.000780	0.00096	mg/L	0.000780	80.98%
Sb 206.836†	-1.0	-0.00045	mg/L	0.002808	-0.00045	mg/L	0.002808	623.59%
Se 196.026†	-0.6	-0.00050	mg/L	0.003855	-0.00050	mg/L	0.003855	775.94%
Si 288.158†	-5.4	-0.00311	mg/L	0.004874	-0.00311	mg/L	0.004874	156.64%
Sn 189.927†	8.7	0.00260	mg/L	0.001275	0.00260	mg/L	0.001275	49.10%
Sr 421.552†	87.2	0.00028	mg/L	0.000061	0.00028	mg/L	0.000061	21.58%
Ti 334.903†	13.6	0.00064	mg/L	0.000782	0.00064	mg/L	0.000782	121.25%
Tl 190.801†	9.6	0.00454	mg/L	0.002060	0.00454	mg/L	0.002060	45.42%
V 292.402†	8.5	0.00008	mg/L	0.000061	0.00008	mg/L	0.000061	74.37%
Zn 206.200†	-0.9	-0.00087	mg/L	0.000387	-0.00087	mg/L	0.000387	44.55%

Sequence No.: 3
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 21
Date Collected: 10/9/2007 12:32:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CRI

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1805802.6	101.2	%	0.34				0.33%
ScR 361.383	153416.2	104.6	%	1.15				1.10%
Ag 328.068†	532.1	0.00328	mg/L	0.000593	0.00328	mg/L	0.000593	18.06%
Al 308.215†	85.8	0.05097	mg/L	0.001001	0.05097	mg/L	0.001001	1.96%
As 188.979†	68.0	0.05743	mg/L	0.003951	0.05743	mg/L	0.003951	6.88%
B 249.677†	44.1	0.02206	mg/L	0.001364	0.02206	mg/L	0.001364	6.18%
Ba 233.527†	16.4	0.00285	mg/L	0.001021	0.00285	mg/L	0.001021	35.78%
Be 313.042†	280.4	0.00100	mg/L	0.000019	0.00100	mg/L	0.000019	1.94%
Ca 317.933†	542.4	0.05237	mg/L	0.002517	0.05237	mg/L	0.002517	4.81%
Cd 228.802†	99.4	0.00200	mg/L	0.000227	0.00200	mg/L	0.000227	11.35%
Co 228.616†	163.1	0.00306	mg/L	0.000152	0.00306	mg/L	0.000152	4.98%
Cr 267.716†	23.4	0.00555	mg/L	0.001050	0.00555	mg/L	0.001050	18.94%
Cu 324.752†	646.9	0.00294	mg/L	0.000259	0.00294	mg/L	0.000259	8.81%
Fe 273.955†	65.4	0.05266	mg/L	0.001192	0.05266	mg/L	0.001192	2.26%
K 766.490†	641.0	0.4696	mg/L	0.01257	0.4696	mg/L	0.01257	2.68%
Mg 279.077†	73.9	0.05892	mg/L	0.015052	0.05892	mg/L	0.015052	25.54%
Mn 257.610†	28.6	0.00099	mg/L	0.000019	0.00099	mg/L	0.000019	1.88%
Mo 202.031†	38.7	0.00610	mg/L	0.000528	0.00610	mg/L	0.000528	8.67%
Na 589.592†	1117.0	0.5408	mg/L	0.00527	0.5408	mg/L	0.00527	0.98%
Na 330.237†	-3.1	-0.1386	mg/L	0.32631	-0.1386	mg/L	0.32631	235.43%
Ni 231.604†	14.5	0.01170	mg/L	0.001765	0.01170	mg/L	0.001765	15.09%
Pb 220.353†	144.8	0.02051	mg/L	0.000574	0.02051	mg/L	0.000574	2.80%
Sb 206.836†	106.9	0.05030	mg/L	0.003527	0.05030	mg/L	0.003527	7.01%
Se 196.026†	56.5	0.05006	mg/L	0.005213	0.05006	mg/L	0.005213	10.41%
Si 288.158†	114.4	0.06564	mg/L	0.003183	0.06564	mg/L	0.003183	4.85%
Sn 189.927†	38.7	0.01157	mg/L	0.000216	0.01157	mg/L	0.000216	1.87%
Sr 421.552†	339.2	0.00110	mg/L	0.000154	0.00110	mg/L	0.000154	14.03%
Ti 334.903†	95.5	0.00455	mg/L	0.000289	0.00455	mg/L	0.000289	6.36%
Tl 190.801†	106.0	0.05031	mg/L	0.002911	0.05031	mg/L	0.002911	5.79%
V 292.402†	365.5	0.00312	mg/L	0.000353	0.00312	mg/L	0.000353	11.33%
Zn 206.200†	11.3	0.01056	mg/L	0.000824	0.01056	mg/L	0.000824	7.80%

