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Analysis Begun

Start Time: 10/28/2016 10:50:18 AM Plasma On Time: 10/28/2016 9:23:58 AM
Logged In Analyst: metinst Technique: ICP Continuous
Spectrometer: Optima 7300 DV, S/N 077C8121202 Autosampler: ESI

Sample Information File: C:\pe\metals\Sample Information\CRISETelmt.sif
Batch ID:
Results Data Set: I2161028
Results Library: C:\Documents and Settings\All Users\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 Autosampler Location: 1
Sample ID: SEQ-CAL1 Date Collected: 10/28/2016 10:50:19 AM
Data Type: Original

Nebulizer Parameters: SEQ-CAL1
Analyte Back Pressure Flow
All 137.0 kPa 0.65 L/min

Mean Data: SEQ-CAL1

Analyte	Mean Corrected	Std.Dev.	RSD	Conc.	Units	Calib
ScA 357.253	1750489.2	12505.05	0.71%	100.0	%	
ScR 361.383	192493.8	1148.04	0.60%	100.0	%	
Ag 328.068†	-63.4	21.18	33.38%	[0.00]	mg/L	
Al 308.215†	-76.9	5.41	7.03%	[0.00]	mg/L	
As 188.979†	0.1	3.30	>999.9%	[0.00]	mg/L	
B 249.677†	65.1	1.71	2.64%	[0.00]	mg/L	
Ba 233.527†	-22.2	2.29	10.30%	[0.00]	mg/L	
Be 313.042†	940.8	4.64	0.49%	[0.00]	mg/L	
Ca 317.933†	-300.2	2.83	0.94%	[0.00]	mg/L	
Cd 228.802†	208.6	2.82	1.35%	[0.00]	mg/L	
Co 228.616†	-85.7	1.97	2.30%	[0.00]	mg/L	
Cr 267.716†	-42.9	5.83	13.58%	[0.00]	mg/L	
Cu 324.752†	719.5	24.66	3.43%	[0.00]	mg/L	
Fe 273.955†	-97.3	3.49	3.58%	[0.00]	mg/L	
K 766.490†	349.3	11.01	3.15%	[0.00]	mg/L	
Mg 279.077†	-119.8	2.52	2.11%	[0.00]	mg/L	
Mn 257.610†	-155.9	5.06	3.24%	[0.00]	mg/L	
Mo 202.031†	49.1	6.39	13.01%	[0.00]	mg/L	
Na 589.592†	233.7	6.52	2.79%	[0.00]	mg/L	
Na 330.237†	-56.2	6.61	11.76%	[0.00]	mg/L	
Ni 231.604†	-38.7	6.26	16.18%	[0.00]	mg/L	
Pb 220.353†	14.4	5.38	37.34%	[0.00]	mg/L	
Sb 206.836†	57.9	3.82	6.60%	[0.00]	mg/L	
Se 196.026†	-22.4	3.77	16.81%	[0.00]	mg/L	
Si 288.158†	55.1	1.89	3.44%	[0.00]	mg/L	
Sn 189.927†	-8.6	4.54	52.63%	[0.00]	mg/L	
Sr 421.552†	360.9	24.08	6.67%	[0.00]	mg/L	
Ti 334.903†	323.3	15.24	4.71%	[0.00]	mg/L	
Tl 190.801†	-40.8	1.91	4.68%	[0.00]	mg/L	
V 292.402†	161.1	30.47	18.92%	[0.00]	mg/L	
Zn 206.200†	-18.0	3.04	16.92%	[0.00]	mg/L	

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Sequence No.: 2 Autosampler Location: 2
Sample ID: SEQ-CAL2 Date Collected: 10/28/2016 10:54:20 AM
Data Type: Original

Nebulizer Parameters: SEQ-CAL2
Analyte Back Pressure Flow
All 137.0 kPa 0.65 L/min

Mean Data: SEQ-CAL2

Mean Corrected Calib

Analyte	Intensity	Std.Dev.	RSD	Conc. Units
ScA 357.253	1756476.5	11805.78	0.67%	100.3 %
ScR 361.383	192607.2	1242.30	0.64%	100.1 %
Ba 233.527†	59316.6	297.40	0.50%	[10] mg/L
Cd 228.802†	172810.7	535.65	0.31%	[10] mg/L
Co 228.616†	252821.3	302.64	0.12%	[10] mg/L
Cr 267.716†	57685.0	383.95	0.67%	[10] mg/L
Cu 324.752†	1437964.5	1605.03	0.11%	[10] mg/L
Mn 257.610†	297271.1	1619.77	0.54%	[10] mg/L
V 292.402†	1015183.5	1103.19	0.11%	[10] mg/L

Sequence No.: 3

Autosampler Location: 3

Sample ID: SEQ-CAL3

Date Collected: 10/28/2016 10:56:06 AM

Data Type: Original

Nebulizer Parameters: SEQ-CAL3

Analyte	Back Pressure	Flow
All	137.0 kPa	0.65 L/min

Mean Data: SEQ-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units	Calib
ScA 357.253	1748901.4	13327.34	0.76%	99.91 %	
ScR 361.383	192740.5	1490.74	0.77%	100.1 %	
Ag 328.068†	129589.0	128.46	0.10%	[1.0] mg/L	
As 188.979†	12260.6	48.48	0.40%	[10] mg/L	
B 249.677†	51700.3	73.93	0.14%	[10] mg/L	
Be 313.042†	1648125.7	21152.29	1.28%	[5.0] mg/L	
Na 589.592†	374150.3	5124.46	1.37%	[50] mg/L	
Ni 231.604†	35756.9	69.20	0.19%	[10] mg/L	
Pb 220.353†	66202.6	240.81	0.36%	[10] mg/L	
Se 196.026†	9235.2	43.79	0.47%	[10] mg/L	
Sr 421.552†	2481294.7	29568.26	1.19%	[5] mg/L	
Tl 190.801†	14616.4	106.67	0.73%	[10] mg/L	
Zn 206.200†	31820.2	47.40	0.15%	[10] mg/L	

Sequence No.: 4

Autosampler Location: 4

Sample ID: SEQ-CAL4

Date Collected: 10/28/2016 10:58:23 AM

Data Type: Original

Nebulizer Parameters: SEQ-CAL4

Analyte	Back Pressure	Flow
All	137.0 kPa	0.65 L/min

Mean Data: SEQ-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc. Units	Calib
ScA 357.253	1785605.8	6126.02	0.34%	102.0 %	
ScR 361.383	194196.9	1362.80	0.70%	100.9 %	
Mo 202.031†	155318.2	927.40	0.60%	[10] mg/L	
Sb 206.836†	24110.1	116.07	0.48%	[10] mg/L	
Si 288.158†	11739.4	64.47	0.55%	[10] mg/L	
Sn 189.927†	28959.5	175.32	0.61%	[10] mg/L	
Ti 334.903†	143716.3	403.88	0.28%	[10] mg/L	

Sequence No.: 5

Autosampler Location: 5

Sample ID: SEQ-CAL5

Date Collected: 10/28/2016 11:00:37 AM

Data Type: Original

Nebulizer Parameters: SEQ-CAL5

Analyte	Back Pressure	Flow
All	137.0 kPa	0.65 L/min

Mean Data: SEQ-CAL5

Analyte	Mean Corrected		Std.Dev.	RSD	Calib	
	Intensity				Conc.	Units
ScA 357.253	1672159.0		4239.78	0.25%	95.53	%
ScR 361.383	194889.3		2130.63	1.09%	101.2	%
Al 308.215†	27959.4		297.44	1.06%	[30]	mg/L
Ca 317.933†	210007.1		298.64	0.14%	[30]	mg/L
Fe 273.955†	77653.6		337.50	0.43%	[100]	mg/L
K 766.490†	120197.9		716.05	0.60%	[100]	mg/L
Mg 279.077†	23967.7		267.11	1.11%	[30]	mg/L
Na 330.237†	1686.5		23.45	1.39%	[100]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	1	Lin Thru 0	0.0	129600	0.00000	1.000000	
Al 308.215	1	Lin Thru 0	0.0	932.0	0.00000	1.000000	
As 188.979	1	Lin Thru 0	0.0	1226	0.00000	1.000000	
B 249.677	1	Lin Thru 0	0.0	5170	0.00000	1.000000	
Ba 233.527	1	Lin Thru 0	0.0	5932	0.00000	1.000000	
Be 313.042	1	Lin Thru 0	0.0	329600	0.00000	1.000000	
Ca 317.933	1	Lin Thru 0	0.0	7000	0.00000	1.000000	
Cd 228.802	1	Lin Thru 0	0.0	17280	0.00000	1.000000	
Co 228.616	1	Lin Thru 0	0.0	25280	0.00000	1.000000	
Cr 267.716	1	Lin Thru 0	0.0	5769	0.00000	1.000000	
Cu 324.752	1	Lin Thru 0	0.0	143800	0.00000	1.000000	
Fe 273.955	1	Lin Thru 0	0.0	776.5	0.00000	1.000000	
K 766.490	1	Lin Thru 0	0.0	1202	0.00000	1.000000	
Mg 279.077	1	Lin Thru 0	0.0	798.9	0.00000	1.000000	
Mn 257.610	1	Lin Thru 0	0.0	29730	0.00000	1.000000	
Mo 202.031	1	Lin Thru 0	0.0	15530	0.00000	1.000000	
Na 589.592	1	Lin Thru 0	0.0	7483	0.00000	1.000000	
Na 330.237	1	Lin Thru 0	0.0	16.86	0.00000	1.000000	
Ni 231.604	1	Lin Thru 0	0.0	3576	0.00000	1.000000	
Pb 220.353	1	Lin Thru 0	0.0	6620	0.00000	1.000000	
Sb 206.836	1	Lin Thru 0	0.0	2411	0.00000	1.000000	
Se 196.026	1	Lin Thru 0	0.0	923.5	0.00000	1.000000	
Si 288.158	1	Lin Thru 0	0.0	1174	0.00000	1.000000	
Sn 189.927	1	Lin Thru 0	0.0	2896	0.00000	1.000000	
Sr 421.552	1	Lin Thru 0	0.0	496300	0.00000	1.000000	
Ti 334.903	1	Lin Thru 0	0.0	14370	0.00000	1.000000	
Tl 190.801	1	Lin Thru 0	0.0	1462	0.00000	1.000000	
V 292.402	1	Lin Thru 0	0.0	101500	0.00000	1.000000	
Zn 206.200	1	Lin Thru 0	0.0	3182	0.00000	1.000000	

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Analysis Begun

Start Time: 10/28/2016 11:04:58 AM
 Logged In Analyst: metinst
 Spectrometer: Optima 7300 DV, S/N 077C8121202

Plasma On Time: 10/28/2016 9:23:58 AM
 Technique: ICP Continuous
 Autosampler: ESI

Sample Information File: C:\pe\metals\Sample Information\CRISETelmt.sif

Batch ID:

Results Data Set: I2161028

Results Library: C:\Documents and Settings\All Users\PerkinElmer\ICP\Data\Results\Results.mdb

Sequence No.: 1

Sample ID: SEQ-ICV1

Autosampler Location: 7

Date Collected: 10/28/2016 11:04:59 AM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-ICV1

Analyte	Back Pressure	Flow
All	137.0 kPa	0.65 L/min

Mean Data: SEQ-ICV1

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1771875.0	101.2 %	0.48			0.48%
ScR 361.383	191877.2	99.68 %	0.664			0.67%
Ag 328.068†	135177.5	1.043 mg/L	0.0127	1.043 mg/L	0.0127	1.22%
Al 308.215†	2018.2	2.132 mg/L	0.0156	2.132 mg/L	0.0156	0.73%
As 188.979†	2452.4	2.027 mg/L	0.0071	2.027 mg/L	0.0071	0.35%
B 249.677†	5301.0	1.024 mg/L	0.0075	1.024 mg/L	0.0075	0.74%
Ba 233.527†	6085.2	1.026 mg/L	0.0072	1.026 mg/L	0.0072	0.70%
Be 313.042†	337198.5	1.023 mg/L	0.0066	1.023 mg/L	0.0066	0.65%
Ca 317.933†	15182.8	2.169 mg/L	0.0123	2.169 mg/L	0.0123	0.57%
Cd 228.802†	17870.3	1.023 mg/L	0.0096	1.023 mg/L	0.0096	0.94%
Co 228.616†	25298.9	0.9987 mg/L	0.01187	0.9987 mg/L	0.01187	1.19%
Cr 267.716†	5951.0	1.030 mg/L	0.0067	1.030 mg/L	0.0067	0.65%
Cu 324.752†	144594.8	1.005 mg/L	0.0117	1.005 mg/L	0.0117	1.16%
Fe 273.955†	1659.4	2.129 mg/L	0.0063	2.129 mg/L	0.0063	0.29%
K 766.490†	25788.1	21.45 mg/L	0.126	21.45 mg/L	0.126	0.59%
Mg 279.077†	1710.9	2.149 mg/L	0.0074	2.149 mg/L	0.0074	0.34%
Mn 257.610†	29013.4	0.9766 mg/L	0.00659	0.9766 mg/L	0.00659	0.67%
Mo 202.031†	15155.6	0.9757 mg/L	0.01263	0.9757 mg/L	0.01263	1.29%
Na 589.592†	384233.1	51.35 mg/L	0.233	51.35 mg/L	0.233	0.45%
Na 330.237†	931.4	55.09 mg/L ✓	0.191	55.09 mg/L	0.191	0.35%
Ni 231.604†	3675.1	1.028 mg/L	0.0069	1.028 mg/L	0.0069	0.67%
Pb 220.353†	13155.2	1.988 mg/L	0.0256	1.988 mg/L	0.0256	1.29%
Sb 206.836†	5068.1	2.099 mg/L	0.0116	2.099 mg/L	0.0116	0.55%
Se 196.026†	1896.7	2.052 mg/L	0.0079	2.052 mg/L	0.0079	0.39%
Si 288.158†	2511.2	2.137 mg/L	0.0110	2.137 mg/L	0.0110	0.52%
Sn 189.927†	2887.5	0.9988 mg/L	0.00529	0.9988 mg/L	0.00529	0.53%
Sr 421.552†	511690.0	1.031 mg/L	0.0052	1.031 mg/L	0.0052	0.51%
Ti 334.903†	14646.2	1.018 mg/L	0.0053	1.018 mg/L	0.0053	0.53%
Tl 190.801†	2958.7	2.016 mg/L	0.0079	2.016 mg/L	0.0079	0.39%
V 292.402†	102960.0	1.019 mg/L	0.0112	1.019 mg/L	0.0112	1.10%
Zn 206.200†	3277.5	1.030 mg/L	0.0064	1.030 mg/L	0.0064	0.62%

Sequence No.: 2
 Sample ID: SEQ-ICB1
 Dilution: 1.000000X

Autosampler Location: 1
 Date Collected: 10/28/2016 11:09:00 AM
 Data Type: Original

Nebulizer Parameters: SEQ-ICB1

Analyte Back Pressure Flow
 All 138.0 kPa 0.65 L/min

Mean Data: SEQ-ICB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1767059.6	100.9 %		0.09			0.09%
ScR 361.383	193468.8	100.5 %		0.58			0.58%
Ag 328.068†	2.5	0.00002 mg/L		0.000192	0.00002 mg/L	0.000192	976.65%
Al 308.215†	0.5	0.00057 mg/L		0.002333	0.00057 mg/L	0.002333	409.77%
As 188.979†	4.9	0.00399 mg/L		0.000760	0.00399 mg/L	0.000760	19.07%
B 249.677†	17.5	0.00339 mg/L		0.000906	0.00339 mg/L	0.000906	26.73%
Ba 233.527†	3.2	0.00054 mg/L		0.000255	0.00054 mg/L	0.000255	47.41%
Be 313.042†	37.6	0.00011 mg/L		0.000030	0.00011 mg/L	0.000030	26.25%
Ca 317.933†	4.2	0.00060 mg/L		0.000910	0.00060 mg/L	0.000910	151.18%
Cd 228.802†	-3.1	-0.00021 mg/L		0.000114	-0.00021 mg/L	0.000114	55.01%
Co 228.616†	6.0	0.00024 mg/L		0.000214	0.00024 mg/L	0.000214	89.14%
Cr 267.716†	-0.8	-0.00014 mg/L		0.001228	-0.00014 mg/L	0.001228	847.17%
Cu 324.752†	15.5	0.00011 mg/L		0.000089	0.00011 mg/L	0.000089	82.54%
Fe 273.955†	-0.1	-0.00008 mg/L		0.000988	-0.00008 mg/L	0.000988	>999.9%
K 766.490†	28.0	0.02325 mg/L		0.007069	0.02325 mg/L	0.007069	30.40%
Mg 279.077†	0.5	0.00069 mg/L		0.007818	0.00069 mg/L	0.007818	>999.9%
Mn 257.610†	0.0	0.00000 mg/L		0.000194	0.00000 mg/L	0.000194	>999.9%
Mo 202.031†	11.9	0.00077 mg/L		0.000691	0.00077 mg/L	0.000691	89.95%
Na 589.592†	-0.7	-0.00009 mg/L		0.005848	-0.00009 mg/L	0.005848	>999.9%
Na 330.237†	4.0	0.2383 mg/L		0.67959	0.2383 mg/L	0.67959	285.13%
Ni 231.604†	-3.5	-0.00097 mg/L		0.000273	-0.00097 mg/L	0.000273	28.23%
Pb 220.353†	4.0	0.00060 mg/L		0.000731	0.00060 mg/L	0.000731	122.41%
Sb 206.836†	3.0	0.00126 mg/L		0.000627	0.00126 mg/L	0.000627	49.86%
Se 196.026†	0.3	0.00037 mg/L		0.004588	0.00037 mg/L	0.004588	>999.9%
Si 288.158†	-0.6	-0.00055 mg/L		0.005299	-0.00055 mg/L	0.005299	963.66%
Sn 189.927†	0.4	0.00013 mg/L		0.001170	0.00013 mg/L	0.001170	921.93%
Sr 421.552†	-18.7	-0.00004 mg/L		0.000041	-0.00004 mg/L	0.000041	108.52%
Ti 334.903†	-2.2	-0.00015 mg/L		0.001269	-0.00015 mg/L	0.001269	827.26%
Tl 190.801†	2.9	0.00198 mg/L		0.004235	0.00198 mg/L	0.004235	214.13%
V 292.402†	3.3	0.00003 mg/L		0.000139	0.00003 mg/L	0.000139	427.10%
Zn 206.200†	1.2	0.00039 mg/L		0.000693	0.00039 mg/L	0.000693	178.27%

Sequence No.: 3
 Sample ID: SEQ-CRL1

Autosampler Location: 301
 Date Collected: 10/28/2016 11:13:00 AM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-CRL1

Analyte	Back Pressure	Flow
All	138.0 kPa	0.65 L/min

Mean Data: SEQ-CRL1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1761798.9	100.6 %		0.17			0.17%
ScR 361.383	195349.6	101.5 %		0.52			0.51%
Ag 328.068†	444.3	0.00343 mg/L		0.000330	0.00343 mg/L	0.000330	9.62%
Al 308.215†	50.2	0.05369 mg/L		0.003417	0.05369 mg/L	0.003417	6.37%
As 188.979†	66.6	0.05440 mg/L		0.001998	0.05440 mg/L	0.001998	3.67%
B 249.677†	119.6	0.02312 mg/L		0.000322	0.02312 mg/L	0.000322	1.39%
Ba 233.527†	21.0	0.00354 mg/L		0.000362	0.00354 mg/L	0.000362	10.22%
Be 313.042†	331.3	0.00100 mg/L		0.000056	0.00100 mg/L	0.000056	5.57%
Ca 317.933†	376.9	0.05383 mg/L		0.002778	0.05383 mg/L	0.002778	5.16%
Cd 228.802†	39.7	0.00197 mg/L		0.000241	0.00197 mg/L	0.000241	12.24%
Co 228.616†	84.0	0.00331 mg/L		0.000212	0.00331 mg/L	0.000212	6.41%
Cr 267.716†	30.9	0.00533 mg/L		0.001723	0.00533 mg/L	0.001723	32.31%
Cu 324.752†	323.2	0.00224 mg/L		0.000198	0.00224 mg/L	0.000198	8.84%
Fe 273.955†	43.5	0.05595 mg/L		0.001553	0.05595 mg/L	0.001553	2.78%
K 766.490†	690.3	0.5743 mg/L		0.02266	0.5743 mg/L	0.02266	3.95%
Mg 279.077†	38.3	0.04799 mg/L		0.000247	0.04799 mg/L	0.000247	0.52%
Mn 257.610†	25.2	0.00086 mg/L		0.000159	0.00086 mg/L	0.000159	18.59%
Mo 202.031†	83.4	0.00537 mg/L		0.000396	0.00537 mg/L	0.000396	7.37%
Na 589.592†	3766.8	0.5034 mg/L		0.00194	0.5034 mg/L	0.00194	0.39%
Na 330.237†	17.1	1.009 mg/L		0.6281	1.009 mg/L	0.6281	62.27%
Ni 231.604†	34.0	0.00950 mg/L		0.000589	0.00950 mg/L	0.000589	6.20%
Pb 220.353†	147.1	0.02223 mg/L		0.002008	0.02223 mg/L	0.002008	9.03%
Sb 206.836†	127.0	0.05269 mg/L		0.001622	0.05269 mg/L	0.001622	3.08%
Se 196.026†	45.0	0.04875 mg/L		0.007232	0.04875 mg/L	0.007232	14.84%
Si 288.158†	69.9	0.05956 mg/L		0.004756	0.05956 mg/L	0.004756	7.98%
Sn 189.927†	28.4	0.00983 mg/L		0.000958	0.00983 mg/L	0.000958	9.75%
Sr 421.552†	466.1	0.00094 mg/L		0.000068	0.00094 mg/L	0.000068	7.23%
Ti 334.903†	66.5	0.00462 mg/L		0.000630	0.00462 mg/L	0.000630	13.64%
Tl 190.801†	76.8	0.05249 mg/L		0.002645	0.05249 mg/L	0.002645	5.04%
V 292.402†	294.7	0.00292 mg/L		0.000124	0.00292 mg/L	0.000124	4.26%
Zn 206.200†	33.4	0.01050 mg/L		0.000765	0.01050 mg/L	0.000765	7.29%

Sequence No.: 4
 Sample ID: SEQ-IFA1
 Dilution: 1.000000X

Autosampler Location: 302
 Date Collected: 10/28/2016 11:17:00 AM
 Data Type: Original

Nebulizer Parameters: SEQ-IFA1

Analyte Back Pressure Flow
 All 137.0 kPa 0.65 L/min

Mean Data: SEQ-IFA1

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1727566.1	98.69 %	0.392			0.40%
ScR 361.383	192335.1	99.92 %	0.423			0.42%
Ag 328.068†	-108.5	-0.00084 mg/L	0.000239	-0.00084 mg/L	0.000239	28.60%
Al 308.215†	194230.0	208.4 mg/L	0.86	208.4 mg/L	0.86	0.41%
As 188.979†	21.3	0.00269 mg/L	0.004211	0.00269 mg/L	0.004211	156.49%
B 249.677†	8.2	0.00159 mg/L	0.001855	0.00159 mg/L	0.001855	116.96%
Ba 233.527†	135.9	-0.00019 mg/L	0.000664	-0.00019 mg/L	0.000664	350.09%
Be 313.042†	79.7	0.00024 mg/L	0.000010	0.00024 mg/L	0.000010	4.01%
Ca 317.933†	740349.2	105.8 mg/L	0.30	105.8 mg/L	0.30	0.29%
Cd 228.802†	16.0	-0.00095 mg/L	0.000458	-0.00095 mg/L	0.000458	48.42%
Co 228.616†	42.3	0.00165 mg/L	0.000207	0.00165 mg/L	0.000207	12.50%
Cr 267.716†	-15.1	0.00026 mg/L	0.000451	0.00026 mg/L	0.000451	170.55%
Cu 324.752†	-1158.5	0.00176 mg/L	0.000089	0.00176 mg/L	0.000089	5.04%
Fe 273.955†	163678.2	210.8 mg/L	0.64	210.8 mg/L	0.64	0.30%
K 766.490†	48.8	0.04061 mg/L	0.014481	0.04061 mg/L	0.014481	35.66%
Mg 279.077†	85550.5	106.9 mg/L	0.23	106.9 mg/L	0.23	0.22%
Mn 257.610†	28.4	-0.00024 mg/L	0.000522	-0.00024 mg/L	0.000522	215.06%
Mo 202.031†	63.7	0.00255 mg/L	0.000249	0.00255 mg/L	0.000249	9.76%
Na 589.592†	-1.6	-0.00022 mg/L	0.003782	-0.00022 mg/L	0.003782	>999.9%
Na 330.237†	-2.9	-0.1693 mg/L	0.55350	-0.1693 mg/L	0.55350	326.84%
Ni 231.604†	-1.7	-0.00045 mg/L	0.001327	-0.00045 mg/L	0.001327	293.22%
Pb 220.353†	-318.8	0.00344 mg/L	0.001242	0.00344 mg/L	0.001242	36.15%
Sb 206.836†	46.4	0.01892 mg/L	0.001303	0.01892 mg/L	0.001303	6.89%
Se 196.026†	42.8	<u>0.02496</u> mg/L ✓	0.011036	0.02496 mg/L	0.011036	44.21%
Si 288.158†	-15.2	0.00180 mg/L	0.007097	0.00180 mg/L	0.007097	394.31%
Sn 189.927†	-132.5	<u>-0.02170</u> mg/L	0.001813	-0.02170 mg/L	0.001813	8.35%
Sr 421.552†	3279.5	<u>0.00661</u> mg/L <i>cont</i>	0.000056	0.00661 mg/L	0.000056	0.85%
Ti 334.903†	123.5	0.00099 mg/L	0.000400	0.00099 mg/L	0.000400	40.29%
Tl 190.801†	-36.0	-0.00491 mg/L	0.002826	-0.00491 mg/L	0.002826	57.52%
V 292.402†	651.3	-0.00161 mg/L	0.000444	-0.00161 mg/L	0.000444	27.58%
Zn 206.200†	0.6	0.00018 mg/L	0.001055	0.00018 mg/L	0.001055	599.23%

Sequence No.: 5
 Sample ID: SEQ-IFB1
 Dilution: 1.000000X

Autosampler Location: 303
 Date Collected: 10/28/2016 11:21:14 AM
 Data Type: Original

Nebulizer Parameters: SEQ-IFB1

Analyte Back Pressure Flow
 All 138.0 kPa 0.65 L/min

Mean Data: SEQ-IFB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1733902.3	99.05 %		0.514			0.52%
ScR 361.383	191314.6	99.39 %		0.626			0.63%
Ag 328.068†	129179.5	0.9971 mg/L		0.00459	0.9971 mg/L	0.00459	0.46%
Al 308.215†	194477.0	208.7 mg/L		0.56	208.7 mg/L	0.56	0.27%
As 188.979†	1233.1	0.9903 mg/L		0.00648	0.9903 mg/L	0.00648	0.65%
B 249.677†	3.0	-0.00200 mg/L		0.000961	-0.00200 mg/L	0.000961	47.95%
Ba 233.527†	6039.9	0.9951 mg/L		0.00554	0.9951 mg/L	0.00554	0.56%
Be 313.042†	333271.7	1.011 mg/L		0.0029	1.011 mg/L	0.0029	0.28%
Ca 317.933†	732609.1	104.7 mg/L		0.20	104.7 mg/L	0.20	0.20%
Cd 228.802†	17474.6	1.004 mg/L		0.0061	1.004 mg/L	0.0061	0.61%
Co 228.616†	23708.8	0.9375 mg/L		0.00555	0.9375 mg/L	0.00555	0.59%
Cr 267.716†	5742.4	0.9979 mg/L		0.00643	0.9979 mg/L	0.00643	0.64%
Cu 324.752†	138171.3	0.9709 mg/L		0.00192	0.9709 mg/L	0.00192	0.20%
Fe 273.955†	162997.7	209.9 mg/L		0.68	209.9 mg/L	0.68	0.32%
K 766.490†	75.4	0.06271 mg/L		0.007044	0.06271 mg/L	0.007044	11.23%
Mg 279.077†	82466.3	103.1 mg/L		0.20	103.1 mg/L	0.20	0.19%
Mn 257.610†	29323.2	0.9856 mg/L		0.00670	0.9856 mg/L	0.00670	0.68%
Mo 202.031†	62.5	0.00249 mg/L		0.000416	0.00249 mg/L	0.000416	16.75%
Na 589.592†	-79.2	-0.01058 mg/L		0.005745	-0.01058 mg/L	0.005745	54.28%
Na 330.237†	7.6	0.09719 mg/L		0.345016	0.09719 mg/L	0.345016	355.00%
Ni 231.604†	3449.3	0.9648 mg/L		0.00565	0.9648 mg/L	0.00565	0.59%
Pb 220.353†	6004.8	0.9591 mg/L		0.00533	0.9591 mg/L	0.00533	0.56%
Sb 206.836†	2515.8	1.031 mg/L		0.0084	1.031 mg/L	0.0084	0.81%
Se 196.026†	968.5	1.026 mg/L		0.0064	1.026 mg/L	0.0064	0.62%
Si 288.158†	-19.9	0.00035 mg/L		0.004674	0.00035 mg/L	0.004674	>999.9%
Sn 189.927†	-127.2	-0.01962 mg/L		0.000627	-0.01962 mg/L	0.000627	3.20%
Sr 421.552†	3191.6	0.00643 mg/L <i>cont.</i>		0.000039	0.00643 mg/L	0.000039	0.60%
Ti 334.903†	125.0	0.00095 mg/L		0.000211	0.00095 mg/L	0.000211	22.36%
Tl 190.801†	1334.7	0.9232 mg/L		0.00368	0.9232 mg/L	0.00368	0.40%
V 292.402†	97365.9	0.9558 mg/L		0.00278	0.9558 mg/L	0.00278	0.29%
Zn 206.200†	3064.8	0.9634 mg/L		0.00440	0.9634 mg/L	0.00440	0.46%

Sequence No.: 6
 Sample ID: SEQ-CCV1
 Dilution: 1.000000X

Autosampler Location: 7
 Date Collected: 10/28/2016 11:26:23 AM
 Data Type: Original

Nebulizer Parameters: SEQ-CCV1

Analyte Back Pressure Flow
 All 138.0 kPa 0.65 L/min

Mean Data: SEQ-CCV1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1773313.7	101.3 %		0.23			0.23%
ScR 361.383	194615.7	101.1 %		0.25			0.25%
Ag 328.068†	134074.6	1.035 mg/L		0.0019	1.035 mg/L	0.0019	0.18%
Al 308.215†	2003.8	2.117 mg/L		0.0165	2.117 mg/L	0.0165	0.78%
As 188.979†	2450.7	2.025 mg/L		0.0042	2.025 mg/L	0.0042	0.21%
B 249.677†	5243.7	1.013 mg/L		0.0030	1.013 mg/L	0.0030	0.30%
Ba 233.527†	6010.9	1.013 mg/L		0.0014	1.013 mg/L	0.0014	0.13%
Be 313.042†	334805.7	1.015 mg/L		0.0056	1.015 mg/L	0.0056	0.55%
Ca 317.933†	15126.3	2.161 mg/L		0.0064	2.161 mg/L	0.0064	0.30%
Cd 228.802†	17721.6	1.014 mg/L		0.0012	1.014 mg/L	0.0012	0.12%
Co 228.616†	25155.3	0.9930 mg/L		0.00209	0.9930 mg/L	0.00209	0.21%
Cr 267.716†	5921.0	1.025 mg/L		0.0010	1.025 mg/L	0.0010	0.10%
Cu 324.752†	143476.9	0.9973 mg/L		0.00080	0.9973 mg/L	0.00080	0.08%
Fe 273.955†	1659.5	2.129 mg/L		0.0078	2.129 mg/L	0.0078	0.37%
K 766.490†	25468.4	21.19 mg/L		0.065	21.19 mg/L	0.065	0.31%
Mg 279.077†	1698.8	2.134 mg/L		0.0014	2.134 mg/L	0.0014	0.06%
Mn 257.610†	28696.1	0.9659 mg/L		0.00564	0.9659 mg/L	0.00564	0.58%
Mo 202.031†	15097.4	0.9720 mg/L		0.00249	0.9720 mg/L	0.00249	0.26%
Na 589.592†	379229.8	50.68 mg/L		0.153	50.68 mg/L	0.153	0.30%
Na 330.237†	928.3	54.90 mg/L		0.063	54.90 mg/L	0.063	0.11%
Ni 231.604†	3656.9	1.023 mg/L		0.0007	1.023 mg/L	0.0007	0.07%
Pb 220.353†	13100.7	1.980 mg/L		0.0022	1.980 mg/L	0.0022	0.11%
Sb 206.836†	5070.7	2.101 mg/L		0.0049	2.101 mg/L	0.0049	0.23%
Se 196.026†	1883.7	2.038 mg/L		0.0064	2.038 mg/L	0.0064	0.31%
Si 288.158†	2487.7	2.117 mg/L		0.0072	2.117 mg/L	0.0072	0.34%
Sn 189.927†	2888.5	0.9992 mg/L		0.00333	0.9992 mg/L	0.00333	0.33%
Sr 421.552†	503754.0	1.015 mg/L		0.0046	1.015 mg/L	0.0046	0.45%
Ti 334.903†	14515.9	1.009 mg/L		0.0026	1.009 mg/L	0.0026	0.26%
Tl 190.801†	2944.7	2.006 mg/L		0.0070	2.006 mg/L	0.0070	0.35%
V 292.402†	101928.9	1.009 mg/L		0.0017	1.009 mg/L	0.0017	0.17%
Zn 206.200†	3255.2	1.023 mg/L		0.0019	1.023 mg/L	0.0019	0.19%

Sequence No.: 7
 Sample ID: SEQ-CCB1
 Dilution: 1.000000X

Autosampler Location: 1
 Date Collected: 10/28/2016 11:30:25 AM
 Data Type: Original

Nebulizer Parameters: SEQ-CCB1

Analyte Back Pressure Flow
 All 138.0 kPa 0.65 L/min

Mean Data: SEQ-CCB1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1778571.8	101.6 %		0.44			0.43%
ScR 361.383	194160.5	100.9 %		0.29			0.29%
Ag 328.068†	17.8	0.00014 mg/L		0.000271	0.00014 mg/L	0.000271	196.68%
Al 308.215†	1.8	0.00187 mg/L		0.007125	0.00187 mg/L	0.007125	380.18%
As 188.979†	2.3	0.00193 mg/L		0.002577	0.00193 mg/L	0.002577	133.52%
B 249.677†	13.4	0.00260 mg/L		0.001252	0.00260 mg/L	0.001252	48.19%
Ba 233.527†	0.2	0.00004 mg/L		0.000515	0.00004 mg/L	0.000515	>999.9%
Be 313.042†	42.0	0.00013 mg/L		0.000026	0.00013 mg/L	0.000026	20.70%
Ca 317.933†	17.1	0.00244 mg/L		0.002076	0.00244 mg/L	0.002076	85.19%
Cd 228.802†	0.7	0.00003 mg/L		0.000082	0.00003 mg/L	0.000082	291.30%
Co 228.616†	7.8	0.00031 mg/L		0.000184	0.00031 mg/L	0.000184	59.57%
Cr 267.716†	8.6	0.00148 mg/L		0.000829	0.00148 mg/L	0.000829	55.90%
Cu 324.752†	-3.5	-0.00002 mg/L		0.000084	-0.00002 mg/L	0.000084	336.81%
Fe 273.955†	4.7	0.00600 mg/L		0.000498	0.00600 mg/L	0.000498	8.31%
K 766.490†	46.9	0.03905 mg/L		0.037104	0.03905 mg/L	0.037104	95.01%
Mg 279.077†	-2.7	-0.00343 mg/L		0.002518	-0.00343 mg/L	0.002518	73.29%
Mn 257.610†	-2.6	-0.00009 mg/L		0.000104	-0.00009 mg/L	0.000104	117.93%
Mo 202.031†	8.9	0.00057 mg/L		0.000260	0.00057 mg/L	0.000260	45.46%
Na 589.592†	-67.0	-0.00896 mg/L		0.004448	-0.00896 mg/L	0.004448	49.67%
Na 330.237†	5.3	0.3146 mg/L		0.46440	0.3146 mg/L	0.46440	147.63%
Ni 231.604†	1.8	0.00049 mg/L		0.001361	0.00049 mg/L	0.001361	276.83%
Pb 220.353†	9.3	0.00141 mg/L		0.000986	0.00141 mg/L	0.000986	70.11%
Sb 206.836†	-3.0	-0.00127 mg/L		0.001312	-0.00127 mg/L	0.001312	103.56%
Se 196.026†	-2.2	-0.00243 mg/L		0.006149	-0.00243 mg/L	0.006149	253.00%
Si 288.158†	-1.5	-0.00128 mg/L		0.003619	-0.00128 mg/L	0.003619	283.13%
Sn 189.927†	0.2	0.00006 mg/L		0.001064	0.00006 mg/L	0.001064	>999.9%
Sr 421.552†	-13.2	-0.00003 mg/L		0.000055	-0.00003 mg/L	0.000055	208.93%
Ti 334.903†	13.6	0.00094 mg/L		0.000521	0.00094 mg/L	0.000521	55.16%
Tl 190.801†	1.4	0.00098 mg/L		0.001100	0.00098 mg/L	0.001100	112.44%
V 292.402†	10.9	0.00011 mg/L		0.000083	0.00011 mg/L	0.000083	73.41%
Zn 206.200†	1.5	0.00049 mg/L		0.001372	0.00049 mg/L	0.001372	282.64%

Sequence No.: 8

Autosampler Location: 304

Sample ID: BEJ0840-BLK2

Date Collected: 10/28/2016 11:34:25 AM

Dilution: 1.000000X

Data Type: Original

Nebulizer Parameters: BEJ0840-BLK2

Analyte Back Pressure Flow
 All 138.0 kPa 0.65 L/min

Mean Data: BEJ0840-BLK2

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1810410.9	103.4	%	0.53			0.51%
ScR 361.383	197934.1	102.8	%	0.79			0.77%
Ag 328.068†	23.5	0.00018	mg/L	0.000209	0.00018 mg/L	0.000209	115.03%
Al 308.215†	6.9	0.00744	mg/L	0.008461	0.00744 mg/L	0.008461	113.71%
As 188.979†	2.8	0.00224	mg/L	0.002190	0.00224 mg/L	0.002190	97.66%
B 249.677†	4.8	0.00092	mg/L	0.001349	0.00092 mg/L	0.001349	145.94%
Ba 233.527†	4.2	0.00071	mg/L	0.001243	0.00071 mg/L	0.001243	175.78%
Be 313.042†	-12.8	-0.00004	mg/L	0.000024	-0.00004 mg/L	0.000024	61.31%
Ca 317.933†	156.6	0.02237	mg/L	0.000908	0.02237 mg/L	0.000908	4.06%
Cd 228.802†	1.4	0.00007	mg/L	0.000150	0.00007 mg/L	0.000150	227.69%
Co 228.616†	6.7	0.00027	mg/L	0.000036	0.00027 mg/L	0.000036	13.39%
Cr 267.716†	9.6	0.00166	mg/L	0.000395	0.00166 mg/L	0.000395	23.84%
Cu 324.752†	-10.2	-0.00007	mg/L	0.000097	-0.00007 mg/L	0.000097	136.47%
Fe 273.955†	5.5	0.00703	mg/L	0.000442	0.00703 mg/L	0.000442	6.29%
K 766.490†	20.2	0.01682	mg/L	0.007664	0.01682 mg/L	0.007664	45.55%
Mg 279.077†	0.7	0.00085	mg/L	0.008760	0.00085 mg/L	0.008760	>999.9%
Mn 257.610†	2.0	0.00007	mg/L	0.000214	0.00007 mg/L	0.000214	321.69%
Mo 202.031†	-1.8	-0.00012	mg/L	0.000211	-0.00012 mg/L	0.000211	182.43%
Na 589.592†	11.5	0.00153	mg/L	0.008988	0.00153 mg/L	0.008988	586.04%
Na 330.237†	11.5	0.6791	mg/L	0.53376	0.6791 mg/L	0.53376	78.59%
Ni 231.604†	0.6	0.00017	mg/L	0.001390	0.00017 mg/L	0.001390	819.18%
Pb 220.353†	8.2	0.00124	mg/L	0.001098	0.00124 mg/L	0.001098	88.64%
Sb 206.836†	-7.6	-0.00319	mg/L	0.001673	-0.00319 mg/L	0.001673	52.36%
Se 196.026†	5.6	0.00605	mg/L	0.003232	0.00605 mg/L	0.003232	53.41%
Si 288.158†	2.1	0.00181	mg/L	0.002489	0.00181 mg/L	0.002489	137.42%
Sn 189.927†	-1.2	-0.00042	mg/L	0.000720	-0.00042 mg/L	0.000720	170.91%
Sr 421.552†	9.9	0.00002	mg/L	0.000070	0.00002 mg/L	0.000070	353.36%
Ti 334.903†	-10.0	-0.00069	mg/L	0.000933	-0.00069 mg/L	0.000933	134.29%
Tl 190.801†	0.6	0.00039	mg/L	0.001473	0.00039 mg/L	0.001473	379.11%
V 292.402†	-5.6	-0.00005	mg/L	0.000212	-0.00005 mg/L	0.000212	441.12%
Zn 206.200†	4.9	0.00153	mg/L	0.000322	0.00153 mg/L	0.000322	21.04%

Sequence No.: 9

Autosampler Location: 305

Sample ID: BEJ0734-BLK1

Date Collected: 10/28/2016 11:38:26 AM

Dilution: 1.000000X

Data Type: Original

Nebulizer Parameters: BEJ0734-BLK1

Analyte Back Pressure Flow
 All 137.0 kPa 0.65 L/min

Mean Data: BEJ0734-BLK1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1805287.3	103.1 %		0.50			0.49%
ScR 361.383	199448.5	103.6 %		0.92			0.89%
Ag 328.068†	15.8	0.00012 mg/L		0.000281	0.00012 mg/L	0.000281	230.09%
Al 308.215†	84.3	0.09046 mg/L		0.006789	0.09046 mg/L	0.006789	7.51%
As 188.979†	3.5	0.00282 mg/L		0.002868	0.00282 mg/L	0.002868	101.62%
B 249.677†	88.5	0.01712 mg/L		0.000693	0.01712 mg/L	0.000693	4.05%
Ba 233.527†	-0.5	-0.00008 mg/L		0.000198	-0.00008 mg/L	0.000198	237.46%
Be 313.042†	1.1	0.00000 mg/L		0.000038	0.00000 mg/L	0.000038	>999.9%
Ca 317.933†	1387.4	0.1982 mg/L		0.00212	0.1982 mg/L	0.00212	1.07%
Cd 228.802†	3.5	0.00018 mg/L		0.000120	0.00018 mg/L	0.000120	65.90%
Co 228.616†	8.5	0.00034 mg/L		0.000152	0.00034 mg/L	0.000152	45.08%
Cr 267.716†	2.3	0.00040 mg/L		0.000879	0.00040 mg/L	0.000879	221.31%
Cu 324.752†	0.6	0.00000 mg/L		0.000161	0.00000 mg/L	0.000161	>999.9%
Fe 273.955†	9.9	0.01277 mg/L		0.002725	0.01277 mg/L	0.002725	21.35%
K 766.490†	35.9	0.02988 mg/L		0.007432	0.02988 mg/L	0.007432	24.87%
Mg 279.077†	5.8	0.00720 mg/L		0.004221	0.00720 mg/L	0.004221	58.60%
Mn 257.610†	2.0	0.00007 mg/L		0.000116	0.00007 mg/L	0.000116	177.35%
Mo 202.031†	1.0	0.00006 mg/L		0.000292	0.00006 mg/L	0.000292	488.43%
Na 589.592†	132.4	0.01770 mg/L		0.002913	0.01770 mg/L	0.002913	16.46%
Na 330.237†	11.3	0.6673 mg/L		0.81669	0.6673 mg/L	0.81669	122.39%
Ni 231.604†	-1.2	-0.00034 mg/L		0.000718	-0.00034 mg/L	0.000718	209.42%
Pb 220.353†	0.2	0.00005 mg/L		0.000674	0.00005 mg/L	0.000674	>999.9%
Sb 206.836†	-3.5	-0.00147 mg/L		0.001575	-0.00147 mg/L	0.001575	107.32%
Se 196.026†	-0.2	-0.00019 mg/L		0.005139	-0.00019 mg/L	0.005139	>999.9%
Si 288.158†	-7.8	-0.00667 mg/L		0.004026	-0.00667 mg/L	0.004026	60.35%
Sn 189.927†	-0.4	-0.00010 mg/L		0.000143	-0.00010 mg/L	0.000143	137.24%
Sr 421.552†	461.7	0.00093 mg/L		0.000049	0.00093 mg/L	0.000049	5.23%
Ti 334.903†	-11.7	-0.00083 mg/L		0.000942	-0.00083 mg/L	0.000942	114.11%
Tl 190.801†	1.7	0.00118 mg/L		0.000764	0.00118 mg/L	0.000764	64.95%
V 292.402†	19.3	0.00019 mg/L		0.000285	0.00019 mg/L	0.000285	148.06%
Zn 206.200†	3.6	0.00112 mg/L		0.000279	0.00112 mg/L	0.000279	24.87%

Sequence No.: 10

Autosampler Location: 306

Sample ID: BEJ0734-DUP1

Date Collected: 10/28/2016 11:42:25 AM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0734-DUP1

Analyte	Back Pressure	Flow
All	138.0 kPa	0.65 L/min

Mean Data: BEJ0734-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1803295.2	103.0	%	0.67			0.65%
ScR 361.383	199581.8	103.7	%	0.67			0.65%
Ag 328.068†	-71.0	-0.00055	mg/L	0.000250	-0.00055 mg/L	0.000250	45.74%
Al 308.215†	13.1	0.01398	mg/L	0.003095	0.01398 mg/L	0.003095	22.14%
As 188.979†	11.5	0.00739	mg/L	0.002506	0.00739 mg/L	0.002506	33.93%
B 249.677†	109.4	0.02116	mg/L	0.001109	0.02116 mg/L	0.001109	5.24%
Ba 233.527†	23.8	0.00402	mg/L	0.000241	0.00402 mg/L	0.000241	6.01%
Be 313.042†	15.8	0.00005	mg/L	0.000072	0.00005 mg/L	0.000072	151.56%
Ca 317.933†	241553.1	34.51	mg/L	0.133	34.51 mg/L	0.133	0.39%
Cd 228.802†	-4.0	-0.00029	mg/L	0.000153	-0.00029 mg/L	0.000153	53.36%
Co 228.616†	10.5	0.00041	mg/L	0.000126	0.00041 mg/L	0.000126	30.74%
Cr 267.716†	31.9	0.00432	mg/L	0.000974	0.00432 mg/L	0.000974	22.52%
Cu 324.752†	74.0	0.00039	mg/L	0.000065	0.00039 mg/L	0.000065	16.92%
Fe 273.955†	9.3	0.01198	mg/L	0.005645	0.01198 mg/L	0.005645	47.11%
K 766.490†	1733.7	1.442	mg/L	0.0111	1.442 mg/L	0.0111	0.77%
Mg 279.077†	12647.5	15.83	mg/L	0.073	15.83 mg/L	0.073	0.46%
Mn 257.610†	38.1	0.00115	mg/L	0.000057	0.00115 mg/L	0.000057	4.99%
Mo 202.031†	54.2	0.00298	mg/L	0.000170	0.00298 mg/L	0.000170	5.71%
Na 589.592†	71257.4	9.523	mg/L	0.0290	9.523 mg/L	0.0290	0.30%
Na 330.237†	173.1	10.27	mg/L	0.470	10.27 mg/L	0.470	4.58%
Ni 231.604†	9.7	0.00272	mg/L	0.001200	0.00272 mg/L	0.001200	44.14%
Pb 220.353†	-0.7	-0.00009	mg/L	0.001273	-0.00009 mg/L	0.001273	>999.9%
Sb 206.836†	-0.7	-0.00058	mg/L	0.001971	-0.00058 mg/L	0.001971	338.23%
Se 196.026†	9.8	0.01059	mg/L	0.004318	0.01059 mg/L	0.004318	40.78%
Si 288.158†	13209.4	11.25	mg/L	0.044	11.25 mg/L	0.044	0.39%
Sn 189.927†	-65.4	-0.01472	mg/L	0.001185	-0.01472 mg/L	0.001185	8.05%
Sr 421.552†	71974.4	0.1450	mg/L	0.00010	0.1450 mg/L	0.00010	0.07%
Ti 334.903†	27.3	-0.00058	mg/L	0.001209	-0.00058 mg/L	0.001209	208.11%
Tl 190.801†	6.2	0.00248	mg/L	0.003110	0.00248 mg/L	0.003110	125.55%
V 292.402†	237.8	0.00237	mg/L	0.000112	0.00237 mg/L	0.000112	4.74%
Zn 206.200†	-4.0	0.00096	mg/L	0.000439	0.00096 mg/L	0.000439	45.50%

Sequence No.: 11
 Sample ID: 16J0366-02

Autosampler Location: 307
 Date Collected: 10/28/2016 11:46:39 AM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0366-02