Sequence No.: 4
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 22
Date Collected: 10/9/2007 12:38:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1751012.2	98.12	%	0.223				0.23%
ScR 361.383	154967.9	105.7	%	1.15				1.09%
Ag 328.068†	-962.6	0.00068	mg/L	0.000423	0.00068	mg/L	0.000423	62.17%
Al 308.215†	331881.7	197.8	mg/L	0.18	197.8	mg/L	0.18	0.09%
As 188.979†	67.4	0.01575	mg/L	0.006815	0.01575	mg/L	0.006815	43.27%
B 249.677†	-8.9	0.01207	mg/L	0.003463	0.01207	mg/L	0.003463	28.68%
Ba 233.527†	48.5	0.00113	mg/L	0.000534	0.00113	mg/L	0.000534	47.29%
Be 313.042†	-6.6	-0.00006	mg/L	0.000130	-0.00006	mg/L	0.000130	219.84%
Ca 317.933†	1022722.9	98.76	mg/L	0.283	98.76	mg/L	0.283	0.29%
Cd 228.802†	23.7	0.00019	mg/L	0.000101	0.00019	mg/L	0.000101	52.63%
Co 228.616†	66.5	-0.00197	mg/L	0.000164	-0.00197	mg/L	0.000164	8.31%
Cr 267.716†	-1.7	0.00363	mg/L	0.000685	0.00363	mg/L	0.000685	18.88%
Cu 324.752†	-4023.9	0.00028	mg/L	0.000115	0.00028	mg/L	0.000115	40.75%
Fe 273.955†	246578.4	198.7	mg/L	0.11	198.7	mg/L	0.11	0.06%
K 766.490†	23.9	0.01751	mg/L	0.027064	0.01751	mg/L	0.027064	154.58%
Mg 279.077†	128254.6	102.2	mg/L	0.31	102.2	mg/L	0.31	0.30%
Mn 257.610†	93.6	0.00055	mg/L	0.000211	0.00055	mg/L	0.000211	38.50%
Mo 202.031†	-4.3	0.00605	mg/L	0.001455	0.00605	mg/L	0.001455	24.06%
Na 589.592†	28.7	0.01388	mg/L	0.017078	0.01388	mg/L	0.017078	123.08%
Na 330.237†	-0.5	-0.1208	mg/L	0.69060	-0.1208	mg/L	0.69060	571.69%
Ni 231.604†	1.0	0.00082	mg/L	0.003958	0.00082	mg/L	0.003958	479.97%
Pb 220.353†	-362.2	-0.00558	mg/L	0.001484	-0.00558	mg/L	0.001484	26.58%
Sb 206.836†	-6.5	-0.00299	mg/L	0.002883	-0.00299	mg/L	0.002883	96.31%
Se 196.026†	-139.1	-0.04923	mg/L	0.006667	-0.04923	mg/L	0.006667	13.54%
Si 288.158†	-15.1	-0.00865	mg/L	0.005866	-0.00865	mg/L	0.005866	67.80%
Sn 189.927†	-14.9	-0.00976	mg/L	0.002124	-0.00976	mg/L	0.002124	21.75%
Sr 421.552†	720.0	0.00012	mg/L	0.000116	0.00012	mg/L	0.000116	93.70%
Ti 334.903†	119.8	0.00571	mg/L	0.000657	0.00571	mg/L	0.000657	11.50%
Tl 190.801†	-57.2	-0.02723	mg/L	0.002056	-0.02723	mg/L	0.002056	7.55%
V 292.402†	1853.8	-0.00012	mg/L	0.000154	-0.00012	mg/L	0.000154	126.14%
Zn 206.200†	-14.2	-0.01055	mg/L	0.001769	-0.01055	mg/L	0.001769	16.76%