Analyte Back Pressure Flow
 All 137.0 kPa 0.65 L/min

Mean Data: 16J0366-02

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1804901.8	103.1 %	0.86			0.84%
ScR 361.383	199116.2	103.4 %	0.58			0.56%
Ag 328.068†	-23.8	-0.00018 mg/L	0.000075	-0.00018 mg/L	0.000075	41.08%
Al 308.215†	22.6	0.02419 mg/L	0.007220	0.02419 mg/L	0.007220	29.85%
As 188.979†	10.6	0.00661 mg/L	0.002206	0.00661 mg/L	0.002206	33.36%
B 249.677†	104.0	0.02011 mg/L	0.001906	0.02011 mg/L	0.001906	9.48%
Ba 233.527†	25.4	0.00429 mg/L	0.000972	0.00429 mg/L	0.000972	22.68%
Be 313.042†	-10.4	-0.00003 mg/L	0.000012	-0.00003 mg/L	0.000012	38.43%
Ca 317.933†	241572.3	34.51 mg/L	0.155	34.51 mg/L	0.155	0.45%
Cd 228.802†	-4.7	-0.00032 mg/L	0.000218	-0.00032 mg/L	0.000218	67.59%
Co 228.616†	11.5	0.00045 mg/L	0.000295	0.00045 mg/L	0.000295	65.19%
Cr 267.716†	28.6	0.00378 mg/L	0.000745	0.00378 mg/L	0.000745	19.70%
Cu 324.752†	74.8	0.00039 mg/L	0.000201	0.00039 mg/L	0.000201	51.02%
Fe 273.955†	8.5	0.01098 mg/L	0.001581	0.01098 mg/L	0.001581	14.40%
K 766.490†	1713.4	1.425 mg/L	0.0154	1.425 mg/L	0.0154	1.08%
Mg 279.077†	12438.7	15.57 mg/L	0.045	15.57 mg/L	0.045	0.29%
Mn 257.610†	33.5	0.00100 mg/L	0.000213	0.00100 mg/L	0.000213	21.33%
Mo 202.031†	51.0	0.00278 mg/L	0.000350	0.00278 mg/L	0.000350	12.59%
Na 589.592†	71112.7	9.503 mg/L	0.0413	9.503 mg/L	0.0413	0.43%
Na 330.237†	168.0	9.965 mg/L	0.5745	9.965 mg/L	0.5745	5.76%
Ni 231.604†	12.8	0.00359 mg/L	0.000535	0.00359 mg/L	0.000535	14.89%
Pb 220.353†	-5.9	-0.00088 mg/L	0.000358	-0.00088 mg/L	0.000358	40.79%
Sb 206.836†	0.4	-0.00010 mg/L	0.002078	-0.00010 mg/L	0.002078	>999.9%
Se 196.026†	10.3	0.01113 mg/L	0.002515	0.01113 mg/L	0.002515	22.59%
Si 288.158†	13123.2	11.18 mg/L	0.018	11.18 mg/L	0.018	0.16%
Sn 189.927†	-62.0	-0.01354 mg/L	0.001143	-0.01354 mg/L	0.001143	8.44%
Sr 421.552†	71700.1	0.1445 mg/L	0.00028	0.1445 mg/L	0.00028	0.19%
Ti 334.903†	25.0	-0.00074 mg/L	0.000849	-0.00074 mg/L	0.000849	114.43%
Tl 190.801†	11.3	0.00593 mg/L	0.001925	0.00593 mg/L	0.001925	32.47%
V 292.402†	236.9	0.00236 mg/L	0.000118	0.00236 mg/L	0.000118	5.03%
Zn 206.200†	-4.8	0.00068 mg/L	0.000902	0.00068 mg/L	0.000902	131.78%

Sequence No.: 12
 Sample ID: BEJ0734-MS1

Autosampler Location: 308
 Date Collected: 10/28/2016 11:50:38 AM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0734-MS1

Analyte Back Pressure Flow
 All 138.0 kPa 0.65 L/min

Mean Data: BEJ0734-MS1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1782004.0	101.8 %		0.60			0.59%
ScR 361.383	198543.6	103.1 %		0.77			0.74%
Ag 328.068†	54170.7	0.4182 mg/L		0.00907	0.4182 mg/L	0.00907	2.17%
Al 308.215†	2014.5	2.154 mg/L		0.0140	2.154 mg/L	0.0140	0.65%
As 188.979†	2651.3	2.159 mg/L		0.0016	2.159 mg/L	0.0016	0.08%
B 249.677†	105.3	0.01898 mg/L		0.000500	0.01898 mg/L	0.000500	2.63%
Ba 233.527†	12123.8	2.044 mg/L		0.0232	2.044 mg/L	0.0232	1.13%
Be 313.042†	168953.9	0.5124 mg/L		0.00364	0.5124 mg/L	0.00364	0.71%
Ca 317.933†	313289.1	44.75 mg/L		0.325	44.75 mg/L	0.325	0.73%
Cd 228.802†	9322.6	0.5265 mg/L		0.00381	0.5265 mg/L	0.00381	0.72%
Co 228.616†	12870.6	0.5088 mg/L		0.00151	0.5088 mg/L	0.00151	0.30%
Cr 267.716†	2966.8	0.5114 mg/L		0.00411	0.5114 mg/L	0.00411	0.80%
Cu 324.752†	71085.6	0.4943 mg/L		0.00273	0.4943 mg/L	0.00273	0.55%
Fe 273.955†	1666.3	2.142 mg/L		0.0203	2.142 mg/L	0.0203	0.95%
K 766.490†	14785.9	12.30 mg/L		0.031	12.30 mg/L	0.031	0.25%
Mg 279.077†	21557.3	26.98 mg/L		0.250	26.98 mg/L	0.250	0.93%
Mn 257.610†	14845.7	0.4998 mg/L		0.00306	0.4998 mg/L	0.00306	0.61%
Mo 202.031†	62.4	0.00336 mg/L		0.000163	0.00336 mg/L	0.000163	4.85%
Na 589.592†	148229.6	19.81 mg/L		0.046	19.81 mg/L	0.046	0.23%
Na 330.237†	360.4	21.18 mg/L		0.322	21.18 mg/L	0.322	1.52%
Ni 231.604†	1800.2	0.5025 mg/L		0.00482	0.5025 mg/L	0.00482	0.96%
Pb 220.353†	13438.0	2.031 mg/L		0.0164	2.031 mg/L	0.0164	0.81%
Sb 206.836†	18.6	0.00138 mg/L		0.004253	0.00138 mg/L	0.004253	309.08%
Se 196.026†	2098.9	2.272 mg/L		0.0048	2.272 mg/L	0.0048	0.21%
Si 288.158†	13358.5	11.38 mg/L		0.084	11.38 mg/L	0.084	0.73%
Sn 189.927†	-77.6	-0.01654 mg/L		0.002049	-0.01654 mg/L	0.002049	12.39%
Sr 421.552†	323332.1	0.6515 mg/L		0.00192	0.6515 mg/L	0.00192	0.29%
Ti 334.903†	58.0	0.00069 mg/L		0.000121	0.00069 mg/L	0.000121	17.44%
Tl 190.801†	3074.9	2.096 mg/L		0.0085	2.096 mg/L	0.0085	0.40%
V 292.402†	52344.1	0.5179 mg/L		0.00328	0.5179 mg/L	0.00328	0.63%
Zn 206.200†	1615.1	0.5100 mg/L		0.00695	0.5100 mg/L	0.00695	1.36%

Sequence No.: 13
 Sample ID: BEJ0734-BS1

Autosampler Location: 309
 Date Collected: 10/28/2016 11:56:30 AM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0734-BS1

Analyte	Back Pressure	Flow
All	137.0 kPa	0.65 L/min

Mean Data: BEJ0734-BS1

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
ScA 357.253	1799535.6	102.8	%	0.86			0.83%
ScR 361.383	197907.0	102.8	%	0.34			0.33%
Ag 328.068†	73294.7	0.5657	mg/L	0.00364	0.5657	mg/L	0.64%
Al 308.215†	2127.3	2.275	mg/L	0.0076	2.275	mg/L	0.33%
As 188.979†	2594.0	2.115	mg/L	0.0108	2.115	mg/L	0.51%
B 249.677†	92.5	0.01649	mg/L	0.002536	0.01649	mg/L	15.38%
Ba 233.527†	11986.4	2.020	mg/L	0.0116	2.020	mg/L	0.57%
Be 313.042†	167017.4	0.5066	mg/L	0.00502	0.5066	mg/L	0.99%
Ca 317.933†	74002.4	10.57	mg/L	0.097	10.57	mg/L	0.92%
Cd 228.802†	9408.4	0.5318	mg/L	0.00145	0.5318	mg/L	0.27%
Co 228.616†	12938.2	0.5115	mg/L	0.00131	0.5115	mg/L	0.26%
Cr 267.716†	3019.8	0.5218	mg/L	0.00140	0.5218	mg/L	0.27%
Cu 324.752†	71816.2	0.4995	mg/L	0.00153	0.4995	mg/L	0.31%
Fe 273.955†	1685.7	2.166	mg/L	0.0091	2.166	mg/L	0.42%
K 766.490†	13097.4	10.90	mg/L	0.034	10.90	mg/L	0.31%
Mg 279.077†	8816.0	11.03	mg/L	0.059	11.03	mg/L	0.54%
Mn 257.610†	14369.2	0.4839	mg/L	0.00289	0.4839	mg/L	0.60%
Mo 202.031†	19.4	0.00109	mg/L	0.000079	0.00109	mg/L	7.19%
Na 589.592†	78097.0	10.44	mg/L	0.018	10.44	mg/L	0.18%
Na 330.237†	197.2	11.50	mg/L	0.254	11.50	mg/L	2.21%
Ni 231.604†	1866.1	0.5209	mg/L	0.00446	0.5209	mg/L	0.86%
Pb 220.353†	13720.9	2.073	mg/L	0.0023	2.073	mg/L	0.11%
Sb 206.836†	15.1	-0.00005	mg/L	0.003041	-0.00005	mg/L	>999.9%
Se 196.026†	2094.3	2.267	mg/L	0.0151	2.267	mg/L	0.67%
Si 288.158†	-5.8	-0.00181	mg/L	0.003866	-0.00181	mg/L	213.52%
Sn 189.927†	-28.0	-0.00719	mg/L	0.000295	-0.00719	mg/L	4.10%
Sr 421.552†	252901.4	0.5096	mg/L	0.00174	0.5096	mg/L	0.34%
Ti 334.903†	28.3	0.00108	mg/L	0.000556	0.00108	mg/L	51.24%
Tl 190.801†	3098.6	2.114	mg/L	0.0157	2.114	mg/L	0.74%
V 292.402†	52835.4	0.5228	mg/L	0.00139	0.5228	mg/L	0.27%
Zn 206.200†	1663.2	0.5228	mg/L	0.00304	0.5228	mg/L	0.58%

Sequence No.: 14
 Sample ID: BEJ0840-DUP2

Autosampler Location: 310
 Date Collected: 10/28/2016 12:00:29 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0840-DUP2

Analyte Back Pressure Flow
 All 138.0 kPa 0.65 L/min

Mean Data: BEJ0840-DUP2

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1801679.6	102.9	%	0.98			0.95%
ScR 361.383	195957.0	101.8	%	0.42			0.41%
Ag 328.068†	273.6	0.00212	mg/L	0.000332	0.00212 mg/L	0.000332	15.67%
Al 308.215†	116.7	0.1248	mg/L	0.00516	0.1248 mg/L	0.00516	4.13%
As 188.979†	5.0	0.00403	mg/L	0.002923	0.00403 mg/L	0.002923	72.56%
B 249.677†	207.1	0.04006	mg/L	0.001508	0.04006 mg/L	0.001508	3.76%
Ba 233.527†	9.2	0.00154	mg/L	0.000444	0.00154 mg/L	0.000444	28.87%
Be 313.042†	37.3	0.00011	mg/L	0.000039	0.00011 mg/L	0.000039	37.04%
Ca 317.933†	2316.4	0.3309	mg/L	0.00299	0.3309 mg/L	0.00299	0.90%
Cd 228.802†	0.2	-0.00002	mg/L	0.000273	-0.00002 mg/L	0.000273	>999.9%
Co 228.616†	4.4	0.00018	mg/L	0.000024	0.00018 mg/L	0.000024	13.63%
Cr 267.716†	6.6	0.00114	mg/L	0.001348	0.00114 mg/L	0.001348	118.16%
Cu 324.752†	134.4	0.00087	mg/L	0.000084	0.00087 mg/L	0.000084	9.64%
Fe 273.955†	4.2	0.00507	mg/L	0.003112	0.00507 mg/L	0.003112	61.32%
K 766.490†	1441.2	1.199	mg/L	0.0072	1.199 mg/L	0.0072	0.60%
Mg 279.077†	13.5	0.01694	mg/L	0.004326	0.01694 mg/L	0.004326	25.54%
Mn 257.610†	6.9	0.00023	mg/L	0.000118	0.00023 mg/L	0.000118	50.91%
Mo 202.031†	32.9	0.00211	mg/L	0.000149	0.00211 mg/L	0.000149	7.07%
Na 589.592†	914228.5	122.2	mg/L	0.39	122.2 mg/L	0.39	0.32%
Na 330.237†	2140.7	126.9	mg/L	0.49	126.9 mg/L	0.49	0.39%
Ni 231.604†	-1.3	-0.00035	mg/L	0.000135	-0.00035 mg/L	0.000135	38.13%
Pb 220.353†	3.9	0.00062	mg/L	0.000456	0.00062 mg/L	0.000456	73.66%
Sb 206.836†	-5.7	-0.00225	mg/L	0.002507	-0.00225 mg/L	0.002507	111.37%
Se 196.026†	5.9	0.00639	mg/L	0.005518	0.00639 mg/L	0.005518	86.37%
Si 288.158†	29223.6	24.89	mg/L	0.078	24.89 mg/L	0.078	0.31%
Sn 189.927†	-3.7	-0.00121	mg/L	0.001067	-0.00121 mg/L	0.001067	88.12%
Sr 421.552†	769.0	0.00155	mg/L	0.000072	0.00155 mg/L	0.000072	4.65%
Ti 334.903†	-2.0	-0.00017	mg/L	0.001425	-0.00017 mg/L	0.001425	851.21%
Tl 190.801†	0.2	0.00004	mg/L	0.000585	0.00004 mg/L	0.000585	>999.9%
V 292.402†	3057.2	0.03012	mg/L	0.000176	0.03012 mg/L	0.000176	0.59%
Zn 206.200†	-15.9	-0.00011	mg/L	0.000148	-0.00011 mg/L	0.000148	133.78%

Sequence No.: 15

Autosampler Location: 311

Sample ID: 16J0438-02

Date Collected: 10/28/2016 12:04:43 PM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0438-02

Analyte	Back Pressure	Flow
All	140.0 kPa	0.65 L/min

Mean Data: 16J0438-02

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
ScA 357.253	1823983.9	104.2	%	1.17			1.12%
ScR 361.383	196868.7	102.3	%	0.68			0.67%
Ag 328.068†	249.2	0.00193	mg/L	0.000274	0.00193	mg/L	0.000274 14.18%
Al 308.215†	124.1	0.1327	mg/L	0.00395	0.1327	mg/L	0.00395 2.97%
As 188.979†	4.3	0.00351	mg/L	0.003187	0.00351	mg/L	0.003187 90.89%
B 249.677†	204.5	0.03957	mg/L	0.000970	0.03957	mg/L	0.000970 2.45%
Ba 233.527†	5.0	0.00084	mg/L	0.000599	0.00084	mg/L	0.000599 71.05%
Be 313.042†	42.4	0.00012	mg/L	0.000045	0.00012	mg/L	0.000045 36.65%
Ca 317.933†	2303.9	0.3291	mg/L	0.00347	0.3291	mg/L	0.00347 1.05%
Cd 228.802†	-0.6	-0.00006	mg/L	0.000233	-0.00006	mg/L	0.000233 393.75%
Co 228.616†	-0.4	-0.00002	mg/L	0.000127	-0.00002	mg/L	0.000127 777.46%
Cr 267.716†	-1.0	-0.00018	mg/L	0.001387	-0.00018	mg/L	0.001387 783.79%
Cu 324.752†	115.8	0.00074	mg/L	0.000059	0.00074	mg/L	0.000059 7.89%
Fe 273.955†	6.1	0.00751	mg/L	0.002546	0.00751	mg/L	0.002546 33.89%
K 766.490†	1408.7	1.172	mg/L	0.0236	1.172	mg/L	0.0236 2.02%
Mg 279.077†	19.0	0.02374	mg/L	0.002224	0.02374	mg/L	0.002224 9.37%
Mn 257.610†	6.3	0.00021	mg/L	0.000051	0.00021	mg/L	0.000051 23.77%
Mo 202.031†	31.3	0.00201	mg/L	0.000084	0.00201	mg/L	0.000084 4.16%
Na 589.592†	917432.9	122.6	mg/L	1.16	122.6	mg/L	1.16 0.95%
Na 330.237†	2144.7	127.2	mg/L	2.02	127.2	mg/L	2.02 1.59%
Ni 231.604†	-2.0	-0.00055	mg/L	0.001652	-0.00055	mg/L	0.001652 299.97%
Pb 220.353†	5.4	0.00085	mg/L	0.001176	0.00085	mg/L	0.001176 138.28%
Sb 206.836†	-9.5	-0.00381	mg/L	0.001139	-0.00381	mg/L	0.001139 29.86%
Se 196.026†	4.6	0.00499	mg/L	0.001022	0.00499	mg/L	0.001022 20.47%
Si 288.158†	29164.3	24.84	mg/L	0.162	24.84	mg/L	0.162 0.65%
Sn 189.927†	-0.8	-0.00019	mg/L	0.000534	-0.00019	mg/L	0.000534 279.71%
Sr 421.552†	786.0	0.00158	mg/L	0.000005	0.00158	mg/L	0.000005 0.29%
Ti 334.903†	16.1	0.00109	mg/L	0.001270	0.00109	mg/L	0.001270 116.24%
Tl 190.801†	-2.8	-0.00205	mg/L	0.003104	-0.00205	mg/L	0.003104 151.56%
V 292.402†	3045.0	0.02999	mg/L	0.000470	0.02999	mg/L	0.000470 1.57%
Zn 206.200†	-12.7	0.00089	mg/L	0.000291	0.00089	mg/L	0.000291 32.57%

Sequence No.: 16
 Sample ID: BEJ0840-MS2

Autosampler Location: 312
 Date Collected: 10/28/2016 12:08:57 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0840-MS2

Analyte Back Pressure Flow
 All 142.0 kPa 0.65 L/min

Mean Data: BEJ0840-MS2

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1845982.6	105.5 %		0.40			0.38%
ScR 361.383	197628.9	102.7 %		0.58			0.57%
Ag 328.068†	264.4	0.00205 mg/L		0.000424	0.00205 mg/L	0.000424	20.68%
Al 308.215†	122.1	0.1306 mg/L		0.00177	0.1306 mg/L	0.00177	1.36%
As 188.979†	4.8	0.00394 mg/L		0.001501	0.00394 mg/L	0.001501	38.06%
B 249.677†	214.3	0.04146 mg/L		0.001645	0.04146 mg/L	0.001645	3.97%
Ba 233.527†	4.3	0.00071 mg/L		0.000321	0.00071 mg/L	0.000321	45.20%
Be 313.042†	24.0	0.00007 mg/L		0.000089	0.00007 mg/L	0.000089	135.98%
Ca 317.933†	2354.4	0.3363 mg/L		0.00103	0.3363 mg/L	0.00103	0.31%
Cd 228.802†	2.3	0.00010 mg/L		0.000184	0.00010 mg/L	0.000184	177.32%
Co 228.616†	5.3	0.00021 mg/L		0.000181	0.00021 mg/L	0.000181	87.36%
Cr 267.716†	5.1	0.00087 mg/L		0.001598	0.00087 mg/L	0.001598	184.30%
Cu 324.752†	98.9	0.00062 mg/L		0.000156	0.00062 mg/L	0.000156	24.98%
Fe 273.955†	2.9	0.00336 mg/L		0.002187	0.00336 mg/L	0.002187	65.01%
K 766.490†	1437.1	1.196 mg/L		0.0086	1.196 mg/L	0.0086	0.72%
Mg 279.077†	18.3	0.02296 mg/L		0.015443	0.02296 mg/L	0.015443	67.27%
Mn 257.610†	6.1	0.00020 mg/L		0.000252	0.00020 mg/L	0.000252	123.77%
Mo 202.031†	29.1	0.00187 mg/L		0.000384	0.00187 mg/L	0.000384	20.52%
Na 589.592†	909730.8	121.6 mg/L		0.34	121.6 mg/L	0.34	0.28%
Na 330.237†	2142.8	127.1 mg/L		0.27	127.1 mg/L	0.27	0.21%
Ni 231.604†	-4.2	-0.00116 mg/L		0.001500	-0.00116 mg/L	0.001500	128.97%
Pb 220.353†	-7.1	-0.00105 mg/L		0.001690	-0.00105 mg/L	0.001690	161.68%
Sb 206.836†	-4.5	-0.00176 mg/L		0.001083	-0.00176 mg/L	0.001083	61.44%
Se 196.026†	9.1	0.00986 mg/L		0.007408	0.00986 mg/L	0.007408	75.17%
Si 288.158†	41844.8	35.64 mg/L		0.103	35.64 mg/L	0.103	0.29%
Sn 189.927†	-4.2	-0.00138 mg/L		0.000906	-0.00138 mg/L	0.000906	65.78%
Sr 421.552†	780.0	0.00157 mg/L		0.000042	0.00157 mg/L	0.000042	2.64%
Ti 334.903†	12.7	0.00086 mg/L		0.001294	0.00086 mg/L	0.001294	150.91%
Tl 190.801†	3.0	0.00195 mg/L		0.000968	0.00195 mg/L	0.000968	49.70%
V 292.402†	3022.5	0.02978 mg/L		0.000237	0.02978 mg/L	0.000237	0.79%
Zn 206.200†	-23.5	-0.00037 mg/L		0.000206	-0.00037 mg/L	0.000206	55.23%

Sequence No.: 17
 Sample ID: BEJ0840-BS2

Autosampler Location: 313
 Date Collected: 10/28/2016 12:14:14 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0840-BS2

Analyte Back Pressure Flow
 All 142.0 kPa 0.65 L/min

Mean Data: BEJ0840-BS2

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1857941.4	106.1 %		0.65			0.61%
ScR 361.383	205284.9	106.6 %		0.61			0.57%
Ag 328.068†	2306.1	0.01780 mg/L		0.005141	0.01780 mg/L	0.005141	28.89%
Al 308.215†	16.1	0.01726 mg/L		0.007266	0.01726 mg/L	0.007266	42.09%
As 188.979†	2.4	0.00190 mg/L		0.001825	0.00190 mg/L	0.001825	96.22%
B 249.677†	5.4	0.00105 mg/L		0.000281	0.00105 mg/L	0.000281	26.66%
Ba 233.527†	0.4	0.00006 mg/L		0.000816	0.00006 mg/L	0.000816	>999.9%
Be 313.042†	1.8	0.00001 mg/L		0.000037	0.00001 mg/L	0.000037	689.42%
Ca 317.933†	170.1	0.02429 mg/L		0.000555	0.02429 mg/L	0.000555	2.28%
Cd 228.802†	6.1	0.00034 mg/L		0.000080	0.00034 mg/L	0.000080	23.71%
Co 228.616†	9.1	0.00036 mg/L		0.000078	0.00036 mg/L	0.000078	21.54%
Cr 267.716†	4.3	0.00075 mg/L		0.000361	0.00075 mg/L	0.000361	48.02%
Cu 324.752†	36.6	0.00026 mg/L		0.000040	0.00026 mg/L	0.000040	15.73%
Fe 273.955†	5.8	0.00742 mg/L		0.003377	0.00742 mg/L	0.003377	45.54%
K 766.490†	39.1	0.03255 mg/L		0.016466	0.03255 mg/L	0.016466	50.59%
Mg 279.077†	-0.8	-0.00100 mg/L		0.005188	-0.00100 mg/L	0.005188	519.48%
Mn 257.610†	8.2	0.00027 mg/L		0.000211	0.00027 mg/L	0.000211	76.78%
Mo 202.031†	-4.8	-0.00031 mg/L		0.000116	-0.00031 mg/L	0.000116	37.81%
Na 589.592†	249.4	0.03333 mg/L		0.003296	0.03333 mg/L	0.003296	9.89%
Na 330.237†	7.8	0.4624 mg/L		0.13701	0.4624 mg/L	0.13701	29.63%
Ni 231.604†	-2.8	-0.00080 mg/L		0.000697	-0.00080 mg/L	0.000697	87.41%
Pb 220.353†	3.2	0.00049 mg/L		0.001511	0.00049 mg/L	0.001511	310.40%
Sb 206.836†	-4.0	-0.00169 mg/L		0.000719	-0.00169 mg/L	0.000719	42.60%
Se 196.026†	2.7	0.00292 mg/L		0.000973	0.00292 mg/L	0.000973	33.35%
Si 288.158†	11077.9	9.437 mg/L		0.0329	9.437 mg/L	0.0329	0.35%
Sn 189.927†	-5.1	-0.00175 mg/L		0.000498	-0.00175 mg/L	0.000498	28.46%
Sr 421.552†	28.8	0.00006 mg/L		0.000033	0.00006 mg/L	0.000033	57.52%
Ti 334.903†	-24.8	-0.00173 mg/L		0.000898	-0.00173 mg/L	0.000898	51.98%
Tl 190.801†	2.4	0.00161 mg/L		0.001438	0.00161 mg/L	0.001438	89.13%
V 292.402†	0.1	0.00000 mg/L		0.000114	0.00000 mg/L	0.000114	>999.9%
Zn 206.200†	-4.7	0.00039 mg/L		0.000164	0.00039 mg/L	0.000164	42.15%

Sequence No.: 18
Sample ID: SEQ-CCV2

Autosampler Location: 7
Date Collected: 10/28/2016 12:20:55 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-CCV2

Analyte	Back Pressure	Flow
All	141.0 kPa	0.65 L/min

Mean Data: SEQ-CCV2

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1816788.7	103.8	%	0.40			0.39%
ScR 361.383	198505.1	103.1	%	1.33			1.29%
Ag 328.068†	134653.0	1.039	mg/L	0.0071	1.039 mg/L	0.0071	0.69%
Al 308.215†	2005.7	2.119	mg/L	0.0253	2.119 mg/L	0.0253	1.19%
As 188.979†	2483.8	2.052	mg/L	0.0097	2.052 mg/L	0.0097	0.47%
B 249.677†	5293.3	1.022	mg/L	0.0123	1.022 mg/L	0.0123	1.20%
Ba 233.527†	6153.3	1.037	mg/L	0.0118	1.037 mg/L	0.0118	1.14%
Be 313.042†	337605.1	1.024	mg/L	0.0033	1.024 mg/L	0.0033	0.32%
Ca 317.933†	15379.4	2.197	mg/L	0.0268	2.197 mg/L	0.0268	1.22%
Cd 228.802†	17621.7	1.008	mg/L	0.0043	1.008 mg/L	0.0043	0.42%
Co 228.616†	25366.4	1.001	mg/L	0.0052	1.001 mg/L	0.0052	0.52%
Cr 267.716†	6017.0	1.042	mg/L	0.0111	1.042 mg/L	0.0111	1.06%
Cu 324.752†	142041.5	0.9873	mg/L	0.00582	0.9873 mg/L	0.00582	0.59%
Fe 273.955†	1661.1	2.131	mg/L	0.0213	2.131 mg/L	0.0213	1.00%
K 766.490†	25647.8	21.34	mg/L	0.029	21.34 mg/L	0.029	0.13%
Mg 279.077†	1724.8	2.166	mg/L	0.0320	2.166 mg/L	0.0320	1.48%
Mn 257.610†	28803.1	0.9695	mg/L	0.00454	0.9695 mg/L	0.00454	0.47%
Mo 202.031†	15075.2	0.9706	mg/L	0.00350	0.9706 mg/L	0.00350	0.36%
Na 589.592†	379751.0	50.75	mg/L	0.136	50.75 mg/L	0.136	0.27%
Na 330.237†	925.0	54.70	mg/L	0.414	54.70 mg/L	0.414	0.76%
Ni 231.604†	3741.4	1.047	mg/L	0.0085	1.047 mg/L	0.0085	0.81%
Pb 220.353†	13227.7	1.999	mg/L	0.0029	1.999 mg/L	0.0029	0.14%
Sb 206.836†	5109.8	2.117	mg/L	0.0050	2.117 mg/L	0.0050	0.24%
Se 196.026†	1913.4	2.070	mg/L	0.0112	2.070 mg/L	0.0112	0.54%
Si 288.158†	2503.3	2.130	mg/L	0.0257	2.130 mg/L	0.0257	1.21%
Sn 189.927†	2917.6	1.009	mg/L	0.0034	1.009 mg/L	0.0034	0.34%
Sr 421.552†	506437.3	1.021	mg/L	0.0043	1.021 mg/L	0.0043	0.42%
Ti 334.903†	14559.0	1.012	mg/L	0.0045	1.012 mg/L	0.0045	0.44%
Tl 190.801†	2984.4	2.033	mg/L	0.0085	2.033 mg/L	0.0085	0.42%
V 292.402†	102145.8	1.011	mg/L	0.0065	1.011 mg/L	0.0065	0.65%
Zn 206.200†	3365.8	1.058	mg/L	0.0137	1.058 mg/L	0.0137	1.29%

Sequence No.: 19
 Sample ID: SEQ-CCB2

Autosampler Location: 1
 Date Collected: 10/28/2016 12:25:59 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-CCB2

Analyte Back Pressure Flow
 All 141.0 kPa 0.65 L/min

Mean Data: SEQ-CCB2

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1812118.6	103.5	%	0.54				0.52%
ScR 361.383	201487.4	104.7	%	0.56				0.54%
Ag 328.068†	32.2	0.00025	mg/L	0.000111	0.00025	mg/L	0.000111	44.63%
Al 308.215†	0.6	0.00068	mg/L	0.002544	0.00068	mg/L	0.002544	372.77%
As 188.979†	3.1	0.00251	mg/L	0.002249	0.00251	mg/L	0.002249	89.67%
B 249.677†	7.7	0.00150	mg/L	0.000822	0.00150	mg/L	0.000822	54.92%
Ba 233.527†	3.2	0.00053	mg/L	0.000537	0.00053	mg/L	0.000537	100.97%
Be 313.042†	21.1	0.00006	mg/L	0.000014	0.00006	mg/L	0.000014	22.28%
Ca 317.933†	11.2	0.00160	mg/L	0.001191	0.00160	mg/L	0.001191	74.61%
Cd 228.802†	2.7	0.00014	mg/L	0.000419	0.00014	mg/L	0.000419	301.06%
Co 228.616†	2.6	0.00010	mg/L	0.000223	0.00010	mg/L	0.000223	217.51%
Cr 267.716†	-1.5	-0.00026	mg/L	0.000233	-0.00026	mg/L	0.000233	88.76%
Cu 324.752†	13.6	0.00009	mg/L	0.000114	0.00009	mg/L	0.000114	121.09%
Fe 273.955†	0.9	0.00118	mg/L	0.001266	0.00118	mg/L	0.001266	107.08%
K 766.490†	53.7	0.04470	mg/L	0.021992	0.04470	mg/L	0.021992	49.20%
Mg 279.077†	0.9	0.00109	mg/L	0.008054	0.00109	mg/L	0.008054	737.49%
Mn 257.610†	0.0	0.00000	mg/L	0.000112	0.00000	mg/L	0.000112	>999.9%
Mo 202.031†	7.3	0.00047	mg/L	0.000523	0.00047	mg/L	0.000523	111.04%
Na 589.592†	-69.4	-0.00928	mg/L	0.002771	-0.00928	mg/L	0.002771	29.87%
Na 330.237†	7.0	0.4170	mg/L	0.14344	0.4170	mg/L	0.14344	34.40%
Ni 231.604†	1.2	0.00034	mg/L	0.000587	0.00034	mg/L	0.000587	172.57%
Pb 220.353†	6.0	0.00090	mg/L	0.000686	0.00090	mg/L	0.000686	76.22%
Sb 206.836†	2.5	0.00104	mg/L	0.001537	0.00104	mg/L	0.001537	147.18%
Se 196.026†	1.9	0.00210	mg/L	0.002756	0.00210	mg/L	0.002756	131.42%
Si 288.158†	-0.7	-0.00059	mg/L	0.004446	-0.00059	mg/L	0.004446	758.47%
Sn 189.927†	-1.5	-0.00050	mg/L	0.000849	-0.00050	mg/L	0.000849	168.76%
Sr 421.552†	-8.5	-0.00002	mg/L	0.000091	-0.00002	mg/L	0.000091	534.42%
Ti 334.903†	-0.2	-0.00001	mg/L	0.000836	-0.00001	mg/L	0.000836	>999.9%
Tl 190.801†	-1.7	-0.00115	mg/L	0.003767	-0.00115	mg/L	0.003767	328.29%
V 292.402†	-17.8	-0.00018	mg/L	0.000156	-0.00018	mg/L	0.000156	88.91%
Zn 206.200†	1.3	0.00040	mg/L	0.000627	0.00040	mg/L	0.000627	155.12%

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Analysis Begun

Start Time: 10/28/2016 12:33:40 PM Plasma On Time: 10/28/2016 9:23:58 AM
Logged In Analyst: metinst Technique: ICP Continuous
Spectrometer: Optima 7300 DV, S/N 077C8121202 Autosampler: ESI

Sample Information File: C:\pe\metals\Sample Information\1028.sif
Batch ID:
Results Data Set: I2161028
Results Library: C:\Documents and Settings\All Users\PerkinElmer\ICP\Data\Results\Results.mdb

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Sequence No.: 1 Autosampler Location: 7
Sample ID: SEQ-CCV3 Date Collected: 10/28/2016 12:33:41 PM
Dilution: 1.000000X Data Type: Original

Nebulizer Parameters: SEQ-CCV3
Analyte Back Pressure Flow
All 141.0 kPa 0.65 L/min

Mean Data: SEQ-CCV3

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1810785.4	103.4 %	1.01			0.98%
ScR 361.383	198439.8	103.1 %	0.81			0.79%
Ag 328.068†	134658.5	1.039 mg/L	0.0113	1.039 mg/L	0.0113	1.09%
Al 308.215†	2003.8	2.117 mg/L	0.0165	2.117 mg/L	0.0165	0.78%
As 188.979†	2496.7	2.063 mg/L	0.0187	2.063 mg/L	0.0187	0.91%
B 249.677†	5294.7	1.022 mg/L	0.0028	1.022 mg/L	0.0028	0.27%
Ba 233.527†	6143.4	1.035 mg/L	0.0036	1.035 mg/L	0.0036	0.34%
Be 313.042†	337356.0	1.023 mg/L	0.0008	1.023 mg/L	0.0008	0.08%
Ca 317.933†	15470.0	2.161 mg/L	0.0083	2.161 mg/L	0.0083	0.38%
Cd 228.802†	17787.9	1.018 mg/L	0.0129	1.018 mg/L	0.0129	1.27%
Co 228.616†	25433.9	1.004 mg/L	0.0104	1.004 mg/L	0.0104	1.03%
Cr 267.716†	6021.9	1.043 mg/L	0.0032	1.043 mg/L	0.0032	0.31%
Cu 324.752†	143143.1	0.9950 mg/L	0.01050	0.9950 mg/L	0.01050	1.05%
Fe 273.955†	1678.0	2.131 mg/L	0.0099	2.131 mg/L	0.0099	0.47%
K 766.490†	25817.6	21.22 mg/L	0.039	21.22 mg/L	0.039	0.18%
Mg 279.077†	1730.3	2.132 mg/L	0.0168	2.132 mg/L	0.0168	0.79%
Mn 257.610†	28742.4	0.9675 mg/L	0.00044	0.9675 mg/L	0.00044	0.05%
Mo 202.031†	15223.6	0.9801 mg/L	0.01230	0.9801 mg/L	0.01230	1.25%
Na 589.592†	380435.2	50.84 mg/L	0.104	50.84 mg/L	0.104	0.20%
Na 330.237†	923.9	54.74 mg/L	0.313	54.74 mg/L	0.313	0.57%
Ni 231.604†	3738.4	1.046 mg/L	0.0034	1.046 mg/L	0.0034	0.32%
Pb 220.353†	13310.3	2.012 mg/L	0.0236	2.012 mg/L	0.0236	1.17%
Sb 206.836†	5123.7	2.122 mg/L	0.0182	2.122 mg/L	0.0182	0.86%
Se 196.026†	1925.5	2.083 mg/L	0.0110	2.083 mg/L	0.0110	0.53%
Si 288.158†	2498.0	2.125 mg/L	0.0148	2.125 mg/L	0.0148	0.70%
Sn 189.927†	2936.0	1.016 mg/L	0.0089	1.016 mg/L	0.0089	0.88%
Sr 421.552†	506172.8	1.020 mg/L	0.0011	1.020 mg/L	0.0011	0.11%
Ti 334.903†	14507.2	1.008 mg/L	0.0004	1.008 mg/L	0.0004	0.04%
Tl 190.801†	2978.7	2.029 mg/L	0.0165	2.029 mg/L	0.0165	0.81%
V 292.402†	103017.4	1.019 mg/L	0.0115	1.019 mg/L	0.0115	1.13%
Zn 206.200†	3354.5	1.055 mg/L	0.0042	1.055 mg/L	0.0042	0.40%

Sequence No.: 2
Sample ID: SEQ-CCB3
Dilution: 1.000000X

Autosampler Location: 1
Date Collected: 10/28/2016 12:37:42 PM
Data Type: Original

Nebulizer Parameters: SEQ-CCB3

Analyte Back Pressure Flow
All 142.0 kPa 0.65 L/min

Mean Data: SEQ-CCB3

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Lists various elements like ScA, ScR, Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, V, Zn with their respective intensity and concentration values.

Sequence No.: 3

Autosampler Location: 314

Sample ID: BEJ0759-BLK1

Date Collected: 10/28/2016 12:41:42 PM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0759-BLK1

Analyte Back Pressure Flow
 All 141.0 kPa 0.65 L/min

Mean Data: BEJ0759-BLK1

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
ScA 357.253	1861514.5	106.3	%	0.75			0.70%
ScR 361.383	204839.5	106.4	%	0.73			0.69%
Ag 328.068†	11.0	0.00008	mg/L	0.000426	0.00008	mg/L	0.000426 501.07%
Al 308.215†	0.3	0.00037	mg/L	0.006329	0.00037	mg/L	0.006329 >999.9%
As 188.979†	3.3	0.00270	mg/L	0.002376	0.00270	mg/L	0.002376 87.86%
B 249.677†	-5.8	-0.00111	mg/L	0.000737	-0.00111	mg/L	0.000737 66.16%
Ba 233.527†	6.5	0.00110	mg/L	0.000308	0.00110	mg/L	0.000308 28.03%
Be 313.042†	-28.6	-0.00009	mg/L	0.000030	-0.00009	mg/L	0.000030 35.01%
Ca 317.933†	21.9	0.00306	mg/L	0.001188	0.00306	mg/L	0.001188 38.83%
Cd 228.802†	0.3	-0.00000	mg/L	0.000150	-0.00000	mg/L	0.000150 >999.9%
Co 228.616†	8.5	0.00034	mg/L	0.000130	0.00034	mg/L	0.000130 38.48%
Cr 267.716†	-1.1	-0.00019	mg/L	0.000608	-0.00019	mg/L	0.000608 326.76%
Cu 324.752†	-19.3	-0.00013	mg/L	0.000048	-0.00013	mg/L	0.000048 35.73%
Fe 273.955†	4.7	0.00598	mg/L	0.000881	0.00598	mg/L	0.000881 14.72%
K 766.490†	52.5	0.04315	mg/L	0.008808	0.04315	mg/L	0.008808 20.41%
Mg 279.077†	5.6	0.00684	mg/L	0.002592	0.00684	mg/L	0.002592 37.90%
Mn 257.610†	2.1	0.00007	mg/L	0.000108	0.00007	mg/L	0.000108 151.50%
Mo 202.031†	-4.9	-0.00032	mg/L	0.000207	-0.00032	mg/L	0.000207 65.48%
Na 589.592†	-23.5	-0.00315	mg/L	0.005010	-0.00315	mg/L	0.005010 159.23%
Na 330.237†	7.5	0.4438	mg/L	0.65907	0.4438	mg/L	0.65907 148.52%
Ni 231.604†	-1.2	-0.00034	mg/L	0.000557	-0.00034	mg/L	0.000557 162.94%
Pb 220.353†	2.5	0.00037	mg/L	0.000472	0.00037	mg/L	0.000472 126.19%
Sb 206.836†	-4.7	-0.00195	mg/L	0.002774	-0.00195	mg/L	0.002774 141.99%
Se 196.026†	3.0	0.00324	mg/L	0.005322	0.00324	mg/L	0.005322 164.47%
Si 288.158†	-9.8	-0.00836	mg/L	0.003703	-0.00836	mg/L	0.003703 44.29%
Sn 189.927†	1.6	0.00057	mg/L	0.001069	0.00057	mg/L	0.001069 188.67%
Sr 421.552†	-40.7	-0.00008	mg/L	0.000049	-0.00008	mg/L	0.000049 59.19%
Ti 334.903†	-9.2	-0.00064	mg/L	0.001397	-0.00064	mg/L	0.001397 218.95%
Tl 190.801†	-1.5	-0.00100	mg/L	0.000971	-0.00100	mg/L	0.000971 97.31%
V 292.402†	-5.7	-0.00006	mg/L	0.000254	-0.00006	mg/L	0.000254 443.47%
Zn 206.200†	0.3	0.00011	mg/L	0.000165	0.00011	mg/L	0.000165 153.28%

Sequence No.: 4
 Sample ID: 16J0378-07

Autosampler Location: 315
 Date Collected: 10/28/2016 12:45:42 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0378-07

Analyte Back Pressure Flow
 All 142.0 kPa 0.65 L/min

Mean Data: 16J0378-07

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1817937.4	103.9 %		0.27			0.26%
ScR 361.383	199689.0	103.7 %		1.10			1.06%
Ag 328.068†	3.1	0.00002 mg/L		0.000025	0.00002 mg/L	0.000025	101.43%
Al 308.215†	15.0	0.01599 mg/L		0.005489	0.01599 mg/L	0.005489	34.33%
As 188.979†	15.2	0.00988 mg/L		0.001745	0.00988 mg/L	0.001745	17.67%
B 249.677†	951.3	0.1840 mg/L		0.00194	0.1840 mg/L	0.00194	1.05%
Ba 233.527†	1049.8	0.1767 mg/L		0.00095	0.1767 mg/L	0.00095	0.54%
Be 313.042†	27.5	0.00008 mg/L		0.000089	0.00008 mg/L	0.000089	107.67%
Ca 317.933†	311824.7	43.56 mg/L		0.319	43.56 mg/L	0.319	0.73%
Cd 228.802†	-3.9	-0.00032 mg/L		0.000165	-0.00032 mg/L	0.000165	51.27%
Co 228.616†	35.3	0.00137 mg/L		0.000163	0.00137 mg/L	0.000163	11.88%
Cr 267.716†	10.0	-0.00003 mg/L		0.001565	-0.00003 mg/L	0.001565	>999.9%
Cu 324.752†	187.9	0.00109 mg/L		0.000117	0.00109 mg/L	0.000117	10.78%
Fe 273.955†	1845.9	2.353 mg/L		0.0254	2.353 mg/L	0.0254	1.08%
K 766.490†	15522.0	12.76 mg/L		0.119	12.76 mg/L	0.119	0.94%
Mg 279.077†	20309.7	24.93 mg/L		0.260	24.93 mg/L	0.260	1.04%
Mn 257.610†	8060.6	0.2710 mg/L		0.00315	0.2710 mg/L	0.00315	1.16%
Mo 202.031†	69.2	0.00382 mg/L		0.000100	0.00382 mg/L	0.000100	2.61%
Na 589.592†	1237274.2	165.3 mg/L		0.83	165.3 mg/L	0.83	0.50%
Na 330.237†	2903.6	172.5 mg/L		0.97	172.5 mg/L	0.97	0.56%
Ni 231.604†	9.8	0.00274 mg/L		0.001179	0.00274 mg/L	0.001179	43.01%
Pb 220.353†	-4.6	-0.00069 mg/L		0.000975	-0.00069 mg/L	0.000975	142.24%
Sb 206.836†	2.6	0.00084 mg/L		0.002005	0.00084 mg/L	0.002005	239.94%
Se 196.026†	10.6	0.01148 mg/L		0.005413	0.01148 mg/L	0.005413	47.16%
Si 288.158†	15558.2	13.26 mg/L		0.140	13.26 mg/L	0.140	1.05%
Sn 189.927†	-73.3	-0.01539 mg/L		0.001020	-0.01539 mg/L	0.001020	6.63%
Sr 421.552†	190226.7	0.3833 mg/L		0.00156	0.3833 mg/L	0.00156	0.41%
Ti 334.903†	60.8	0.00110 mg/L		0.000711	0.00110 mg/L	0.000711	64.80%
Tl 190.801†	9.5	0.00455 mg/L		0.002082	0.00455 mg/L	0.002082	45.77%
V 292.402†	114.2	0.00109 mg/L		0.000147	0.00109 mg/L	0.000147	13.57%
Zn 206.200†	4.6	0.00406 mg/L		0.000163	0.00406 mg/L	0.000163	4.02%

Sequence No.: 5
Sample ID: 16J0378-09

Autosampler Location: 316
Date Collected: 10/28/2016 12:49:56 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0378-09

Analyte Back Pressure Flow
All 143.0 kPa 0.65 L/min

Mean Data: 16J0378-09

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1774991.0	101.4	%	0.83			0.82%
ScR 361.383	202405.5	105.1	%	0.54			0.51%
Ag 328.068†	-191.2	-0.00148	mg/L	0.000446	-0.00148	0.000446	30.23%
Al 308.215†	6.1	0.00639	mg/L	0.005191	0.00639	0.005191	81.19%
As 188.979†	35.6	0.01820	mg/L	0.004101	0.01820	0.004101	22.53%
B 249.677†	1443.8	0.2793	mg/L	0.00158	0.2793	0.00158	0.57%
Ba 233.527†	493.9	0.08326	mg/L	0.001095	0.08326	0.001095	1.31%
Be 313.042†	95.4	0.00029	mg/L	0.000028	0.00029	0.000028	9.64%
Ca 317.933†	1360428.1	190.0	mg/L	1.74	190.0	1.74	0.92%
Cd 228.802†	8.1	0.00033	mg/L	0.000271	0.00033	0.000271	80.91%
Co 228.616†	26.1	0.00099	mg/L	0.000140	0.00099	0.000140	14.15%
Cr 267.716†	16.8	-0.00046	mg/L	0.000980	-0.00046	0.000980	211.63%
Cu 324.752†	490.4	0.00285	mg/L	0.000131	0.00285	0.000131	4.60%
Fe 273.955†	18.1	0.02300	mg/L	0.004000	0.02300	0.004000	17.39%
K 766.490†	22368.9	18.38	mg/L	0.042	18.38	0.042	0.23%
Mg 279.077†	36117.9	44.34	mg/L	0.071	44.34	0.071	0.16%
Mn 257.610†	740.6	0.02455	mg/L	0.000130	0.02455	0.000130	0.53%
Mo 202.031†	129.2	0.00552	mg/L	0.000087	0.00552	0.000087	1.58%
Na 589.592†	1951496.3	260.8	mg/L	2.55	260.8	2.55	0.98%
Na 330.237†	4695.9	278.9	mg/L	0.96	278.9	0.96	0.34%
Ni 231.604†	166.2	0.04648	mg/L	0.000349	0.04648	0.000349	0.75%
Pb 220.353†	-14.0	-0.00211	mg/L	0.000202	-0.00211	0.000202	9.58%
Sb 206.836†	26.2	0.01040	mg/L	0.002089	0.01040	0.002089	20.09%
Se 196.026†	26.0	0.02819	mg/L	0.009509	0.02819	0.009509	33.73%
Si 288.158†	13413.3	11.43	mg/L	0.041	11.43	0.041	0.35%
Sn 189.927†	-140.5	-0.00526	mg/L	0.001293	-0.00526	0.001293	24.56%
Sr 421.552†	496082.7	0.9996	mg/L	0.00842	0.9996	0.00842	0.84%
Ti 334.903†	222.8	0.00184	mg/L	0.000552	0.00184	0.000552	29.98%
Tl 190.801†	22.1	0.00536	mg/L	0.001618	0.00536	0.001618	30.20%
V 292.402†	174.8	0.00173	mg/L	0.000179	0.00173	0.000179	10.35%
Zn 206.200†	827.4	0.2623	mg/L	0.00148	0.2623	0.00148	0.56%

Sequence No.: 6
 Sample ID: 16J0378-10

Autosampler Location: 317
 Date Collected: 10/28/2016 12:54:12 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0378-10

Analyte Back Pressure Flow
 All 143.0 kPa 0.65 L/min

Mean Data: 16J0378-10

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1781456.9	101.8	%	0.49			0.48%
ScR 361.383	204253.1	106.1	%	1.39			1.31%
Ag 328.068†	-152.0	-0.00117	mg/L	0.000435	-0.00117 mg/L	0.000435	37.11%
Al 308.215†	5.2	0.00532	mg/L	0.006622	0.00532 mg/L	0.006622	124.59%
As 188.979†	36.3	0.01782	mg/L	0.001949	0.01782 mg/L	0.001949	10.94%
B 249.677†	1199.9	0.2321	mg/L	0.00130	0.2321 mg/L	0.00130	0.56%
Ba 233.527†	775.5	0.1307	mg/L	0.00082	0.1307 mg/L	0.00082	0.63%
Be 313.042†	74.7	0.00023	mg/L	0.000066	0.00023 mg/L	0.000066	29.14%
Ca 317.933†	1468009.7	205.1	mg/L	4.54	205.1 mg/L	4.54	2.22%
Cd 228.802†	-7.9	-0.00063	mg/L	0.000106	-0.00063 mg/L	0.000106	16.90%
Co 228.616†	192.1	0.00755	mg/L	0.000145	0.00755 mg/L	0.000145	1.92%
Cr 267.716†	19.4	-0.00157	mg/L	0.000913	-0.00157 mg/L	0.000913	58.02%
Cu 324.752†	500.2	0.00280	mg/L	0.000056	0.00280 mg/L	0.000056	1.99%
Fe 273.955†	575.3	0.7333	mg/L	0.00690	0.7333 mg/L	0.00690	0.94%
K 766.490†	22525.5	18.51	mg/L	0.052	18.51 mg/L	0.052	0.28%
Mg 279.077†	53303.9	65.44	mg/L	0.268	65.44 mg/L	0.268	0.41%
Mn 257.610†	9894.4	0.3323	mg/L	0.00190	0.3323 mg/L	0.00190	0.57%
Mo 202.031†	187.7	0.00907	mg/L	0.000174	0.00907 mg/L	0.000174	1.92%
Na 589.592†	1988899.4	265.8	mg/L	3.83	265.8 mg/L	3.83	1.44%
Na 330.237†	4647.2	276.1	mg/L	1.89	276.1 mg/L	1.89	0.69%
Ni 231.604†	79.3	0.02219	mg/L	0.000687	0.02219 mg/L	0.000687	3.10%
Pb 220.353†	-8.4	-0.00126	mg/L	0.000088	-0.00126 mg/L	0.000088	6.96%
Sb 206.836†	21.4	0.00842	mg/L	0.001680	0.00842 mg/L	0.001680	19.95%
Se 196.026†	22.0	0.02380	mg/L	0.003052	0.02380 mg/L	0.003052	12.83%
Si 288.158†	15969.4	13.61	mg/L	0.047	13.61 mg/L	0.047	0.35%
Sn 189.927†	-135.4	-0.00010	mg/L	0.001749	-0.00010 mg/L	0.001749	>999.9%
Sr 421.552†	576930.4	1.163	mg/L	0.0182	1.163 mg/L	0.0182	1.56%
Ti 334.903†	235.0	0.00161	mg/L	0.000156	0.00161 mg/L	0.000156	9.73%
Tl 190.801†	23.2	0.00538	mg/L	0.003345	0.00538 mg/L	0.003345	62.21%
V 292.402†	252.0	0.00252	mg/L	0.000143	0.00252 mg/L	0.000143	5.68%
Zn 206.200†	20.1	0.00900	mg/L	0.000771	0.00900 mg/L	0.000771	8.57%