Sequence No.: 5
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 23
Date Collected: 10/9/2007 12:45:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1755438.9	98.37	%	0.169				0.17%
ScR 361.383	151302.3	103.2	%	0.23				0.22%
Ag 328.068†	172558.5	1.071	mg/L	0.0014	1.071	mg/L	0.0014	0.13%
Al 308.215†	335515.0	200.0	mg/L	0.31	200.0	mg/L	0.31	0.16%
As 188.979†	1286.4	1.045	mg/L	0.0045	1.045	mg/L	0.0045	0.43%
B 249.677†	2.6	0.01479	mg/L	0.001566	0.01479	mg/L	0.001566	10.59%
Ba 233.527†	5607.9	0.9696	mg/L	0.00572	0.9696	mg/L	0.00572	0.59%
Be 313.042†	285191.0	1.019	mg/L	0.0019	1.019	mg/L	0.0019	0.18%
Ca 317.933†	1025986.6	99.08	mg/L	0.217	99.08	mg/L	0.217	0.22%
Cd 228.802†	42595.7	1.010	mg/L	0.0061	1.010	mg/L	0.0061	0.60%
Co 228.616†	50365.4	0.9430	mg/L	0.00374	0.9430	mg/L	0.00374	0.40%
Cr 267.716†	4063.3	0.9663	mg/L	0.00218	0.9663	mg/L	0.00218	0.23%
Cu 324.752†	234856.7	1.085	mg/L	0.0015	1.085	mg/L	0.0015	0.13%
Fe 273.955†	245799.6	198.1	mg/L	0.31	198.1	mg/L	0.31	0.16%
K 766.490†	145.7	0.1067	mg/L	0.04422	0.1067	mg/L	0.04422	41.43%
Mg 279.077†	128353.8	102.2	mg/L	0.19	102.2	mg/L	0.19	0.19%
Mn 257.610†	29023.2	0.9882	mg/L	0.00309	0.9882	mg/L	0.00309	0.31%
Mo 202.031†	-10.7	0.00505	mg/L	0.000423	0.00505	mg/L	0.000423	8.38%
Na 589.592†	27.2	0.01318	mg/L	0.004912	0.01318	mg/L	0.004912	37.27%
Na 330.237†	17.0	0.1335	mg/L	0.16207	0.1335	mg/L	0.16207	121.40%
Ni 231.604†	1187.9	0.9575	mg/L	0.00282	0.9575	mg/L	0.00282	0.29%
Pb 220.353†	6615.0	0.9829	mg/L	0.00409	0.9829	mg/L	0.00409	0.42%
Sb 206.836†	2223.6	1.036	mg/L	0.0046	1.036	mg/L	0.0046	0.44%
Se 196.026†	1016.4	0.9739	mg/L	0.00281	0.9739	mg/L	0.00281	0.29%
Si 288.158†	-23.0	-0.01262	mg/L	0.005507	-0.01262	mg/L	0.005507	43.64%
Sn 189.927†	-25.9	-0.01302	mg/L	0.002461	-0.01302	mg/L	0.002461	18.90%
Sr 421.552†	624.2	-0.00026	mg/L	0.000216	-0.00026	mg/L	0.000216	84.48%
Ti 334.903†	120.3	0.00546	mg/L	0.000530	0.00546	mg/L	0.000530	9.71%
Tl 190.801†	2001.0	0.9395	mg/L	0.00397	0.9395	mg/L	0.00397	0.42%
V 292.402†	123347.4	1.021	mg/L	0.0019	1.021	mg/L	0.0019	0.19%
Zn 206.200†	1001.6	0.9405	mg/L	0.00107	0.9405	mg/L	0.00107	0.11%