Sequence No.: 7

Autosampler Location: 318

Sample ID: 16J0378-11

Date Collected: 10/28/2016 12:58:28 PM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0378-11

Analyte	Back Pressure	Flow
All	144.0 kPa	0.65 L/min

Mean Data: 16J0378-11

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1815243.9	103.7	%	0.15				0.14%
ScR 361.383	198564.2	103.2	%	0.75				0.72%
Ag 328.068†	-198.5	-0.00153	mg/L	0.000089	-0.00153	mg/L	0.000089	5.80%
Al 308.215†	-0.8	-0.00127	mg/L	0.006498	-0.00127	mg/L	0.006498	510.94%
As 188.979†	76.7	0.04822	mg/L	0.000748	0.04822	mg/L	0.000748	1.55%
B 249.677†	2831.3	0.5476	mg/L	0.00472	0.5476	mg/L	0.00472	0.86%
Ba 233.527†	1080.7	0.1822	mg/L	0.00136	0.1822	mg/L	0.00136	0.75%
Be 313.042†	72.4	0.00022	mg/L	0.000059	0.00022	mg/L	0.000059	27.02%
Ca 317.933†	1790127.3	250.1	mg/L	1.96	250.1	mg/L	1.96	0.79%
Cd 228.802†	7.6	0.00006	mg/L	0.000176	0.00006	mg/L	0.000176	317.28%
Co 228.616†	28.8	0.00109	mg/L	0.000096	0.00109	mg/L	0.000096	8.84%
Cr 267.716†	19.1	-0.00094	mg/L	0.000741	-0.00094	mg/L	0.000741	78.46%
Cu 324.752†	1283.3	0.00835	mg/L	0.000171	0.00835	mg/L	0.000171	2.05%
Fe 273.955†	57.8	0.07368	mg/L	0.001420	0.07368	mg/L	0.001420	1.93%
K 766.490†	27047.5	22.23	mg/L	0.182	22.23	mg/L	0.182	0.82%
Mg 279.077†	45690.3	56.09	mg/L	0.535	56.09	mg/L	0.535	0.95%
Mn 257.610†	1999.6	0.06680	mg/L	0.000131	0.06680	mg/L	0.000131	0.20%
Mo 202.031†	223.9	0.01074	mg/L	0.000577	0.01074	mg/L	0.000577	5.38%
Na 589.592†	388228.1	51.88	mg/L	0.157	51.88	mg/L	0.157	0.30%
Na 330.237†	940.6	55.89	mg/L	0.534	55.89	mg/L	0.534	0.96%
Ni 231.604†	11.8	0.00329	mg/L	0.000891	0.00329	mg/L	0.000891	27.06%
Pb 220.353†	-12.0	-0.00183	mg/L	0.001055	-0.00183	mg/L	0.001055	57.82%
Sb 206.836†	23.5	0.00929	mg/L	0.002061	0.00929	mg/L	0.002061	22.17%
Se 196.026†	27.6	0.02993	mg/L	0.007292	0.02993	mg/L	0.007292	24.37%
Si 288.158†	20942.9	17.85	mg/L	0.146	17.85	mg/L	0.146	0.82%
Sn 189.927†	-141.5	0.00806	mg/L	0.001190	0.00806	mg/L	0.001190	14.77%
Sr 421.552†	1010274.8	2.036	mg/L	0.0072	2.036	mg/L	0.0072	0.36%
Ti 334.903†	280.9	0.00157	mg/L	0.000622	0.00157	mg/L	0.000622	39.67%
Tl 190.801†	28.0	0.00632	mg/L	0.002632	0.00632	mg/L	0.002632	41.67%
V 292.402†	629.7	0.00622	mg/L	0.000140	0.00622	mg/L	0.000140	2.25%
Zn 206.200†	10.3	0.00673	mg/L	0.000687	0.00673	mg/L	0.000687	10.20%

Sequence No.: 8
 Sample ID: 16J0378-12

Autosampler Location: 319
 Date Collected: 10/28/2016 1:02:43 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0378-12

Analyte Back Pressure Flow
 All 143.0 kPa 0.65 L/min

Mean Data: 16J0378-12

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Conc. Units	Sample Std.Dev.	RSD
ScA 357.253	1784181.6	101.9	%	0.13			0.12%
ScR 361.383	199813.8	103.8	%	0.89			0.86%
Ag 328.068†	-67.6	-0.00052	mg/L	0.000409	-0.00052	0.000409	78.41%
Al 308.215†	8.7	0.00927	mg/L	0.000991	0.00927	0.000991	10.69%
As 188.979†	45.3	0.03306	mg/L	0.002236	0.03306	0.002236	6.76%
B 249.677†	1724.5	0.3335	mg/L	0.00254	0.3335	0.00254	0.76%
Ba 233.527†	976.7	0.1646	mg/L	0.00108	0.1646	0.00108	0.66%
Be 313.042†	50.2	0.00015	mg/L	0.000021	0.00015	0.000021	13.80%
Ca 317.933†	483583.7	67.56	mg/L	0.132	67.56	0.132	0.19%
Cd 228.802†	2.4	-0.00005	mg/L	0.000232	-0.00005	0.000232	429.07%
Co 228.616†	111.2	0.00437	mg/L	0.000086	0.00437	0.000086	1.96%
Cr 267.716†	14.4	0.00013	mg/L	0.000479	0.00013	0.000479	357.58%
Cu 324.752†	628.1	0.00381	mg/L	0.000035	0.00381	0.000035	0.93%
Fe 273.955†	364.7	0.4649	mg/L	0.00535	0.4649	0.00535	1.15%
K 766.490†	23723.3	19.50	mg/L	0.110	19.50	0.110	0.56%
Mg 279.077†	25516.8	31.33	mg/L	0.249	31.33	0.249	0.79%
Mn 257.610†	8302.1	0.2790	mg/L	0.00277	0.2790	0.00277	0.99%
Mo 202.031†	91.7	0.00491	mg/L	0.000261	0.00491	0.000261	5.31%
Na 589.592†	3745326.7	500.5	mg/L	3.19	500.5	3.19	0.64%
Na 330.237†	8979.5	533.5	mg/L	4.35	533.5	4.35	0.81%
Ni 231.604†	155.3	0.04343	mg/L	0.001463	0.04343	0.001463	3.37%
Pb 220.353†	-3.1	-0.00047	mg/L	0.001332	-0.00047	0.001332	285.37%
Sb 206.836†	11.4	0.00441	mg/L	0.002933	0.00441	0.002933	66.53%
Se 196.026†	15.8	0.01715	mg/L	0.005252	0.01715	0.005252	30.63%
Si 288.158†	12275.0	10.46	mg/L	0.094	10.46	0.094	0.90%
Sn 189.927†	-97.6	-0.01833	mg/L	0.000975	-0.01833	0.000975	5.32%
Sr 421.552†	269360.6	0.5428	mg/L	0.00049	0.5428	0.00049	0.09%
Ti 334.903†	80.2	0.00072	mg/L	0.000891	0.00072	0.000891	123.11%
Tl 190.801†	15.8	0.00740	mg/L	0.001286	0.00740	0.001286	17.37%
V 292.402†	81.2	0.00084	mg/L	0.000129	0.00084	0.000129	15.46%
Zn 206.200†	61.0	0.02122	mg/L	0.000324	0.02122	0.000324	1.53%

Sequence No.: 9

Autosampler Location: 320

Sample ID: BEJ0759-DUP1

Date Collected: 10/28/2016 1:07:15 PM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0759-DUP1

Analyte	Back Pressure	Flow
All	145.0 kPa	0.65 L/min

Mean Data: BEJ0759-DUP1

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1790192.6	102.3	%	0.46				0.45%
ScR 361.383	203427.0	105.7	%	1.07				1.02%
Ag 328.068†	-43.2	-0.00033	mg/L	0.000180	-0.00033	mg/L	0.000180	54.05%
Al 308.215†	20.0	0.02133	mg/L	0.006104	0.02133	mg/L	0.006104	28.61%
As 188.979†	41.0	0.02957	mg/L	0.002906	0.02957	mg/L	0.002906	9.83%
B 249.677†	1701.4	0.3291	mg/L	0.00260	0.3291	mg/L	0.00260	0.79%
Ba 233.527†	954.3	0.1608	mg/L	0.00205	0.1608	mg/L	0.00205	1.27%
Be 313.042†	37.6	0.00011	mg/L	0.000090	0.00011	mg/L	0.000090	78.83%
Ca 317.933†	478936.1	66.91	mg/L	0.331	66.91	mg/L	0.331	0.49%
Cd 228.802†	2.7	-0.00002	mg/L	0.000115	-0.00002	mg/L	0.000115	705.84%
Co 228.616†	107.9	0.00424	mg/L	0.000029	0.00424	mg/L	0.000029	0.68%
Cr 267.716†	11.9	-0.00026	mg/L	0.000108	-0.00026	mg/L	0.000108	41.82%
Cu 324.752†	678.8	0.00417	mg/L	0.000161	0.00417	mg/L	0.000161	3.86%
Fe 273.955†	342.0	0.4359	mg/L	0.00513	0.4359	mg/L	0.00513	1.18%
K 766.490†	23441.5	19.26	mg/L	0.068	19.26	mg/L	0.068	0.35%
Mg 279.077†	25063.7	30.77	mg/L	0.296	30.77	mg/L	0.296	0.96%
Mn 257.610†	8073.6	0.2713	mg/L	0.00237	0.2713	mg/L	0.00237	0.87%
Mo 202.031†	88.0	0.00468	mg/L	0.000297	0.00468	mg/L	0.000297	6.34%
Na 589.592†	3676035.7	491.3	mg/L	3.70	491.3	mg/L	3.70	0.75%
Na 330.237†	8826.9	524.4	mg/L	3.57	524.4	mg/L	3.57	0.68%
Ni 231.604†	154.4	0.04319	mg/L	0.001168	0.04319	mg/L	0.001168	2.70%
Pb 220.353†	-3.2	-0.00049	mg/L	0.002035	-0.00049	mg/L	0.002035	419.00%
Sb 206.836†	14.0	0.00546	mg/L	0.001715	0.00546	mg/L	0.001715	31.39%
Se 196.026†	13.5	0.01462	mg/L	0.001106	0.01462	mg/L	0.001106	7.56%
Si 288.158†	12104.9	10.32	mg/L	0.095	10.32	mg/L	0.095	0.92%
Sn 189.927†	-96.3	-0.01801	mg/L	0.000990	-0.01801	mg/L	0.000990	5.50%
Sr 421.552†	263646.7	0.5313	mg/L	0.00116	0.5313	mg/L	0.00116	0.22%
Ti 334.903†	73.7	0.00032	mg/L	0.001194	0.00032	mg/L	0.001194	377.75%
Tl 190.801†	15.8	0.00744	mg/L	0.002520	0.00744	mg/L	0.002520	33.89%
V 292.402†	82.0	0.00084	mg/L	0.000182	0.00084	mg/L	0.000182	21.57%
Zn 206.200†	58.6	0.02044	mg/L	0.000563	0.02044	mg/L	0.000563	2.75%

Sequence No.: 10
 Sample ID: 16J0378-08

Autosampler Location: 321
 Date Collected: 10/28/2016 1:11:47 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0378-08

Analyte Back Pressure Flow
 All 147.0 kPa 0.65 L/min

Mean Data: 16J0378-08

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1793234.1	102.4	%	0.72				0.70%
ScR 361.383	204885.9	106.4	%	0.38				0.36%
Ag 328.068†	-74.5	-0.00057	mg/L	0.000149	-0.00057	mg/L	0.000149	25.93%
Al 308.215†	20.4	0.02180	mg/L	0.003275	0.02180	mg/L	0.003275	15.02%
As 188.979†	44.7	0.03256	mg/L	0.001442	0.03256	mg/L	0.001442	4.43%
B 249.677†	1679.0	0.3248	mg/L	0.00338	0.3248	mg/L	0.00338	1.04%
Ba 233.527†	961.3	0.1620	mg/L	0.00043	0.1620	mg/L	0.00043	0.27%
Be 313.042†	13.2	0.00004	mg/L	0.000076	0.00004	mg/L	0.000076	191.76%
Ca 317.933†	479906.7	67.04	mg/L	0.398	67.04	mg/L	0.398	0.59%
Cd 228.802†	7.8	0.00026	mg/L	0.000045	0.00026	mg/L	0.000045	17.17%
Co 228.616†	107.6	0.00423	mg/L	0.000306	0.00423	mg/L	0.000306	7.24%
Cr 267.716†	14.1	0.00014	mg/L	0.000375	0.00014	mg/L	0.000375	259.33%
Cu 324.752†	643.4	0.00392	mg/L	0.000092	0.00392	mg/L	0.000092	2.33%
Fe 273.955†	339.9	0.4333	mg/L	0.00938	0.4333	mg/L	0.00938	2.16%
K 766.490†	23359.8	19.20	mg/L	0.005	19.20	mg/L	0.005	0.03%
Mg 279.077†	24963.5	30.65	mg/L	0.162	30.65	mg/L	0.162	0.53%
Mn 257.610†	8068.1	0.2712	mg/L	0.00175	0.2712	mg/L	0.00175	0.65%
Mo 202.031†	92.2	0.00495	mg/L	0.000058	0.00495	mg/L	0.000058	1.17%
Na 589.592†	3655622.4	488.5	mg/L	1.64	488.5	mg/L	1.64	0.34%
Na 330.237†	8794.3	522.5	mg/L	2.09	522.5	mg/L	2.09	0.40%
Ni 231.604†	153.8	0.04302	mg/L	0.001009	0.04302	mg/L	0.001009	2.35%
Pb 220.353†	-4.8	-0.00072	mg/L	0.000635	-0.00072	mg/L	0.000635	88.62%
Sb 206.836†	9.8	0.00373	mg/L	0.001301	0.00373	mg/L	0.001301	34.83%
Se 196.026†	16.4	0.01779	mg/L	0.002824	0.01779	mg/L	0.002824	15.88%
Si 288.158†	12018.7	10.24	mg/L	0.025	10.24	mg/L	0.025	0.25%
Sn 189.927†	-93.0	-0.01686	mg/L	0.000616	-0.01686	mg/L	0.000616	3.65%
Sr 421.552†	263560.5	0.5311	mg/L	0.00131	0.5311	mg/L	0.00131	0.25%
Ti 334.903†	72.0	0.00019	mg/L	0.000661	0.00019	mg/L	0.000661	355.28%
Tl 190.801†	10.1	0.00348	mg/L	0.003566	0.00348	mg/L	0.003566	102.45%
V 292.402†	79.9	0.00082	mg/L	0.000057	0.00082	mg/L	0.000057	6.97%
Zn 206.200†	62.3	0.02158	mg/L	0.000788	0.02158	mg/L	0.000788	3.65%

Sequence No.: 11
 Sample ID: BEJ0759-MS1

Autosampler Location: 322
 Date Collected: 10/28/2016 1:16:19 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0759-MS1

Analyte	Back Pressure	Flow
All	147.0 kPa	0.65 L/min

Mean Data: BEJ0759-MS1

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1810449.6	103.4 %	0.10			0.10%
ScR 361.383	203149.7	105.5 %	0.83			0.79%
Ag 328.068†	59031.1	0.4557 mg/L	0.00301	0.4557 mg/L	0.00301	0.66%
Al 308.215†	1976.4	2.114 mg/L	0.0057	2.114 mg/L	0.0057	0.27%
As 188.979†	2779.6	2.262 mg/L	0.0055	2.262 mg/L	0.0055	0.24%
B 249.677†	1712.4	0.3298 mg/L	0.00268	0.3298 mg/L	0.00268	0.81%
Ba 233.527†	12913.7	2.177 mg/L	0.0129	2.177 mg/L	0.0129	0.59%
Be 313.042†	168162.0	0.5100 mg/L	0.00129	0.5100 mg/L	0.00129	0.25%
Ca 317.933†	546534.4	76.35 mg/L	0.038	76.35 mg/L	0.038	0.05%
Cd 228.802†	9126.9	0.5146 mg/L	0.00299	0.5146 mg/L	0.00299	0.58%
Co 228.616†	12736.9	0.5035 mg/L	0.00072	0.5035 mg/L	0.00072	0.14%
Cr 267.716†	2967.0	0.5104 mg/L	0.00319	0.5104 mg/L	0.00319	0.62%
Cu 324.752†	71192.8	0.4946 mg/L	0.00290	0.4946 mg/L	0.00290	0.59%
Fe 273.955†	2006.7	2.554 mg/L	0.0117	2.554 mg/L	0.0117	0.46%
K 766.490†	36376.2	29.89 mg/L	0.090	29.89 mg/L	0.090	0.30%
Mg 279.077†	33867.8	41.58 mg/L	0.213	41.58 mg/L	0.213	0.51%
Mn 257.610†	23075.3	0.7765 mg/L	0.00473	0.7765 mg/L	0.00473	0.61%
Mo 202.031†	90.7	0.00472 mg/L	0.000285	0.00472 mg/L	0.000285	6.04%
Na 589.592†	3713208.8	496.2 mg/L	3.46	496.2 mg/L	3.46	0.70%
Na 330.237†	9013.7	535.3 mg/L	2.03	535.3 mg/L	2.03	0.38%
Ni 231.604†	1966.1	0.5490 mg/L	0.00257	0.5490 mg/L	0.00257	0.47%
Pb 220.353†	12854.1	1.942 mg/L	0.0107	1.942 mg/L	0.0107	0.55%
Sb 206.836†	26.7	0.00461 mg/L	0.003722	0.00461 mg/L	0.003722	80.66%
Se 196.026†	2122.7	2.298 mg/L	0.0136	2.298 mg/L	0.0136	0.59%
Si 288.158†	12351.5	10.53 mg/L	0.042	10.53 mg/L	0.042	0.40%
Sn 189.927†	-99.8	-0.01702 mg/L	0.000426	-0.01702 mg/L	0.000426	2.50%
Sr 421.552†	511972.1	1.032 mg/L	0.0021	1.032 mg/L	0.0021	0.21%
Ti 334.903†	97.6	0.00118 mg/L	0.000869	0.00118 mg/L	0.000869	73.49%
Tl 190.801†	2801.8	1.908 mg/L	0.0016	1.908 mg/L	0.0016	0.09%
V 292.402†	51121.0	0.5059 mg/L	0.00353	0.5059 mg/L	0.00353	0.70%
Zn 206.200†	1737.4	0.5482 mg/L	0.00381	0.5482 mg/L	0.00381	0.69%

Sequence No.: 12
 Sample ID: BEJ0759-BS1

Autosampler Location: 323
 Date Collected: 10/28/2016 1:23:19 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0759-BS1

Analyte Back Pressure Flow
 All 146.0 kPa 0.65 L/min

Mean Data: BEJ0759-BS1

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1898955.2	108.5	%	0.57				0.53%
ScR 361.383	209364.4	108.8	%	0.81				0.75%
Ag 328.068†	72302.5	0.5581	mg/L	0.00710	0.5581	mg/L	0.00710	1.27%
Al 308.215†	2008.0	2.147	mg/L	0.0111	2.147	mg/L	0.0111	0.52%
As 188.979†	2690.1	2.193	mg/L	0.0099	2.193	mg/L	0.0099	0.45%
B 249.677†	2.9	-0.00087	mg/L	0.001307	-0.00087	mg/L	0.001307	150.78%
Ba 233.527†	12278.7	2.070	mg/L	0.0189	2.070	mg/L	0.0189	0.91%
Be 313.042†	173459.4	0.5261	mg/L	0.00488	0.5261	mg/L	0.00488	0.93%
Ca 317.933†	75146.0	10.50	mg/L	0.089	10.50	mg/L	0.089	0.84%
Cd 228.802†	9641.8	0.5448	mg/L	0.00473	0.5448	mg/L	0.00473	0.87%
Co 228.616†	13185.6	0.5213	mg/L	0.00804	0.5213	mg/L	0.00804	1.54%
Cr 267.716†	3011.0	0.5202	mg/L	0.00637	0.5202	mg/L	0.00637	1.22%
Cu 324.752†	71555.5	0.4977	mg/L	0.00519	0.4977	mg/L	0.00519	1.04%
Fe 273.955†	1692.5	2.153	mg/L	0.0252	2.153	mg/L	0.0252	1.17%
K 766.490†	13351.4	10.97	mg/L	0.030	10.97	mg/L	0.030	0.27%
Mg 279.077†	8871.9	10.89	mg/L	0.112	10.89	mg/L	0.112	1.03%
Mn 257.610†	15190.0	0.5116	mg/L	0.00515	0.5116	mg/L	0.00515	1.01%
Mo 202.031†	16.9	0.00094	mg/L	0.000303	0.00094	mg/L	0.000303	32.39%
Na 589.592†	79505.7	10.62	mg/L	0.075	10.62	mg/L	0.075	0.71%
Na 330.237†	195.1	11.39	mg/L	0.201	11.39	mg/L	0.201	1.76%
Ni 231.604†	1889.5	0.5274	mg/L	0.00573	0.5274	mg/L	0.00573	1.09%
Pb 220.353†	14079.9	2.128	mg/L	0.0297	2.128	mg/L	0.0297	1.40%
Sb 206.836†	11.5	-0.00150	mg/L	0.000897	-0.00150	mg/L	0.000897	59.78%
Se 196.026†	2230.7	2.415	mg/L	0.0150	2.415	mg/L	0.0150	0.62%
Si 288.158†	-14.1	-0.00884	mg/L	0.003552	-0.00884	mg/L	0.003552	40.18%
Sn 189.927†	-29.2	-0.00763	mg/L	0.001336	-0.00763	mg/L	0.001336	17.51%
Sr 421.552†	255180.9	0.5142	mg/L	0.00286	0.5142	mg/L	0.00286	0.56%
Ti 334.903†	10.7	-0.00013	mg/L	0.000385	-0.00013	mg/L	0.000385	291.12%
Tl 190.801†	3149.2	2.149	mg/L	0.0163	2.149	mg/L	0.0163	0.76%
V 292.402†	53144.6	0.5259	mg/L	0.00684	0.5259	mg/L	0.00684	1.30%
Zn 206.200†	1718.0	0.5400	mg/L	0.00759	0.5400	mg/L	0.00759	1.41%

Sequence No.: 13
Sample ID: SEQ-CCV4

Autosampler Location: 7
Date Collected: 10/28/2016 1:30:01 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-CCV4