Sequence No.: 6
Sample ID: CV
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 7
Date Collected: 10/9/2007 12:51:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CV

Analyte	Back Pressure	Flow
All	155.0 kPa	0.50 L/min

Mean Data: CV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1786646.7	100.1	%	0.40				0.40%
ScR 361.383	153397.1	104.6	%	0.43				0.41%
Ag 328.068†	163817.0	1.010	mg/L	0.0115	1.010	mg/L	0.0115	1.14%
Al 308.215†	3352.5	1.959	mg/L	0.0069	1.959	mg/L	0.0069	0.35%
As 188.979†	2381.7	2.010	mg/L	0.0097	2.010	mg/L	0.0097	0.48%
B 249.677†	1939.6	0.9688	mg/L	0.00710	0.9688	mg/L	0.00710	0.73%
Ba 233.527†	5566.6	0.9701	mg/L	0.00328	0.9701	mg/L	0.00328	0.34%
Be 313.042†	279562.5	0.9986	mg/L	0.00152	0.9986	mg/L	0.00152	0.15%
Ca 317.933†	21369.7	2.063	mg/L	0.0003	2.063	mg/L	0.0003	0.01%
Cd 228.802†	42994.7	1.013	mg/L	0.0029	1.013	mg/L	0.0029	0.28%
Co 228.616†	51922.8	0.9742	mg/L	0.00762	0.9742	mg/L	0.00762	0.78%
Cr 267.716†	4069.8	0.9639	mg/L	0.00292	0.9639	mg/L	0.00292	0.30%
Cu 324.752†	232503.6	1.055	mg/L	0.0085	1.055	mg/L	0.0085	0.81%
Fe 273.955†	2483.6	1.998	mg/L	0.0100	1.998	mg/L	0.0100	0.50%
K 766.490†	27564.0	20.19	mg/L	0.056	20.19	mg/L	0.056	0.28%
Mg 279.077†	2551.6	2.037	mg/L	0.0047	2.037	mg/L	0.0047	0.23%
Mn 257.610†	28550.7	0.9753	mg/L	0.00321	0.9753	mg/L	0.00321	0.33%
Mo 202.031†	6165.0	0.9714	mg/L	0.00443	0.9714	mg/L	0.00443	0.46%
Na 589.592†	100281.5	48.55	mg/L	0.235	48.55	mg/L	0.235	0.48%
Na 330.237†	1181.7	50.85	mg/L	0.183	50.85	mg/L	0.183	0.36%
Ni 231.604†	1216.6	0.9815	mg/L	0.00540	0.9815	mg/L	0.00540	0.55%
Pb 220.353†	14473.1	2.049	mg/L	0.0106	2.049	mg/L	0.0106	0.52%
Sb 206.836†	4290.1	2.016	mg/L	0.0101	2.016	mg/L	0.0101	0.50%
Se 196.026†	2225.5	1.972	mg/L	0.0128	1.972	mg/L	0.0128	0.65%
Si 288.158†	3542.3	2.035	mg/L	0.0173	2.035	mg/L	0.0173	0.85%
Sn 189.927†	3062.9	0.9154	mg/L	0.00346	0.9154	mg/L	0.00346	0.38%
Sr 421.552†	304071.8	0.9858	mg/L	0.00046	0.9858	mg/L	0.00046	0.05%
Ti 334.903†	20922.9	0.9962	mg/L	0.00240	0.9962	mg/L	0.00240	0.24%
Tl 190.801†	4146.8	1.958	mg/L	0.0079	1.958	mg/L	0.0079	0.40%
V 292.402†	118526.8	1.001	mg/L	0.0091	1.001	mg/L	0.0091	0.91%
Zn 206.200†	1075.9	1.007	mg/L	0.0045	1.007	mg/L	0.0045	0.44%