Analyte Back Pressure Flow
All 146.0 kPa 0.65 L/min

Mean Data: SEQ-CCV4

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1861971.7	106.4	%	0.14			0.13%
ScR 361.383	204172.0	106.1	%	0.16			0.15%
Ag 328.068†	133494.6	1.030	mg/L	0.0065	1.030 mg/L	0.0065	0.63%
Al 308.215†	1987.0	2.099	mg/L	0.0046	2.099 mg/L	0.0046	0.22%
As 188.979†	2509.0	2.073	mg/L	0.0048	2.073 mg/L	0.0048	0.23%
B 249.677†	5269.8	1.018	mg/L	0.0012	1.018 mg/L	0.0012	0.12%
Ba 233.527†	6107.7	1.029	mg/L	0.0007	1.029 mg/L	0.0007	0.07%
Be 313.042†	343678.3	1.042	mg/L	0.0018	1.042 mg/L	0.0018	0.17%
Ca 317.933†	15527.6	2.169	mg/L	0.0034	2.169 mg/L	0.0034	0.15%
Cd 228.802†	17785.7	1.017	mg/L	0.0083	1.017 mg/L	0.0083	0.82%
Co 228.616†	25545.2	1.008	mg/L	0.0094	1.008 mg/L	0.0094	0.93%
Cr 267.716†	6031.7	1.044	mg/L	0.0009	1.044 mg/L	0.0009	0.09%
Cu 324.752†	142134.6	0.9880	mg/L	0.00821	0.9880 mg/L	0.00821	0.83%
Fe 273.955†	1682.9	2.137	mg/L	0.0086	2.137 mg/L	0.0086	0.40%
K 766.490†	25739.2	21.15	mg/L	0.151	21.15 mg/L	0.151	0.71%
Mg 279.077†	1729.4	2.131	mg/L	0.0063	2.131 mg/L	0.0063	0.30%
Mn 257.610†	29115.9	0.9801	mg/L	0.00271	0.9801 mg/L	0.00271	0.28%
Mo 202.031†	15190.1	0.9780	mg/L	0.00996	0.9780 mg/L	0.00996	1.02%
Na 589.592†	380249.5	50.82	mg/L	0.199	50.82 mg/L	0.199	0.39%
Na 330.237†	917.6	54.36	mg/L	0.283	54.36 mg/L	0.283	0.52%
Ni 231.604†	3747.3	1.048	mg/L	0.0012	1.048 mg/L	0.0012	0.11%
Pb 220.353†	13399.2	2.025	mg/L	0.0161	2.025 mg/L	0.0161	0.79%
Sb 206.836†	5110.0	2.117	mg/L	0.0018	2.117 mg/L	0.0018	0.09%
Se 196.026†	1941.4	2.101	mg/L	0.0033	2.101 mg/L	0.0033	0.16%
Si 288.158†	2498.7	2.126	mg/L	0.0032	2.126 mg/L	0.0032	0.15%
Sn 189.927†	2946.8	1.019	mg/L	0.0015	1.019 mg/L	0.0015	0.15%
Sr 421.552†	507705.5	1.023	mg/L	0.0027	1.023 mg/L	0.0027	0.27%
Ti 334.903†	14603.0	1.015	mg/L	0.0040	1.015 mg/L	0.0040	0.39%
Tl 190.801†	2977.9	2.029	mg/L	0.0006	2.029 mg/L	0.0006	0.03%
V 292.402†	102465.0	1.014	mg/L	0.0070	1.014 mg/L	0.0070	0.69%
Zn 206.200†	3402.6	1.070	mg/L	0.0030	1.070 mg/L	0.0030	0.28%

Sequence No.: 14
 Sample ID: SEQ-CCB4
 Dilution: 1.000000X

Autosampler Location: 1
 Date Collected: 10/28/2016 1:36:45 PM
 Data Type: Original

Nebulizer Parameters: SEQ-CCB4

Analyte Back Pressure Flow
 All 146.0 kPa 0.65 L/min

Mean Data: SEQ-CCB4

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1827266.7	104.4 %	%	0.10			0.10%
ScR 361.383	201269.0	104.6 %	%	0.62			0.59%
Ag 328.068†	16.1	0.00012 mg/L	mg/L	0.000088	0.00012 mg/L	0.000088	70.66%
Al 308.215†	6.6	0.00704 mg/L	mg/L	0.003026	0.00704 mg/L	0.003026	43.01%
As 188.979†	0.8	0.00061 mg/L	mg/L	0.001642	0.00061 mg/L	0.001642	269.09%
B 249.677†	6.7	0.00130 mg/L	mg/L	0.001078	0.00130 mg/L	0.001078	83.08%
Ba 233.527†	2.7	0.00046 mg/L	mg/L	0.000459	0.00046 mg/L	0.000459	99.57%
Be 313.042†	-7.1	-0.00002 mg/L	mg/L	0.000019	-0.00002 mg/L	0.000019	88.08%
Ca 317.933†	11.4	0.00159 mg/L	mg/L	0.001519	0.00159 mg/L	0.001519	95.60%
Cd 228.802†	-2.9	-0.00017 mg/L	mg/L	0.000255	-0.00017 mg/L	0.000255	149.32%
Co 228.616†	3.9	0.00015 mg/L	mg/L	0.000108	0.00015 mg/L	0.000108	70.31%
Cr 267.716†	3.5	0.00060 mg/L	mg/L	0.001440	0.00060 mg/L	0.001440	239.90%
Cu 324.752†	-5.5	-0.00004 mg/L	mg/L	0.000139	-0.00004 mg/L	0.000139	357.48%
Fe 273.955†	1.4	0.00179 mg/L	mg/L	0.001716	0.00179 mg/L	0.001716	95.75%
K 766.490†	70.3	0.05778 mg/L	mg/L	0.009517	0.05778 mg/L	0.009517	16.47%
Mg 279.077†	-3.4	-0.00421 mg/L	mg/L	0.009878	-0.00421 mg/L	0.009878	234.55%
Mn 257.610†	-1.0	-0.00003 mg/L	mg/L	0.000115	-0.00003 mg/L	0.000115	342.26%
Mo 202.031†	9.9	0.00064 mg/L	mg/L	0.000216	0.00064 mg/L	0.000216	33.88%
Na 589.592†	336.9	0.04503 mg/L	mg/L	0.005871	0.04503 mg/L	0.005871	13.04%
Na 330.237†	11.6	0.6874 mg/L	mg/L	0.25665	0.6874 mg/L	0.25665	37.34%
Ni 231.604†	-1.8	-0.00051 mg/L	mg/L	0.000864	-0.00051 mg/L	0.000864	167.92%
Pb 220.353†	7.5	0.00114 mg/L	mg/L	0.000221	0.00114 mg/L	0.000221	19.45%
Sb 206.836†	-0.2	-0.00010 mg/L	mg/L	0.002165	-0.00010 mg/L	0.002165	>999.9%
Se 196.026†	0.7	0.00073 mg/L	mg/L	0.001540	0.00073 mg/L	0.001540	211.02%
Si 288.158†	-1.7	-0.00142 mg/L	mg/L	0.002864	-0.00142 mg/L	0.002864	202.06%
Sn 189.927†	-2.9	-0.00102 mg/L	mg/L	0.000781	-0.00102 mg/L	0.000781	76.80%
Sr 421.552†	-14.7	-0.00003 mg/L	mg/L	0.000061	-0.00003 mg/L	0.000061	205.93%
Ti 334.903†	-2.4	-0.00017 mg/L	mg/L	0.000410	-0.00017 mg/L	0.000410	245.19%
Tl 190.801†	-1.9	-0.00129 mg/L	mg/L	0.003025	-0.00129 mg/L	0.003025	234.94%
V 292.402†	-8.4	-0.00008 mg/L	mg/L	0.000142	-0.00008 mg/L	0.000142	178.82%
Zn 206.200†	-0.1	-0.00004 mg/L	mg/L	0.000356	-0.00004 mg/L	0.000356	861.62%

Sequence No.: 15
Sample ID: BEJ0643-BLK1

Autosampler Location: 324
Date Collected: 10/28/2016 1:40:45 PM
Data Type: Original

Dilution: 1.000000X

Pd
missal tube *10-28-16*

Nebulizer Parameters: BEJ0643-BLK1

Analyte Back Pressure Flow
All 148.0 kPa 0.65 L/min

Mean Data: BEJ0643-BLK1

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
ScA 357.253	3974630.6	227.1	%	29.73			13.10%
ScR 361.383	395045.1	205.2	%	9.90			4.83%
Ag 328.068†	52.2	0.00040	mg/L	0.000131	0.00040	mg/L	0.000131 32.51%
Al 308.215†	41.2	0.04423	mg/L	0.001826	0.04423	mg/L	0.001826 4.13%
As 188.979†	0.5	-0.00002	mg/L	0.001537	-0.00002	mg/L	0.001537 >999.9%
B 249.677†	-39.8	-0.00771	mg/L	0.000413	-0.00771	mg/L	0.000413 5.36%
Ba 233.527†	16.0	0.00268	mg/L	0.000434	0.00268	mg/L	0.000434 16.17%
Be 313.042†	-578.2	-0.00175	mg/L	0.000059	-0.00175	mg/L	0.000059 3.38%
Ca 317.933†	184.9	0.02582	mg/L	0.000819	0.02582	mg/L	0.000819 3.17%
Cd 228.802†	-45.6	-0.00263	mg/L	0.001497	-0.00263	mg/L	0.001497 56.83%
Co 228.616†	51.0	0.00204	mg/L	0.000249	0.00204	mg/L	0.000249 12.22%
Cr 267.716†	23.9	0.00414	mg/L	0.000276	0.00414	mg/L	0.000276 6.67%
Cu 324.752†	-485.0	-0.00337	mg/L	0.000186	-0.00337	mg/L	0.000186 5.52%
Fe 273.955†	60.4	0.07699	mg/L	0.001664	0.07699	mg/L	0.001664 2.16%
K 766.490†	-144.8	-0.1190	mg/L	0.01142	-0.1190	mg/L	0.01142 9.59%
Mg 279.077†	73.4	0.09010	mg/L	0.003410	0.09010	mg/L	0.003410 3.79%
Mn 257.610†	97.0	0.00326	mg/L	0.000057	0.00326	mg/L	0.000057 1.75%
Mo 202.031†	-26.4	-0.00170	mg/L	0.000185	-0.00170	mg/L	0.000185 10.86%
Na 589.592†	-116.0	-0.01550	mg/L	0.010037	-0.01550	mg/L	0.010037 64.75%
Na 330.237†	41.4	2.452	mg/L	0.1294	2.452	mg/L	0.1294 5.28%
Ni 231.604†	22.2	0.00619	mg/L	0.000643	0.00619	mg/L	0.000643 10.39%
Pb 220.353†	-6.6	-0.00098	mg/L	0.000570	-0.00098	mg/L	0.000570 58.17%
Sb 206.836†	-36.3	-0.01513	mg/L	0.002005	-0.01513	mg/L	0.002005 13.25%
Se 196.026†	11.5	0.01240	mg/L	0.002726	0.01240	mg/L	0.002726 21.98%
Si 288.158†	-36.7	-0.03114	mg/L	0.002757	-0.03114	mg/L	0.002757 8.85%
Sn 189.927†	4.7	0.00162	mg/L	0.000138	0.00162	mg/L	0.000138 8.52%
Sr 421.552†	-224.6	-0.00045	mg/L	0.000012	-0.00045	mg/L	0.000012 2.62%
Ti 334.903†	-191.9	-0.01336	mg/L	0.000608	-0.01336	mg/L	0.000608 4.56%
Tl 190.801†	24.8	0.01698	mg/L	0.001398	0.01698	mg/L	0.001398 8.24%
V 292.402†	-108.0	-0.00104	mg/L	0.000039	-0.00104	mg/L	0.000039 3.72%
Zn 206.200†	11.7	0.00368	mg/L	0.000573	0.00368	mg/L	0.000573 15.58%

Sequence No.: 16
 Sample ID: 16J0341-01

Autosampler Location: 325
 Date Collected: 10/28/2016 1:45:00 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-01

Analyte Back Pressure Flow
 All 145.0 kPa 0.65 L/min

Mean Data: 16J0341-01

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1789347.0	102.2 %	0.96			0.94%
ScR 361.383	205340.5	106.7 %	0.40			0.37%
Ag 328.068†	-84.3	-0.00063 mg/L	0.000253	-0.00063 mg/L	0.000253	39.89%
Al 308.215†	5078.9	5.450 mg/L	0.0093	5.450 mg/L	0.0093	0.17%
As 188.979†	16.6	0.01247 mg/L	0.004891	0.01247 mg/L	0.004891	39.23%
B 249.677†	625.9	0.1210 mg/L	0.00071	0.1210 mg/L	0.00071	0.59%
Ba 233.527†	368.3	0.05172 mg/L	0.000584	0.05172 mg/L	0.000584	1.13%
Be 313.042†	148.7	0.00044 mg/L	0.000056	0.00044 mg/L	0.000056	12.76%
Ca 317.933†	414893.7	57.96 mg/L	0.658	57.96 mg/L	0.658	1.14%
Cd 228.802†	7.7	-0.00042 mg/L	0.000123	-0.00042 mg/L	0.000123	29.04%
Co 228.616†	149.7	0.00576 mg/L	0.000140	0.00576 mg/L	0.000140	2.43%
Cr 267.716†	67.5	0.01077 mg/L	0.000280	0.01077 mg/L	0.000280	2.60%
Cu 324.752†	1933.9	0.01739 mg/L	0.000343	0.01739 mg/L	0.000343	1.97%
Fe 273.955†	74107.3	94.46 mg/L	0.460	94.46 mg/L	0.460	0.49%
K 766.490†	17982.0	14.78 mg/L	0.024	14.78 mg/L	0.024	0.16%
Mg 279.077†	62635.1	76.82 mg/L	0.438	76.82 mg/L	0.438	0.57%
Mn 257.610†	53460.4	1.798 mg/L	0.0070	1.798 mg/L	0.0070	0.39%
Mo 202.031†	105.7	0.00595 mg/L	0.000386	0.00595 mg/L	0.000386	6.48%
Na 589.592†	2258538.5	301.8 mg/L	0.34	301.8 mg/L	0.34	0.11%
Na 330.237†	5234.6	311.0 mg/L	1.57	311.0 mg/L	1.57	0.50%
Ni 231.604†	36.4	0.01019 mg/L	0.001906	0.01019 mg/L	0.001906	18.70%
Pb 220.353†	43.5	0.00792 mg/L	0.000563	0.00792 mg/L	0.000563	7.11%
Sb 206.836†	12.0	0.00479 mg/L	0.002630	0.00479 mg/L	0.002630	54.86%
Se 196.026†	18.2	0.01906 mg/L	0.003777	0.01906 mg/L	0.003777	19.82%
Si 288.158†	46661.5	39.76 mg/L	0.099	39.76 mg/L	0.099	0.25%
Sn 189.927†	-92.4	-0.01870 mg/L	0.000696	-0.01870 mg/L	0.000696	3.72%
Sr 421.552†	243343.8	0.4904 mg/L	0.00115	0.4904 mg/L	0.00115	0.23%
Ti 334.903†	1202.8	0.07952 mg/L	0.000347	0.07952 mg/L	0.000347	0.44%
Tl 190.801†	-8.2	0.00252 mg/L	0.001785	0.00252 mg/L	0.001785	70.82%
V 292.402†	5647.0	0.05232 mg/L	0.000711	0.05232 mg/L	0.000711	1.36%
Zn 206.200†	86.7	0.03508 mg/L	0.001115	0.03508 mg/L	0.001115	3.18%

Sequence No.: 17
 Sample ID: 16J0336-01

Autosampler Location: 326
 Date Collected: 10/28/2016 1:49:16 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0336-01

Analyte Back Pressure Flow
 All 145.0 kPa 0.65 L/min

Mean Data: 16J0336-01

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1869300.8	106.8 %		0.43			0.40%
ScR 361.383	207350.0	107.7 %		0.64			0.60%
Ag 328.068†	-39.1	-0.00030 mg/L		0.000335	-0.00030 mg/L	0.000335	112.17%
Al 308.215†	13.5	0.01426 mg/L		0.005519	0.01426 mg/L	0.005519	38.70%
As 188.979†	7.9	0.00504 mg/L		0.003474	0.00504 mg/L	0.003474	68.94%
B 249.677†	30.7	0.00594 mg/L		0.000461	0.00594 mg/L	0.000461	7.76%
Ba 233.527†	93.1	0.01569 mg/L		0.000559	0.01569 mg/L	0.000559	3.57%
Be 313.042†	-19.7	-0.00006 mg/L		0.000068	-0.00006 mg/L	0.000068	109.33%
Ca 317.933†	170193.9	23.78 mg/L		0.163	23.78 mg/L	0.163	0.68%
Cd 228.802†	-5.7	-0.00037 mg/L		0.000039	-0.00037 mg/L	0.000039	10.61%
Co 228.616†	6.6	0.00026 mg/L		0.000145	0.00026 mg/L	0.000145	55.94%
Cr 267.716†	6.9	0.00077 mg/L		0.000621	0.00077 mg/L	0.000621	80.90%
Cu 324.752†	72.3	0.00044 mg/L		0.000103	0.00044 mg/L	0.000103	23.09%
Fe 273.955†	58.1	0.07398 mg/L		0.012347	0.07398 mg/L	0.012347	16.69%
K 766.490†	3634.9	2.987 mg/L		0.0056	2.987 mg/L	0.0056	0.19%
Mg 279.077†	4560.3	5.598 mg/L		0.0209	5.598 mg/L	0.0209	0.37%
Mn 257.610†	48.6	0.00159 mg/L		0.000323	0.00159 mg/L	0.000323	20.36%
Mo 202.031†	38.8	0.00215 mg/L		0.000209	0.00215 mg/L	0.000209	9.73%
Na 589.592†	25550.2	3.414 mg/L		0.0522	3.414 mg/L	0.0522	1.53%
Na 330.237†	62.6	3.721 mg/L		0.5372	3.721 mg/L	0.5372	14.44%
Ni 231.604†	2.3	0.00064 mg/L		0.001113	0.00064 mg/L	0.001113	172.83%
Pb 220.353†	0.4	0.00006 mg/L		0.000311	0.00006 mg/L	0.000311	486.53%
Sb 206.836†	-4.2	-0.00188 mg/L		0.001407	-0.00188 mg/L	0.001407	74.95%
Se 196.026†	8.2	0.00886 mg/L		0.001389	0.00886 mg/L	0.001389	15.68%
Si 288.158†	29842.4	25.42 mg/L		0.064	25.42 mg/L	0.064	0.25%
Sn 189.927†	-51.2	-0.01226 mg/L		0.001652	-0.01226 mg/L	0.001652	13.47%
Sr 421.552†	38623.3	0.07783 mg/L		0.000052	0.07783 mg/L	0.000052	0.07%
Ti 334.903†	6.0	-0.00129 mg/L		0.001265	-0.00129 mg/L	0.001265	97.89%
Tl 190.801†	10.0	0.00556 mg/L		0.002382	0.00556 mg/L	0.002382	42.83%
V 292.402†	1173.9	0.01157 mg/L		0.000113	0.01157 mg/L	0.000113	0.98%
Zn 206.200†	7.9	0.00749 mg/L		0.000177	0.00749 mg/L	0.000177	2.36%

Sequence No.: 18
Sample ID: 16J0341-03

Autosampler Location: 327
Date Collected: 10/28/2016 1:53:14 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-03

Analyte Back Pressure Flow
All 144.0 kPa 0.65 L/min

Mean Data: 16J0341-03

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1833379.9	104.7	%	0.89			0.85%
ScR 361.383	201571.0	104.7	%	0.42			0.40%
Ag 328.068†	-7.1	-0.00005	mg/L	0.000127	-0.00005 mg/L	0.000127	236.01%
Al 308.215†	141.6	0.1518	mg/L	0.00805	0.1518 mg/L	0.00805	5.30%
As 188.979†	11.2	0.00718	mg/L	0.000192	0.00718 mg/L	0.000192	2.67%
B 249.677†	357.4	0.06909	mg/L	0.001754	0.06909 mg/L	0.001754	2.54%
Ba 233.527†	276.1	0.04263	mg/L	0.000168	0.04263 mg/L	0.000168	0.39%
Be 313.042†	40.5	0.00012	mg/L	0.000044	0.00012 mg/L	0.000044	35.79%
Ca 317.933†	296420.3	41.41	mg/L	0.320	41.41 mg/L	0.320	0.77%
Cd 228.802†	-1.6	-0.00044	mg/L	0.000345	-0.00044 mg/L	0.000345	78.36%
Co 228.616†	332.8	0.01313	mg/L	0.000202	0.01313 mg/L	0.000202	1.54%
Cr 267.716†	1.7	0.00033	mg/L	0.001754	0.00033 mg/L	0.001754	528.78%
Cu 324.752†	-170.7	0.00037	mg/L	0.000213	0.00037 mg/L	0.000213	58.13%
Fe 273.955†	28030.4	35.73	mg/L	0.231	35.73 mg/L	0.231	0.65%
K 766.490†	7502.2	6.165	mg/L	0.0201	6.165 mg/L	0.0201	0.33%
Mg 279.077†	19502.9	23.92	mg/L	0.137	23.92 mg/L	0.137	0.57%
Mn 257.610†	54166.9	1.822	mg/L	0.0084	1.822 mg/L	0.0084	0.46%
Mo 202.031†	50.2	0.00262	mg/L	0.000280	0.00262 mg/L	0.000280	10.69%
Na 589.592†	425962.4	56.92	mg/L	0.089	56.92 mg/L	0.089	0.16%
Na 330.237†	995.5	59.15	mg/L	0.754	59.15 mg/L	0.754	1.28%
Ni 231.604†	48.3	0.01351	mg/L	0.001439	0.01351 mg/L	0.001439	10.65%
Pb 220.353†	2.8	0.00047	mg/L	0.000975	0.00047 mg/L	0.000975	208.14%
Sb 206.836†	8.1	0.00314	mg/L	0.001719	0.00314 mg/L	0.001719	54.82%
Se 196.026†	12.2	0.01313	mg/L	0.005551	0.01313 mg/L	0.005551	42.26%
Si 288.158†	22636.2	19.29	mg/L	0.073	19.29 mg/L	0.073	0.38%
Sn 189.927†	-77.5	-0.01734	mg/L	0.000583	-0.01734 mg/L	0.000583	3.36%
Sr 421.552†	140547.3	0.2832	mg/L	0.00052	0.2832 mg/L	0.00052	0.18%
Ti 334.903†	246.4	0.01417	mg/L	0.000846	0.01417 mg/L	0.000846	5.97%
Tl 190.801†	1.4	0.00304	mg/L	0.000882	0.00304 mg/L	0.000882	29.03%
V 292.402†	257.0	0.00145	mg/L	0.000150	0.00145 mg/L	0.000150	10.37%
Zn 206.200†	2.2	0.00447	mg/L	0.000790	0.00447 mg/L	0.000790	17.67%

Sequence No.: 19
 Sample ID: 16J0341-04

Autosampler Location: 328
 Date Collected: 10/28/2016 1:57:28 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-04

Analyte Back Pressure Flow
 All 145.0 kPa 0.65 L/min

Mean Data: 16J0341-04

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
ScA 357.253	1685577.8	96.29	%	0.239				0.25%
ScR 361.383	192561.0	100.0	%	0.52				0.52%
Ag 328.068†	-194.4	-0.00150	mg/L	0.000362	-0.00150	mg/L	0.000362	24.12%
Al 308.215†	-5.8	-0.00663	mg/L	0.006722	-0.00663	mg/L	0.006722	101.43%
As 188.979†	45.0	0.02337	mg/L	0.003588	0.02337	mg/L	0.003588	15.35%
B 249.677†	2657.2	0.5140	mg/L	0.00248	0.5140	mg/L	0.00248	0.48%
Ba 233.527†	246.6	0.04155	mg/L	0.000881	0.04155	mg/L	0.000881	2.12%
Be 313.042†	95.3	0.00029	mg/L	0.000008	0.00029	mg/L	0.000008	2.77%
Ca 317.933†	1657632.4	231.6	mg/L	0.70	231.6	mg/L	0.70	0.30%
Cd 228.802†	-13.5	-0.00101	mg/L	0.000396	-0.00101	mg/L	0.000396	39.31%
Co 228.616†	51.8	0.00201	mg/L	0.000074	0.00201	mg/L	0.000074	3.67%
Cr 267.716†	144.9	0.00025	mg/L	0.001803	0.00025	mg/L	0.001803	731.30%
Cu 324.752†	403.8	-0.00048	mg/L	0.000133	-0.00048	mg/L	0.000133	27.65%
Fe 273.955†	141.0	0.1797	mg/L	0.00624	0.1797	mg/L	0.00624	3.48%
K 766.490†	66089.2	54.31	mg/L	0.076	54.31	mg/L	0.076	0.14%
Mg 279.077†	267359.2	328.2	mg/L	0.32	328.2	mg/L	0.32	0.10%
Mn 257.610†	50360.0	1.691	mg/L	0.0032	1.691	mg/L	0.0032	0.19%
Mo 202.031†	315.8	0.01692	mg/L	0.000132	0.01692	mg/L	0.000132	0.78%
Na 589.592†	9598219.7	1283	mg/L	9.38	1283	mg/L	9.38	0.73%
Na 330.237†	22888.7	1360	mg/L	5.77	1360	mg/L	5.77	0.42%
Ni 231.604†	6.4	0.00178	mg/L	0.001171	0.00178	mg/L	0.001171	65.61%
Pb 220.353†	-3.2	-0.00044	mg/L	0.000939	-0.00044	mg/L	0.000939	215.60%
Sb 206.836†	-0.1	-0.00080	mg/L	0.001973	-0.00080	mg/L	0.001973	247.41%
Se 196.026†	38.0	0.04110	mg/L	0.009047	0.04110	mg/L	0.009047	22.01%
Si 288.158†	32162.4	27.44	mg/L	0.107	27.44	mg/L	0.107	0.39%
Sn 189.927†	-117.9	0.01197	mg/L	0.001491	0.01197	mg/L	0.001491	12.45%
Sr 421.552†	979899.2	1.975	mg/L	0.0063	1.975	mg/L	0.0063	0.32%
Ti 334.903†	289.4	0.00348	mg/L	0.000239	0.00348	mg/L	0.000239	6.86%
Tl 190.801†	11.3	-0.00417	mg/L	0.003866	-0.00417	mg/L	0.003866	92.67%
V 292.402†	231.9	0.00265	mg/L	0.000107	0.00265	mg/L	0.000107	4.02%
Zn 206.200†	-24.1	-0.00218	mg/L	0.000703	-0.00218	mg/L	0.000703	32.20%