Sequence No.: 7
Sample ID: CB
Analyst:
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 1
Date Collected: 10/9/2007 12:58:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CB

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: CB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1793387.1	100.5	%	0.36				0.36%
ScR 361.383	149962.1	102.2	%	1.14				1.11%
Ag 328.068†	166.4	0.00103	mg/L	0.000298	0.00103	mg/L	0.000298	29.04%
Al 308.215†	-13.8	-0.00821	mg/L	0.003619	-0.00821	mg/L	0.003619	44.10%
As 188.979†	2.7	0.00232	mg/L	0.002817	0.00232	mg/L	0.002817	121.22%
B 249.677†	20.2	0.01010	mg/L	0.001899	0.01010	mg/L	0.001899	18.79%
Ba 233.527†	5.8	0.00101	mg/L	0.000650	0.00101	mg/L	0.000650	64.29%
Be 313.042†	31.7	0.00011	mg/L	0.000100	0.00011	mg/L	0.000100	88.56%
Ca 317.933†	47.4	0.00458	mg/L	0.001887	0.00458	mg/L	0.001887	41.25%
Cd 228.802†	1.9	0.00003	mg/L	0.000103	0.00003	mg/L	0.000103	339.10%
Co 228.616†	15.7	0.00029	mg/L	0.000158	0.00029	mg/L	0.000158	53.55%
Cr 267.716†	1.5	0.00035	mg/L	0.001695	0.00035	mg/L	0.001695	479.74%
Cu 324.752†	154.4	0.00070	mg/L	0.000281	0.00070	mg/L	0.000281	40.14%
Fe 273.955†	0.2	0.00013	mg/L	0.000848	0.00013	mg/L	0.000848	660.85%
K 766.490†	-12.1	-0.00889	mg/L	0.040097	-0.00889	mg/L	0.040097	450.92%
Mg 279.077†	8.4	0.00669	mg/L	0.007932	0.00669	mg/L	0.007932	118.65%
Mn 257.610†	4.4	0.00015	mg/L	0.000214	0.00015	mg/L	0.000214	143.32%
Mo 202.031†	1.4	0.00022	mg/L	0.000319	0.00022	mg/L	0.000319	142.70%
Na 589.592†	47.6	0.02304	mg/L	0.005809	0.02304	mg/L	0.005809	25.22%
Na 330.237†	-16.1	-0.6985	mg/L	0.50647	-0.6985	mg/L	0.50647	72.50%
Ni 231.604†	3.9	0.00313	mg/L	0.001885	0.00313	mg/L	0.001885	60.19%
Pb 220.353†	9.3	0.00132	mg/L	0.000803	0.00132	mg/L	0.000803	61.02%
Sb 206.836†	-8.5	-0.00397	mg/L	0.001214	-0.00397	mg/L	0.001214	30.60%
Se 196.026†	-5.4	-0.00478	mg/L	0.003163	-0.00478	mg/L	0.003163	66.19%
Si 288.158†	5.7	0.00326	mg/L	0.004022	0.00326	mg/L	0.004022	123.24%
Sn 189.927†	8.4	0.00251	mg/L	0.001366	0.00251	mg/L	0.001366	54.49%
Sr 421.552†	-70.6	-0.00023	mg/L	0.000130	-0.00023	mg/L	0.000130	56.86%
Ti 334.903†	-4.2	-0.00020	mg/L	0.002617	-0.00020	mg/L	0.002617	>999.9%
Tl 190.801†	9.7	0.00460	mg/L	0.000866	0.00460	mg/L	0.000866	18.85%
V 292.402†	40.9	0.00035	mg/L	0.000278	0.00035	mg/L	0.000278	80.49%
Zn 206.200†	1.0	0.00097	mg/L	0.000827	0.00097	mg/L	0.000827	85.69%