Sequence No.: 20
Sample ID: BEJ0643-DUP1

Autosampler Location: 329
Date Collected: 10/28/2016 2:02:05 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0643-DUP1

Analyte Back Pressure Flow
All 148.0 kPa 0.65 L/min

Mean Data: BEJ0643-DUP1

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1778649.5	101.6	%	0.59			0.58%
ScR 361.383	196549.8	102.1	%	0.44			0.43%
Ag 328.068†	-43.2	-0.00033	mg/L	0.000350	-0.00033 mg/L	0.000350	105.09%
Al 308.215†	32.7	0.03491	mg/L	0.001631	0.03491 mg/L	0.001631	4.67%
As 188.979†	16.7	0.01007	mg/L	0.005250	0.01007 mg/L	0.005250	52.15%
B 249.677†	1430.3	0.2767	mg/L	0.00096	0.2767 mg/L	0.00096	0.35%
Ba 233.527†	239.6	0.03688	mg/L	0.001562	0.03688 mg/L	0.001562	4.24%
Be 313.042†	11.0	0.00003	mg/L	0.000084	0.00003 mg/L	0.000084	254.78%
Ca 317.933†	455550.2	63.64	mg/L	0.264	63.64 mg/L	0.264	0.42%
Cd 228.802†	-5.9	-0.00069	mg/L	0.000204	-0.00069 mg/L	0.000204	29.44%
Co 228.616†	19.6	0.00076	mg/L	0.000126	0.00076 mg/L	0.000126	16.66%
Cr 267.716†	41.7	0.00073	mg/L	0.000972	0.00073 mg/L	0.000972	133.92%
Cu 324.752†	-26.2	0.00031	mg/L	0.000306	0.00031 mg/L	0.000306	97.49%
Fe 273.955†	25212.2	32.14	mg/L	0.181	32.14 mg/L	0.181	0.56%
K 766.490†	35132.8	28.87	mg/L	0.148	28.87 mg/L	0.148	0.51%
Mg 279.077†	87905.0	107.9	mg/L	0.22	107.9 mg/L	0.22	0.21%
Mn 257.610†	70041.7	2.355	mg/L	0.0115	2.355 mg/L	0.0115	0.49%
Mo 202.031†	103.3	0.00571	mg/L	0.000401	0.00571 mg/L	0.000401	7.01%
Na 589.592†	2536434.1	339.0	mg/L	0.71	339.0 mg/L	0.71	0.21%
Na 330.237†	5910.7	351.2	mg/L	1.05	351.2 mg/L	1.05	0.30%
Ni 231.604†	0.9	0.00026	mg/L	0.001051	0.00026 mg/L	0.001051	408.05%
Pb 220.353†	3.1	0.00048	mg/L	0.001411	0.00048 mg/L	0.001411	291.23%
Sb 206.836†	-0.0	-0.00042	mg/L	0.000548	-0.00042 mg/L	0.000548	130.05%
Se 196.026†	21.5	0.02325	mg/L	0.006225	0.02325 mg/L	0.006225	26.77%
Si 288.158†	37278.1	31.77	mg/L	0.098	31.77 mg/L	0.098	0.31%
Sn 189.927†	-95.2	-0.01841	mg/L	0.000591	-0.01841 mg/L	0.000591	3.21%
Sr 421.552†	298243.7	0.6010	mg/L	0.00025	0.6010 mg/L	0.00025	0.04%
Ti 334.903†	119.5	0.00374	mg/L	0.001004	0.00374 mg/L	0.001004	26.87%
Tl 190.801†	1.9	0.00186	mg/L	0.001612	0.00186 mg/L	0.001612	86.88%
V 292.402†	201.6	0.00116	mg/L	0.000080	0.00116 mg/L	0.000080	6.87%
Zn 206.200†	-19.7	0.00007	mg/L	0.001205	0.00007 mg/L	0.001205	>999.9%

Sequence No.: 21
 Sample ID: 16J0341-02

Autosampler Location: 330
 Date Collected: 10/28/2016 2:06:21 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-02

Analyte Back Pressure Flow
 All 149.0 kPa 0.65 L/min

Mean Data: 16J0341-02

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1794878.3	102.5 %		0.89			0.87%
ScR 361.383	205644.7	106.8 %		0.60			0.56%
Ag 328.068†	-67.5	-0.00052 mg/L		0.000217	-0.00052 mg/L	0.000217	41.69%
Al 308.215†	30.2	0.03224 mg/L		0.001922	0.03224 mg/L	0.001922	5.96%
As 188.979†	18.7	0.01180 mg/L		0.002719	0.01180 mg/L	0.002719	23.04%
B 249.677†	1416.8	0.2740 mg/L		0.00131	0.2740 mg/L	0.00131	0.48%
Ba 233.527†	231.6	0.03570 mg/L		0.000464	0.03570 mg/L	0.000464	1.30%
Be 313.042†	38.6	0.00012 mg/L		0.000049	0.00012 mg/L	0.000049	41.84%
Ca 317.933†	438796.8	61.30 mg/L		0.470	61.30 mg/L	0.470	0.77%
Cd 228.802†	-1.3	-0.00043 mg/L		0.000042	-0.00043 mg/L	0.000042	9.76%
Co 228.616†	25.2	0.00098 mg/L		0.000092	0.00098 mg/L	0.000092	9.44%
Cr 267.716†	42.7	0.00124 mg/L		0.000801	0.00124 mg/L	0.000801	64.77%
Cu 324.752†	-14.3	0.00038 mg/L		0.000064	0.00038 mg/L	0.000064	17.05%
Fe 273.955†	23999.7	30.59 mg/L		0.230	30.59 mg/L	0.230	0.75%
K 766.490†	33512.4	27.54 mg/L		0.082	27.54 mg/L	0.082	0.30%
Mg 279.077†	83360.1	102.3 mg/L		0.44	102.3 mg/L	0.44	0.43%
Mn 257.610†	66816.7	2.247 mg/L		0.0132	2.247 mg/L	0.0132	0.59%
Mo 202.031†	105.2	0.00587 mg/L		0.000356	0.00587 mg/L	0.000356	6.07%
Na 589.592†	2418305.4	323.2 mg/L		4.42	323.2 mg/L	4.42	1.37%
Na 330.237†	5625.4	334.2 mg/L		1.80	334.2 mg/L	1.80	0.54%
Ni 231.604†	1.4	0.00039 mg/L		0.001656	0.00039 mg/L	0.001656	426.88%
Pb 220.353†	-0.7	-0.00008 mg/L		0.000239	-0.00008 mg/L	0.000239	312.07%
Sb 206.836†	4.5	0.00144 mg/L		0.001674	0.00144 mg/L	0.001674	116.11%
Se 196.026†	19.3	0.02085 mg/L		0.005023	0.02085 mg/L	0.005023	24.08%
Si 288.158†	35498.7	30.25 mg/L		0.076	30.25 mg/L	0.076	0.25%
Sn 189.927†	-98.8	-0.02018 mg/L		0.000458	-0.02018 mg/L	0.000458	2.27%
Sr 421.552†	285132.5	0.5746 mg/L		0.00787	0.5746 mg/L	0.00787	1.37%
Ti 334.903†	123.4	0.00417 mg/L		0.000304	0.00417 mg/L	0.000304	7.29%
Tl 190.801†	-4.1	-0.00230 mg/L		0.003732	-0.00230 mg/L	0.003732	161.93%
V 292.402†	202.9	0.00122 mg/L		0.000156	0.00122 mg/L	0.000156	12.84%
Zn 206.200†	-16.3	0.00084 mg/L		0.000480	0.00084 mg/L	0.000480	56.88%

Sequence No.: 22
 Sample ID: BEJ0643-MS1

Autosampler Location: 331
 Date Collected: 10/28/2016 2:10:37 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0643-MS1

Analyte Back Pressure Flow
 All 149.0 kPa 0.65 L/min

Mean Data: BEJ0643-MS1

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1783996.1	101.9 %	0.22			0.21%
ScR 361.383	202053.5	105.0 %	0.85			0.81%
Ag 328.068†	61219.2	0.4726 mg/L	0.00408	0.4726 mg/L	0.00408	0.86%
Al 308.215†	1997.8	2.137 mg/L	0.0120	2.137 mg/L	0.0120	0.56%
As 188.979†	2724.7	2.218 mg/L	0.0076	2.218 mg/L	0.0076	0.34%
B 249.677†	1383.0	0.2661 mg/L	0.00207	0.2661 mg/L	0.00207	0.78%
Ba 233.527†	12267.7	2.065 mg/L	0.0125	2.065 mg/L	0.0125	0.60%
Be 313.042†	169545.4	0.5142 mg/L	0.00231	0.5142 mg/L	0.00231	0.45%
Ca 317.933†	514300.5	71.85 mg/L	0.298	71.85 mg/L	0.298	0.42%
Cd 228.802†	9165.3	0.5168 mg/L	0.00352	0.5168 mg/L	0.00352	0.68%
Co 228.616†	12625.0	0.4991 mg/L	0.00008	0.4991 mg/L	0.00008	0.02%
Cr 267.716†	2980.8	0.5090 mg/L	0.00159	0.5090 mg/L	0.00159	0.31%
Cu 324.752†	70457.0	0.4905 mg/L	0.00182	0.4905 mg/L	0.00182	0.37%
Fe 273.955†	25364.2	32.33 mg/L	0.134	32.33 mg/L	0.134	0.41%
K 766.490†	46666.2	38.35 mg/L	0.173	38.35 mg/L	0.173	0.45%
Mg 279.077†	90902.6	111.6 mg/L	0.29	111.6 mg/L	0.29	0.26%
Mn 257.610†	80355.2	2.703 mg/L	0.0098	2.703 mg/L	0.0098	0.36%
Mo 202.031†	108.2	0.00591 mg/L	0.000145	0.00591 mg/L	0.000145	2.45%
Na 589.592†	2501200.5	334.3 mg/L	2.87	334.3 mg/L	2.87	0.86%
Na 330.237†	5968.2	354.4 mg/L	1.73	354.4 mg/L	1.73	0.49%
Ni 231.604†	1794.8	0.5011 mg/L	0.00185	0.5011 mg/L	0.00185	0.37%
Pb 220.353†	12931.2	1.954 mg/L	0.0082	1.954 mg/L	0.0082	0.42%
Sb 206.836†	16.8	0.00047 mg/L	0.001039	0.00047 mg/L	0.001039	221.00%
Se 196.026†	2226.2	2.410 mg/L	0.0081	2.410 mg/L	0.0081	0.34%
Si 288.158†	36162.6	30.82 mg/L	0.144	30.82 mg/L	0.144	0.47%
Sn 189.927†	-107.5	-0.02069 mg/L	0.000246	-0.02069 mg/L	0.000246	1.19%
Sr 421.552†	537420.9	1.083 mg/L	0.0084	1.083 mg/L	0.0084	0.77%
Ti 334.903†	125.4	0.00344 mg/L	0.000125	0.00344 mg/L	0.000125	3.65%
Tl 190.801†	2830.4	1.932 mg/L	0.0011	1.932 mg/L	0.0011	0.05%
V 292.402†	51893.2	0.5127 mg/L	0.00186	0.5127 mg/L	0.00186	0.36%
Zn 206.200†	1603.8	0.5102 mg/L	0.00192	0.5102 mg/L	0.00192	0.38%

Sequence No.: 23
 Sample ID: BEJ0643-BS1

Autosampler Location: 332
 Date Collected: 10/28/2016 2:14:54 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0643-BS1

Analyte Back Pressure Flow
 All 149.0 kPa 0.65 L/min

Mean Data: BEJ0643-BS1

Analyte	Mean Corrected Intensity	Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1860357.0	106.3 %	0.68			0.64%
ScR 361.383	205662.4	106.8 %	0.33			0.30%
Ag 328.068†	20410.1	0.1577 mg/L	0.01773	0.1577 mg/L	0.01773	11.25%
Al 308.215†	2003.2	2.142 mg/L	0.0217	2.142 mg/L	0.0217	1.01%
As 188.979†	2686.8	2.190 mg/L	0.0068	2.190 mg/L	0.0068	0.31%
B 249.677†	8.2	0.00017 mg/L	0.001788	0.00017 mg/L	0.001788	>999.9%
Ba 233.527†	12250.8	2.065 mg/L	0.0106	2.065 mg/L	0.0106	0.51%
Be 313.042†	171649.5	0.5206 mg/L	0.00212	0.5206 mg/L	0.00212	0.41%
Ca 317.933†	74567.5	10.42 mg/L	0.065	10.42 mg/L	0.065	0.62%
Cd 228.802†	9615.3	0.5433 mg/L	0.00193	0.5433 mg/L	0.00193	0.36%
Co 228.616†	13164.8	0.5205 mg/L	0.00127	0.5205 mg/L	0.00127	0.24%
Cr 267.716†	3015.5	0.5210 mg/L	0.00340	0.5210 mg/L	0.00340	0.65%
Cu 324.752†	71766.6	0.4991 mg/L	0.00271	0.4991 mg/L	0.00271	0.54%
Fe 273.955†	1680.5	2.138 mg/L	0.0116	2.138 mg/L	0.0116	0.54%
K 766.490†	13456.1	11.06 mg/L	0.041	11.06 mg/L	0.041	0.37%
Mg 279.077†	8829.3	10.84 mg/L	0.076	10.84 mg/L	0.076	0.70%
Mn 257.610†	15090.7	0.5082 mg/L	0.00455	0.5082 mg/L	0.00455	0.90%
Mo 202.031†	19.7	0.00112 mg/L	0.000266	0.00112 mg/L	0.000266	23.88%
Na 589.592†	80470.2	10.75 mg/L	0.030	10.75 mg/L	0.030	0.28%
Na 330.237†	193.4	11.29 mg/L	0.383	11.29 mg/L	0.383	3.39%
Ni 231.604†	1874.3	0.5232 mg/L	0.00252	0.5232 mg/L	0.00252	0.48%
Pb 220.353†	13977.7	2.112 mg/L	0.0080	2.112 mg/L	0.0080	0.38%
Sb 206.836†	8.9	-0.00262 mg/L	0.002586	-0.00262 mg/L	0.002586	98.54%
Se 196.026†	2229.3	2.413 mg/L	0.0138	2.413 mg/L	0.0138	0.57%
Si 288.158†	-6.8	-0.00262 mg/L	0.000769	-0.00262 mg/L	0.000769	29.33%
Sn 189.927†	-30.7	-0.00816 mg/L	0.000766	-0.00816 mg/L	0.000766	9.39%
Sr 421.552†	256134.9	0.5161 mg/L	0.00078	0.5161 mg/L	0.00078	0.15%
Ti 334.903†	0.7	-0.00082 mg/L	0.000014	-0.00082 mg/L	0.000014	1.76%
Tl 190.801†	3157.3	2.155 mg/L	0.0082	2.155 mg/L	0.0082	0.38%
V 292.402†	53227.5	0.5267 mg/L	0.00248	0.5267 mg/L	0.00248	0.47%
Zn 206.200†	1705.7	0.5362 mg/L	0.00087	0.5362 mg/L	0.00087	0.16%

Sequence No.: 24
 Sample ID: SEQ-IBL1

Autosampler Location: 333
 Date Collected: 10/28/2016 2:18:53 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-IBL1

Analyte Back Pressure Flow
 All 149.0 kPa 0.65 L/min

Mean Data: SEQ-IBL1

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1831078.3	104.6	%	0.20			0.19%
ScR 361.383	202907.3	105.4	%	0.23			0.22%
Ag 328.068†	1917.4	0.01480	mg/L	0.013454	0.01480 mg/L	0.013454	90.93%
Al 308.215†	3.6	0.00387	mg/L	0.002596	0.00387 mg/L	0.002596	67.07%
As 188.979†	6.1	0.00489	mg/L	0.000690	0.00489 mg/L	0.000690	14.12%
B 249.677†	1.9	0.00038	mg/L	0.000241	0.00038 mg/L	0.000241	64.26%
Ba 233.527†	1.2	0.00019	mg/L	0.000523	0.00019 mg/L	0.000523	269.52%
Be 313.042†	-6.0	-0.00002	mg/L	0.000040	-0.00002 mg/L	0.000040	222.62%
Ca 317.933†	22.4	0.00313	mg/L	0.001290	0.00313 mg/L	0.001290	41.26%
Cd 228.802†	4.0	0.00020	mg/L	0.000072	0.00020 mg/L	0.000072	35.78%
Co 228.616†	5.9	0.00024	mg/L	0.000159	0.00024 mg/L	0.000159	67.58%
Cr 267.716†	-1.6	-0.00028	mg/L	0.001223	-0.00028 mg/L	0.001223	438.87%
Cu 324.752†	-11.7	-0.00008	mg/L	0.000018	-0.00008 mg/L	0.000018	22.67%
Fe 273.955†	11.6	0.01474	mg/L	0.007563	0.01474 mg/L	0.007563	51.33%
K 766.490†	67.1	0.05512	mg/L	0.021721	0.05512 mg/L	0.021721	39.41%
Mg 279.077†	-1.9	-0.00234	mg/L	0.005657	-0.00234 mg/L	0.005657	242.08%
Mn 257.610†	-0.8	-0.00003	mg/L	0.000240	-0.00003 mg/L	0.000240	870.64%
Mo 202.031†	5.1	0.00033	mg/L	0.000171	0.00033 mg/L	0.000171	52.57%
Na 589.592†	919.7	0.1229	mg/L	0.01338	0.1229 mg/L	0.01338	10.89%
Na 330.237†	2.9	0.1692	mg/L	0.81781	0.1692 mg/L	0.81781	483.22%
Ni 231.604†	-1.3	-0.00037	mg/L	0.001872	-0.00037 mg/L	0.001872	510.54%
Pb 220.353†	2.6	0.00039	mg/L	0.000346	0.00039 mg/L	0.000346	89.41%
Sb 206.836†	-1.2	-0.00050	mg/L	0.000568	-0.00050 mg/L	0.000568	112.79%
Se 196.026†	3.5	0.00382	mg/L	0.004906	0.00382 mg/L	0.004906	128.52%
Si 288.158†	9.2	0.00785	mg/L	0.004342	0.00785 mg/L	0.004342	55.29%
Sn 189.927†	-0.3	-0.00009	mg/L	0.001502	-0.00009 mg/L	0.001502	>999.9%
Sr 421.552†	-12.6	-0.00003	mg/L	0.000028	-0.00003 mg/L	0.000028	109.16%
Ti 334.903†	-21.9	-0.00152	mg/L	0.000558	-0.00152 mg/L	0.000558	36.66%
Tl 190.801†	0.6	0.00043	mg/L	0.001299	0.00043 mg/L	0.001299	301.13%
V 292.402†	4.2	0.00004	mg/L	0.000190	0.00004 mg/L	0.000190	468.43%
Zn 206.200†	0.2	0.00008	mg/L	0.000690	0.00008 mg/L	0.000690	878.22%

Sequence No.: 25
Sample ID: SEQ-CCV5

Autosampler Location: 7
Date Collected: 10/28/2016 2:22:52 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-CCV5

Analyte	Back Pressure	Flow
All	149.0 kPa	0.65 L/min

Mean Data: SEQ-CCV5

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1834323.3	104.8 %	0.14			0.14%
ScR 361.383	202025.8	105.0 %	0.73			0.69%
Ag 328.068†	134995.2	1.042 mg/L	0.0057	1.042 mg/L	0.0057	0.55%
Al 308.215†	1988.0	2.100 mg/L	0.0142	2.100 mg/L	0.0142	0.68%
As 188.979†	2505.4	2.070 mg/L	0.0091	2.070 mg/L	0.0091	0.44%
B 249.677†	5268.7	1.017 mg/L	0.0035	1.017 mg/L	0.0035	0.35%
Ba 233.527†	6130.2	1.033 mg/L	0.0040	1.033 mg/L	0.0040	0.39%
Be 313.042†	338816.0	1.028 mg/L	0.0041	1.028 mg/L	0.0041	0.40%
Ca 317.933†	15407.0	2.152 mg/L	0.0077	2.152 mg/L	0.0077	0.36%
Cd 228.802†	17716.4	1.013 mg/L	0.0069	1.013 mg/L	0.0069	0.68%
Co 228.616†	25581.1	1.010 mg/L	0.0062	1.010 mg/L	0.0062	0.61%
Cr 267.716†	6004.8	1.040 mg/L	0.0050	1.040 mg/L	0.0050	0.49%
Cu 324.752†	143080.9	0.9946 mg/L	0.00499	0.9946 mg/L	0.00499	0.50%
Fe 273.955†	1660.0	2.107 mg/L	0.0152	2.107 mg/L	0.0152	0.72%
K 766.490†	25953.0	21.33 mg/L	0.078	21.33 mg/L	0.078	0.37%
Mg 279.077†	1713.5	2.111 mg/L	0.0087	2.111 mg/L	0.0087	0.41%
Mn 257.610†	28666.1	0.9649 mg/L	0.00352	0.9649 mg/L	0.00352	0.36%
Mo 202.031†	15257.2	0.9823 mg/L	0.00355	0.9823 mg/L	0.00355	0.36%
Na 589.592†	382647.6	51.14 mg/L	0.134	51.14 mg/L	0.134	0.26%
Na 330.237†	917.4	54.35 mg/L	0.358	54.35 mg/L	0.358	0.66%
Ni 231.604†	3731.9	1.044 mg/L	0.0048	1.044 mg/L	0.0048	0.46%
Pb 220.353†	13381.3	2.022 mg/L	0.0096	2.022 mg/L	0.0096	0.47%
Sb 206.836†	5122.3	2.122 mg/L	0.0041	2.122 mg/L	0.0041	0.19%
Se 196.026†	1937.1	2.096 mg/L	0.0102	2.096 mg/L	0.0102	0.49%
Si 288.158†	2488.6	2.117 mg/L	0.0050	2.117 mg/L	0.0050	0.23%
Sn 189.927†	2929.4	1.013 mg/L	0.0049	1.013 mg/L	0.0049	0.49%
Sr 421.552†	508087.6	1.024 mg/L	0.0024	1.024 mg/L	0.0024	0.24%
Ti 334.903†	14499.2	1.008 mg/L	0.0039	1.008 mg/L	0.0039	0.39%
Tl 190.801†	2993.8	2.040 mg/L	0.0007	2.040 mg/L	0.0007	0.04%
V 292.402†	103373.5	1.023 mg/L	0.0050	1.023 mg/L	0.0050	0.49%
Zn 206.200†	3361.3	1.057 mg/L	0.0044	1.057 mg/L	0.0044	0.41%

Sequence No.: 26
Sample ID: SEQ-CCB5
Dilution: 1.000000X

Autosampler Location: 1
Date Collected: 10/28/2016 2:26:54 PM
Data Type: Original

Nebulizer Parameters: SEQ-CCB5

Analyte Back Pressure Flow
All 149.0 kPa 0.65 L/min

Mean Data: SEQ-CCB5

Table with 8 columns: Analyte, Mean Corrected Intensity, Calib. Conc. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Lists various elements like ScA, ScR, Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, V, Zn with their respective intensity, concentration, and RSD values.