Sequence No.: 8
Sample ID: IDL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:04:54 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL1

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
ScA 357.253	1797032.5	100.7	%	0.47				0.47%
ScR 361.383	151741.1	103.5	%	0.64				0.62%
Ag 328.068†	74.7	0.00046	mg/L	0.000426	0.00046	mg/L	0.000426	92.44%
Al 308.215†	-5.5	-0.00329	mg/L	0.018267	-0.00329	mg/L	0.018267	554.90%
As 188.979†	5.3	0.00448	mg/L	0.001746	0.00448	mg/L	0.001746	38.99%
B 249.677†	6.3	0.00315	mg/L	0.000730	0.00315	mg/L	0.000730	23.19%
Ba 233.527†	3.0	0.00052	mg/L	0.000527	0.00052	mg/L	0.000527	101.68%
Be 313.042†	42.1	0.00015	mg/L	0.000073	0.00015	mg/L	0.000073	48.51%
Ca 317.933†	33.0	0.00319	mg/L	0.001337	0.00319	mg/L	0.001337	41.91%
Cd 228.802†	5.9	0.00011	mg/L	0.000092	0.00011	mg/L	0.000092	81.52%
Co 228.616†	14.6	0.00028	mg/L	0.000119	0.00028	mg/L	0.000119	42.99%
Cr 267.716†	3.6	0.00086	mg/L	0.001142	0.00086	mg/L	0.001142	132.28%
Cu 324.752†	125.3	0.00057	mg/L	0.000196	0.00057	mg/L	0.000196	34.42%
Fe 273.955†	-3.4	-0.00278	mg/L	0.001756	-0.00278	mg/L	0.001756	63.23%
K 766.490†	-34.2	-0.02505	mg/L	0.013267	-0.02505	mg/L	0.013267	52.96%
Mg 279.077†	6.9	0.00549	mg/L	0.015925	0.00549	mg/L	0.015925	290.22%
Mn 257.610†	0.9	0.00003	mg/L	0.000169	0.00003	mg/L	0.000169	547.82%
Mo 202.031†	3.9	0.00062	mg/L	0.000267	0.00062	mg/L	0.000267	43.25%
Na 589.592†	72.4	0.03505	mg/L	0.005354	0.03505	mg/L	0.005354	15.27%
Na 330.237†	-6.7	-0.2903	mg/L	0.59657	-0.2903	mg/L	0.59657	205.54%
Ni 231.604†	4.2	0.00335	mg/L	0.001997	0.00335	mg/L	0.001997	59.67%
Pb 220.353†	6.2	0.00088	mg/L	0.000690	0.00088	mg/L	0.000690	78.47%
Sb 206.836†	-2.1	-0.00099	mg/L	0.001179	-0.00099	mg/L	0.001179	119.04%
Se 196.026†	-5.0	-0.00446	mg/L	0.003290	-0.00446	mg/L	0.003290	73.69%
Si 288.158†	-18.1	-0.01037	mg/L	0.009692	-0.01037	mg/L	0.009692	93.44%
Sn 189.927†	8.4	0.00251	mg/L	0.000719	0.00251	mg/L	0.000719	28.67%
Sr 421.552†	-121.3	-0.00039	mg/L	0.000197	-0.00039	mg/L	0.000197	50.21%
Ti 334.903†	-30.6	-0.00146	mg/L	0.000100	-0.00146	mg/L	0.000100	6.89%
Tl 190.801†	5.2	0.00246	mg/L	0.000763	0.00246	mg/L	0.000763	30.97%
V 292.402†	27.5	0.00024	mg/L	0.000394	0.00024	mg/L	0.000394	163.82%
Zn 206.200†	-0.1	-0.00010	mg/L	0.000627	-0.00010	mg/L	0.000627	619.00%

Sequence No.: 9
Sample ID: IDL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 10/9/2007 1:11:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: IDL2

Analyte	Back Pressure	Flow
All	156.0 kPa	0.50 L/min

Mean Data: IDL2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
ScA 357.253	1796223.4	100.7	%	0.36				0.36%
ScR 361.383	152951.5	104.3	%	0.60				0.57%
Ag 328.068†	123.2	0.00076	mg/L	0.000388	0.00076	mg/L	0.000388	51.11%
Al 308.215†	-11.7	-0.00696	mg/L	0.015125	-0.00696	mg/L	0.015125	217.43%
As 188.979†	2.7	0.00227	mg/L	0.005738	0.00227	mg/L	0.005738	253.05%
B 249.677†	3.1	0.00156	mg/L	0.002107	0.00156	mg/L	0.002107	135.42%
Ba 233.527†	1.9	0.00033	mg/L	0.000684	0.00033	mg/L	0.000684	209.33%
Be 313.042†	28.5	0.00010	mg/L	0.000081	0.00010	mg/L	0.000081	80.08%
Ca 317.933†	51.4	0.00497	mg/L	0.003121	0.00497	mg/L	0.003121	62.83%
Cd 228.802†	-3.1	-0.00009	mg/L	0.000159	-0.00009	mg/L	0.000159	179.72%
Co 228.616†	9.9	0.00019	mg/L	0.000222	0.00019	mg/L	0.000222	118.92%
Cr 267.716†	-0.4	-0.00009	mg/L	0.001707	-0.00009	mg/L	0.001707	>999.9%
Cu 324.752†	144.8	0.00066	mg/L	0.000114	0.00066	mg/L	0.000114	17.32%
Fe 273.955†	1.0	0.00080	mg/L	0.001903	0.00080	mg/L	0.001903	237.98%
K 766.490†	-5.7	-0.00417	mg/L	0.017916	-0.00417	mg/L	0.017916	429.99%
Mg 279.077†	6.4	0.00507	mg/L	0.014320	0.00507	mg/L	0.014320	282.51%
Mn 257.610†	4.8	0.00016	mg/L	0.000152	0.00016	mg/L	0.000152	93.88%
Mo 202.031†	-0.3	-0.00005	mg/L	0.001353	-0.00005	mg/L	0.001353	>999.9%
Na 589.592†	36.8	0.01782	mg/L	0.006020	0.01782	mg/L	0.006020	33.78%
Na 330.237†	0.7	0.03073	mg/L	0.545664	0.03073	mg/L	0.545664	>999.9%
Ni 231.604†	1.6	0.00131	mg/L	0.001065	0.00131	mg/L	0.001065	81.04%
Pb 220.353†	0.7	0.00009	mg/L	0.000584	0.00009	mg/L	0.000584	638.72%
Sb 206.836†	-6.0	-0.00283	mg/L	0.003553	-0.00283	mg/L	0.003553	125.60%
Se 196.026†	-1.8	-0.00158	mg/L	0.002263	-0.00158	mg/L	0.002263	143.40%
Si 288.158†	-2.3	-0.00134	mg/L	0.008733	-0.00134	mg/L	0.008733	649.81%
Sn 189.927†	7.0	0.00208	mg/L	0.000955	0.00208	mg/L	0.000955	45.95%
Sr 421.552†	-98.1	-0.00032	mg/L	0.000109	-0.00032	mg/L	0.000109	34.32%
Ti 334.903†	-19.3	-0.00092	mg/L	0.001690	-0.00092	mg/L	0.001690	183.28%
Tl 190.801†	4.7	0.00222	mg/L	0.001003	0.00222	mg/L	0.001003	45.16%
V 292.402†	11.9	0.00010	mg/L	0.000096	0.00010	mg/L	0.000096	96.58%
Zn 206.200†	-1.3	-0.00123	mg/L	0.001694	-0.00123	mg/L	0.001694	137.49%