Sequence No.: 27

Autosampler Location: 334

Sample ID: BEJ0633-BLK1

Date Collected: 10/28/2016 2:30:54 PM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0633-BLK1

Analyte	Back Pressure	Flow
All	149.0 kPa	0.65 L/min

Mean Data: BEJ0633-BLK1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1864487.6	106.5 %		0.05			0.05%
ScR 361.383	205144.8	106.6 %		0.29			0.28%
Ag 328.068†	10.0	0.00008 mg/L		0.000064	0.00008 mg/L	0.000064	82.47%
Al 308.215†	3.5	0.00379 mg/L		0.006007	0.00379 mg/L	0.006007	158.70%
As 188.979†	3.4	0.00273 mg/L		0.002556	0.00273 mg/L	0.002556	93.55%
B 249.677†	4.0	0.00078 mg/L		0.001517	0.00078 mg/L	0.001517	195.66%
Ba 233.527†	6.3	0.00107 mg/L		0.000636	0.00107 mg/L	0.000636	59.51%
Be 313.042†	-36.8	-0.00011 mg/L		0.000023	-0.00011 mg/L	0.000023	20.66%
Ca 317.933†	84.2	0.01176 mg/L		0.002448	0.01176 mg/L	0.002448	20.82%
Cd 228.802†	-1.7	-0.00012 mg/L		0.000302	-0.00012 mg/L	0.000302	253.06%
Co 228.616†	0.4	0.00002 mg/L		0.000051	0.00002 mg/L	0.000051	273.37%
Cr 267.716†	0.4	0.00006 mg/L		0.000723	0.00006 mg/L	0.000723	>999.9%
Cu 324.752†	238.3	0.00166 mg/L		0.000138	0.00166 mg/L	0.000138	8.32%
Fe 273.955†	8.1	0.01035 mg/L		0.002731	0.01035 mg/L	0.002731	26.38%
K 766.490†	56.3	0.04629 mg/L		0.014812	0.04629 mg/L	0.014812	32.00%
Mg 279.077†	1.9	0.00228 mg/L		0.008460	0.00228 mg/L	0.008460	371.36%
Mn 257.610†	2.0	0.00007 mg/L		0.000108	0.00007 mg/L	0.000108	163.69%
Mo 202.031†	-0.6	-0.00004 mg/L		0.000333	-0.00004 mg/L	0.000333	931.39%
Na 589.592†	369.4	0.04936 mg/L		0.001293	0.04936 mg/L	0.001293	2.62%
Na 330.237†	11.3	0.6682 mg/L		0.40583	0.6682 mg/L	0.40583	60.74%
Ni 231.604†	-4.3	-0.00120 mg/L		0.000823	-0.00120 mg/L	0.000823	68.86%
Pb 220.353†	2.9	0.00044 mg/L		0.000320	0.00044 mg/L	0.000320	73.02%
Sb 206.836†	-5.8	-0.00240 mg/L		0.001441	-0.00240 mg/L	0.001441	59.93%
Se 196.026†	0.8	0.00088 mg/L		0.001696	0.00088 mg/L	0.001696	193.03%
Si 288.158†	7.0	0.00596 mg/L		0.002303	0.00596 mg/L	0.002303	38.66%
Sn 189.927†	1.6	0.00056 mg/L		0.001942	0.00056 mg/L	0.001942	345.59%
Sr 421.552†	-7.7	-0.00002 mg/L		0.000049	-0.00002 mg/L	0.000049	317.54%
Ti 334.903†	-25.3	-0.00176 mg/L		0.000548	-0.00176 mg/L	0.000548	31.12%
Tl 190.801†	-0.3	-0.00022 mg/L		0.001596	-0.00022 mg/L	0.001596	730.77%
V 292.402†	-3.6	-0.00003 mg/L		0.000064	-0.00003 mg/L	0.000064	185.18%
Zn 206.200†	4.6	0.00146 mg/L		0.000683	0.00146 mg/L	0.000683	46.88%

Sequence No.: 28
 Sample ID: 16J0341-05

Autosampler Location: 335
 Date Collected: 10/28/2016 2:34:55 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-05

Analyte	Back Pressure	Flow
All	148.0 kPa	0.65 L/min

Mean Data: 16J0341-05

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1824802.9	104.2 %	0.50			0.48%
ScR 361.383	200577.8	104.2 %	0.65			0.63%
Ag 328.068†	-39.2	-0.00030 mg/L	0.000042	-0.00030 mg/L	0.000042	14.03%
Al 308.215†	7.8	0.00824 mg/L	0.002897	0.00824 mg/L	0.002897	35.17%
As 188.979†	23.3	0.01624 mg/L	0.002029	0.01624 mg/L	0.002029	12.50%
B 249.677†	694.6	0.1344 mg/L	0.00348	0.1344 mg/L	0.00348	2.59%
Ba 233.527†	729.0	0.1189 mg/L	0.00089	0.1189 mg/L	0.00089	0.75%
Be 313.042†	12.0	0.00004 mg/L	0.000023	0.00004 mg/L	0.000023	62.66%
Ca 317.933†	353091.6	49.33 mg/L	0.432	49.33 mg/L	0.432	0.88%
Cd 228.802†	2.6	-0.00027 mg/L	0.000119	-0.00027 mg/L	0.000119	43.61%
Co 228.616†	24.1	0.00093 mg/L	0.000071	0.00093 mg/L	0.000071	7.62%
Cr 267.716†	10.8	0.00032 mg/L	0.000269	0.00032 mg/L	0.000269	84.95%
Cu 324.752†	-81.5	0.00074 mg/L	0.000207	0.00074 mg/L	0.000207	28.06%
Fe 273.955†	28647.4	36.51 mg/L	0.595	36.51 mg/L	0.595	1.63%
K 766.490†	17290.3	14.21 mg/L	0.186	14.21 mg/L	0.186	1.31%
Mg 279.077†	37186.2	45.62 mg/L	0.688	45.62 mg/L	0.688	1.51%
Mn 257.610†	37511.2	1.262 mg/L	0.0190	1.262 mg/L	0.0190	1.51%
Mo 202.031†	68.8	0.00370 mg/L	0.000294	0.00370 mg/L	0.000294	7.95%
Na 589.592†	1833522.0	245.0 mg/L	0.24	245.0 mg/L	0.24	0.10%
Na 330.237†	4195.5	249.3 mg/L	2.16	249.3 mg/L	2.16	0.87%
Ni 231.604†	6.3	0.00176 mg/L	0.001613	0.00176 mg/L	0.001613	91.56%
Pb 220.353†	-3.3	-0.00050 mg/L	0.000689	-0.00050 mg/L	0.000689	138.99%
Sb 206.836†	2.8	0.00087 mg/L	0.004128	0.00087 mg/L	0.004128	476.92%
Se 196.026†	16.6	0.01796 mg/L	0.006400	0.01796 mg/L	0.006400	35.63%
Si 288.158†	23933.4	20.39 mg/L	0.276	20.39 mg/L	0.276	1.35%
Sn 189.927†	-89.1	-0.01956 mg/L	0.001037	-0.01956 mg/L	0.001037	5.30%
Sr 421.552†	257025.5	0.5179 mg/L	0.00090	0.5179 mg/L	0.00090	0.17%
Ti 334.903†	69.4	0.00128 mg/L	0.000726	0.00128 mg/L	0.000726	56.55%
Tl 190.801†	3.0	0.00386 mg/L	0.002731	0.00386 mg/L	0.002731	70.74%
V 292.402†	155.5	0.00035 mg/L	0.000087	0.00035 mg/L	0.000087	24.96%
Zn 206.200†	-8.1	0.00147 mg/L	0.000504	0.00147 mg/L	0.000504	34.39%

Sequence No.: 29
 Sample ID: 16J0341-06

Autosampler Location: 336
 Date Collected: 10/28/2016 2:39:11 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-06

Analyte Back Pressure Flow
 All 149.0 kPa 0.65 L/min

Mean Data: 16J0341-06

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1822515.4	104.1	%	0.33				0.32%
ScR 361.383	205693.8	106.9	%	0.25				0.23%
Ag 328.068†	-87.2	-0.00067	mg/L	0.000386	-0.00067	mg/L	0.000386	57.34%
Al 308.215†	4.2	0.00443	mg/L	0.002057	0.00443	mg/L	0.002057	46.44%
As 188.979†	16.1	0.00814	mg/L	0.001940	0.00814	mg/L	0.001940	23.84%
B 249.677†	1367.6	0.2645	mg/L	0.00341	0.2645	mg/L	0.00341	1.29%
Ba 233.527†	3195.0	0.5357	mg/L	0.00362	0.5357	mg/L	0.00362	0.68%
Be 313.042†	3.5	0.00001	mg/L	0.000064	0.00001	mg/L	0.000064	622.22%
Ca 317.933†	625690.9	87.41	mg/L	0.365	87.41	mg/L	0.365	0.42%
Cd 228.802†	-4.8	-0.00059	mg/L	0.000119	-0.00059	mg/L	0.000119	20.05%
Co 228.616†	86.7	0.00337	mg/L	0.000058	0.00337	mg/L	0.000058	1.73%
Cr 267.716†	7.8	0.00017	mg/L	0.000131	0.00017	mg/L	0.000131	77.14%
Cu 324.752†	14.5	0.00084	mg/L	0.000217	0.00084	mg/L	0.000217	25.75%
Fe 273.955†	21267.6	27.11	mg/L	0.117	27.11	mg/L	0.117	0.43%
K 766.490†	22619.8	18.59	mg/L	0.080	18.59	mg/L	0.080	0.43%
Mg 279.077†	27923.7	34.26	mg/L	0.160	34.26	mg/L	0.160	0.47%
Mn 257.610†	24859.5	0.8362	mg/L	0.00244	0.8362	mg/L	0.00244	0.29%
Mo 202.031†	74.5	0.00351	mg/L	0.000209	0.00351	mg/L	0.000209	5.96%
Na 589.592†	4086837.6	546.1	mg/L	1.72	546.1	mg/L	1.72	0.32%
Na 330.237†	9681.5	575.2	mg/L	0.57	575.2	mg/L	0.57	0.10%
Ni 231.604†	18.6	0.00521	mg/L	0.000534	0.00521	mg/L	0.000534	10.26%
Pb 220.353†	-2.3	-0.00035	mg/L	0.000957	-0.00035	mg/L	0.000957	274.63%
Sb 206.836†	4.4	0.00149	mg/L	0.000734	0.00149	mg/L	0.000734	49.36%
Se 196.026†	18.1	0.01956	mg/L	0.004162	0.01956	mg/L	0.004162	21.28%
Si 288.158†	13063.8	11.13	mg/L	0.015	11.13	mg/L	0.015	0.13%
Sn 189.927†	-108.0	-0.01739	mg/L	0.000499	-0.01739	mg/L	0.000499	2.87%
Sr 421.552†	435633.5	0.8778	mg/L	0.00214	0.8778	mg/L	0.00214	0.24%
Ti 334.903†	98.8	0.00059	mg/L	0.001395	0.00059	mg/L	0.001395	235.53%
Tl 190.801†	9.8	0.00544	mg/L	0.000938	0.00544	mg/L	0.000938	17.23%
V 292.402†	104.5	0.00013	mg/L	0.000068	0.00013	mg/L	0.000068	51.31%
Zn 206.200†	-2.1	0.00149	mg/L	0.000861	0.00149	mg/L	0.000861	57.94%

Sequence No.: 30
 Sample ID: 16J0341-07

Autosampler Location: 337
 Date Collected: 10/28/2016 2:43:43 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-07

Analyte Back Pressure Flow
 All 150.0 kPa 0.65 L/min

Mean Data: 16J0341-07

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1877527.4	107.3	%	0.35			0.33%
ScR 361.383	208112.0	108.1	%	0.45			0.42%
Ag 328.068†	-38.6	-0.00030	mg/L	0.000327	-0.00030 mg/L	0.000327	110.17%
Al 308.215†	11.2	0.01197	mg/L	0.002064	0.01197 mg/L	0.002064	17.24%
As 188.979†	11.3	0.00775	mg/L	0.002574	0.00775 mg/L	0.002574	33.23%
B 249.677†	1244.1	0.2406	mg/L	0.00196	0.2406 mg/L	0.00196	0.82%
Ba 233.527†	279.2	0.04509	mg/L	0.000880	0.04509 mg/L	0.000880	1.95%
Be 313.042†	6.0	0.00002	mg/L	0.000053	0.00002 mg/L	0.000053	302.75%
Ca 317.933†	203033.4	28.36	mg/L	0.057	28.36 mg/L	0.057	0.20%
Cd 228.802†	-1.8	-0.00031	mg/L	0.000039	-0.00031 mg/L	0.000039	12.44%
Co 228.616†	65.6	0.00258	mg/L	0.000154	0.00258 mg/L	0.000154	5.98%
Cr 267.716†	5.1	0.00076	mg/L	0.000505	0.00076 mg/L	0.000505	66.75%
Cu 324.752†	1383.5	0.01017	mg/L	0.000142	0.01017 mg/L	0.000142	1.40%
Fe 273.955†	14119.4	18.00	mg/L	0.147	18.00 mg/L	0.147	0.82%
K 766.490†	41404.7	34.03	mg/L	0.095	34.03 mg/L	0.095	0.28%
Mg 279.077†	11485.3	14.09	mg/L	0.103	14.09 mg/L	0.103	0.73%
Mn 257.610†	23053.9	0.7755	mg/L	0.00576	0.7755 mg/L	0.00576	0.74%
Mo 202.031†	45.5	0.00251	mg/L	0.000113	0.00251 mg/L	0.000113	4.52%
Na 589.592†	424734.4	56.76	mg/L	0.237	56.76 mg/L	0.237	0.42%
Na 330.237†	992.8	58.98	mg/L	0.860	58.98 mg/L	0.860	1.46%
Ni 231.604†	6.1	0.00171	mg/L	0.000791	0.00171 mg/L	0.000791	46.17%
Pb 220.353†	1.7	0.00025	mg/L	0.000775	0.00025 mg/L	0.000775	309.42%
Sb 206.836†	-0.9	-0.00055	mg/L	0.001674	-0.00055 mg/L	0.001674	306.65%
Se 196.026†	22.7	0.02462	mg/L	0.006149	0.02462 mg/L	0.006149	24.97%
Si 288.158†	20598.2	17.55	mg/L	0.144	17.55 mg/L	0.144	0.82%
Sn 189.927†	-60.2	-0.01434	mg/L	0.000206	-0.01434 mg/L	0.000206	1.44%
Sr 421.552†	81044.4	0.1633	mg/L	0.00050	0.1633 mg/L	0.00050	0.30%
Ti 334.903†	107.0	0.00540	mg/L	0.001120	0.00540 mg/L	0.001120	20.72%
Tl 190.801†	7.1	0.00556	mg/L	0.002795	0.00556 mg/L	0.002795	50.25%
V 292.402†	277.9	0.00218	mg/L	0.000332	0.00218 mg/L	0.000332	15.28%
Zn 206.200†	34.5	0.01430	mg/L	0.000269	0.01430 mg/L	0.000269	1.88%

Sequence No.: 31
 Sample ID: 16J0341-08

Autosampler Location: 338
 Date Collected: 10/28/2016 2:47:57 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-08

Analyte Back Pressure Flow
 All 150.0 kPa 0.65 L/min

Mean Data: 16J0341-08

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1883256.0	107.6	%	0.68			0.63%
ScR 361.383	207272.8	107.7	%	0.40			0.37%
Ag 328.068†	-19.7	-0.00015	mg/L	0.000100	-0.00015 mg/L	0.000100	66.24%
Al 308.215†	14.6	0.01555	mg/L	0.004579	0.01555 mg/L	0.004579	29.45%
As 188.979†	11.2	0.00760	mg/L	0.002642	0.00760 mg/L	0.002642	34.78%
B 249.677†	1275.9	0.2468	mg/L	0.00195	0.2468 mg/L	0.00195	0.79%
Ba 233.527†	268.7	0.04331	mg/L	0.000806	0.04331 mg/L	0.000806	1.86%
Be 313.042†	-26.0	-0.00008	mg/L	0.000041	-0.00008 mg/L	0.000041	51.71%
Ca 317.933†	207537.8	28.99	mg/L	0.139	28.99 mg/L	0.139	0.48%
Cd 228.802†	-1.8	-0.00031	mg/L	0.000407	-0.00031 mg/L	0.000407	130.48%
Co 228.616†	59.0	0.00232	mg/L	0.000173	0.00232 mg/L	0.000173	7.47%
Cr 267.716†	9.4	0.00147	mg/L	0.000808	0.00147 mg/L	0.000808	54.79%
Cu 324.752†	-62.2	0.00011	mg/L	0.000071	0.00011 mg/L	0.000071	62.48%
Fe 273.955†	14237.0	18.15	mg/L	0.112	18.15 mg/L	0.112	0.62%
K 766.490†	42386.9	34.83	mg/L	0.125	34.83 mg/L	0.125	0.36%
Mg 279.077†	11776.3	14.44	mg/L	0.087	14.44 mg/L	0.087	0.60%
Mn 257.610†	23570.0	0.7929	mg/L	0.00536	0.7929 mg/L	0.00536	0.68%
Mo 202.031†	48.0	0.00266	mg/L	0.000376	0.00266 mg/L	0.000376	14.11%
Na 589.592†	435160.3	58.15	mg/L	0.068	58.15 mg/L	0.068	0.12%
Na 330.237†	1025.6	60.93	mg/L	0.368	60.93 mg/L	0.368	0.60%
Ni 231.604†	7.1	0.00198	mg/L	0.001814	0.00198 mg/L	0.001814	91.49%
Pb 220.353†	5.6	0.00085	mg/L	0.001258	0.00085 mg/L	0.001258	147.16%
Sb 206.836†	-4.7	-0.00212	mg/L	0.000769	-0.00212 mg/L	0.000769	36.30%
Se 196.026†	4.5	0.00481	mg/L	0.005468	0.00481 mg/L	0.005468	113.59%
Si 288.158†	21099.9	17.98	mg/L	0.101	17.98 mg/L	0.101	0.56%
Sn 189.927†	-53.4	-0.01184	mg/L	0.000420	-0.01184 mg/L	0.000420	3.54%
Sr 421.552†	82989.7	0.1672	mg/L	0.00003	0.1672 mg/L	0.00003	0.02%
Ti 334.903†	74.7	0.00311	mg/L	0.000058	0.00311 mg/L	0.000058	1.86%
Tl 190.801†	1.0	0.00131	mg/L	0.001248	0.00131 mg/L	0.001248	94.94%
V 292.402†	310.7	0.00250	mg/L	0.000254	0.00250 mg/L	0.000254	10.15%
Zn 206.200†	-3.6	0.00239	mg/L	0.000453	0.00239 mg/L	0.000453	18.95%

Sequence No.: 32
Sample ID: 16J0341-09

Autosampler Location: 339
Date Collected: 10/28/2016 2:52:11 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0341-09

Analyte Back Pressure Flow
All 150.0 kPa 0.65 L/min

Mean Data: 16J0341-09

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1914790.5	109.4 %		0.29			0.26%
ScR 361.383	209472.4	108.8 %		0.72			0.66%
Ag 328.068†	15.7	0.00012 mg/L		0.000246	0.00012 mg/L	0.000246	202.52%
Al 308.215†	2.6	0.00275 mg/L		0.012174	0.00275 mg/L	0.012174	443.31%
As 188.979†	1.0	0.00078 mg/L		0.001935	0.00078 mg/L	0.001935	247.42%
B 249.677†	2.6	0.00051 mg/L		0.000316	0.00051 mg/L	0.000316	61.84%
Ba 233.527†	7.2	0.00122 mg/L		0.000072	0.00122 mg/L	0.000072	5.94%
Be 313.042†	-42.4	-0.00013 mg/L		0.000018	-0.00013 mg/L	0.000018	14.30%
Ca 317.933†	230.9	0.03225 mg/L		0.000915	0.03225 mg/L	0.000915	2.84%
Cd 228.802†	-1.8	-0.00011 mg/L		0.000293	-0.00011 mg/L	0.000293	263.11%
Co 228.616†	5.7	0.00023 mg/L		0.000122	0.00023 mg/L	0.000122	52.58%
Cr 267.716†	-0.1	-0.00002 mg/L		0.000023	-0.00002 mg/L	0.000023	107.69%
Cu 324.752†	756.5	0.00526 mg/L		0.000134	0.00526 mg/L	0.000134	2.55%
Fe 273.955†	9.2	0.01167 mg/L		0.002675	0.01167 mg/L	0.002675	22.93%
K 766.490†	88.9	0.07303 mg/L		0.023445	0.07303 mg/L	0.023445	32.10%
Mg 279.077†	10.9	0.01332 mg/L		0.004359	0.01332 mg/L	0.004359	32.72%
Mn 257.610†	11.3	0.00038 mg/L		0.000109	0.00038 mg/L	0.000109	28.60%
Mo 202.031†	2.8	0.00018 mg/L		0.000158	0.00018 mg/L	0.000158	87.70%
Na 589.592†	963.1	0.1287 mg/L		0.01009	0.1287 mg/L	0.01009	7.84%
Na 330.237†	8.2	0.4860 mg/L		0.49549	0.4860 mg/L	0.49549	101.95%
Ni 231.604†	-0.3	-0.00007 mg/L		0.000772	-0.00007 mg/L	0.000772	>999.9%
Pb 220.353†	4.5	0.00067 mg/L		0.001174	0.00067 mg/L	0.001174	176.45%
Sb 206.836†	-3.2	-0.00131 mg/L		0.001740	-0.00131 mg/L	0.001740	132.65%
Se 196.026†	3.5	0.00377 mg/L		0.003699	0.00377 mg/L	0.003699	98.15%
Si 288.158†	-4.7	-0.00399 mg/L		0.004549	-0.00399 mg/L	0.004549	114.00%
Sn 189.927†	1.2	0.00042 mg/L		0.000408	0.00042 mg/L	0.000408	96.17%
Sr 421.552†	44.4	0.00009 mg/L		0.000021	0.00009 mg/L	0.000021	23.95%
Ti 334.903†	-31.4	-0.00219 mg/L		0.001182	-0.00219 mg/L	0.001182	54.04%
Tl 190.801†	0.2	0.00016 mg/L		0.002159	0.00016 mg/L	0.002159	>999.9%
V 292.402†	-5.8	-0.00006 mg/L		0.000159	-0.00006 mg/L	0.000159	284.65%
Zn 206.200†	17.0	0.00536 mg/L		0.000460	0.00536 mg/L	0.000460	8.60%

Sequence No.: 33

Autosampler Location: 340

Sample ID: BEJ0633-DUP1

Date Collected: 10/28/2016 2:56:10 PM

Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0633-DUP1

Analyte Back Pressure Flow
All 150.0 kPa 0.65 L/min

Mean Data: BEJ0633-DUP1

Table with 8 columns: Analyte, Mean Corrected Intensity, Conc., Calib. Units, Std.Dev., Sample Conc. Units, Std.Dev., RSD. Lists various elements like ScA, ScR, Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Si, Sn, Sr, Ti, Tl, V, Zn with their respective values.

Sequence No.: 34
 Sample ID: 16J0247-01

Autosampler Location: 341
 Date Collected: 10/28/2016 3:00:09 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: 16J0247-01

Analyte Back Pressure Flow
 All 149.0 kPa 0.65 L/min

Mean Data: 16J0247-01

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1886430.8	107.8 %	0.72			0.67%
ScR 361.383	209074.7	108.6 %	0.23			0.21%
Ag 328.068†	-21.4	-0.00016 mg/L	0.000392	-0.00016 mg/L	0.000392	238.00%
Al 308.215†	82.2	0.08814 mg/L	0.007781	0.08814 mg/L	0.007781	8.83%
As 188.979†	6.2	0.00485 mg/L	0.001873	0.00485 mg/L	0.001873	38.61%
B 249.677†	37.2	0.00719 mg/L	0.001130	0.00719 mg/L	0.001130	15.72%
Ba 233.527†	47.3	0.00797 mg/L	0.000172	0.00797 mg/L	0.000172	2.16%
Be 313.042†	-37.8	-0.00011 mg/L	0.000027	-0.00011 mg/L	0.000027	23.48%
Ca 317.933†	25370.1	3.544 mg/L	0.0109	3.544 mg/L	0.0109	0.31%
Cd 228.802†	-1.5	-0.00012 mg/L	0.000217	-0.00012 mg/L	0.000217	179.66%
Co 228.616†	3.4	0.00013 mg/L	0.000133	0.00013 mg/L	0.000133	101.18%
Cr 267.716†	6.7	0.00116 mg/L	0.000367	0.00116 mg/L	0.000367	31.74%
Cu 324.752†	998.4	0.00694 mg/L	0.000133	0.00694 mg/L	0.000133	1.92%
Fe 273.955†	80.2	0.1023 mg/L	0.00160	0.1023 mg/L	0.00160	1.56%
K 766.490†	792.8	0.6515 mg/L	0.01044	0.6515 mg/L	0.01044	1.60%
Mg 279.077†	170.7	0.2095 mg/L	0.00158	0.2095 mg/L	0.00158	0.75%
Mn 257.610†	191.5	0.00644 mg/L	0.000220	0.00644 mg/L	0.000220	3.42%
Mo 202.031†	10.7	0.00064 mg/L	0.000346	0.00064 mg/L	0.000346	54.24%
Na 589.592†	5729.9	0.7657 mg/L	0.00443	0.7657 mg/L	0.00443	0.58%
Na 330.237†	35.8	2.121 mg/L	0.2506	2.121 mg/L	0.2506	11.82%
Ni 231.604†	1.6	0.00045 mg/L	0.000085	0.00045 mg/L	0.000085	18.65%
Pb 220.353†	5.3	0.00082 mg/L	0.000966	0.00082 mg/L	0.000966	118.12%
Sb 206.836†	1.1	0.00042 mg/L	0.001846	0.00042 mg/L	0.001846	434.44%
Se 196.026†	2.0	0.00212 mg/L	0.001400	0.00212 mg/L	0.001400	65.88%
Si 288.158†	796.1	0.6782 mg/L	0.00652	0.6782 mg/L	0.00652	0.96%
Sn 189.927†	-7.9	-0.00190 mg/L	0.000209	-0.00190 mg/L	0.000209	10.97%
Sr 421.552†	6797.0	0.01370 mg/L	0.000034	0.01370 mg/L	0.000034	0.25%
Ti 334.903†	16.1	0.00087 mg/L	0.000410	0.00087 mg/L	0.000410	47.28%
Tl 190.801†	1.9	0.00112 mg/L	0.003025	0.00112 mg/L	0.003025	271.27%
V 292.402†	87.6	0.00086 mg/L	0.000102	0.00086 mg/L	0.000102	11.85%
Zn 206.200†	41.6	0.01322 mg/L	0.000688	0.01322 mg/L	0.000688	5.21%

Sequence No.: 35

Autosampler Location: 342

Sample ID: BEJ0633-MS1

Date Collected: 10/28/2016 3:04:08 PM

Dilution: 1.000000X

Data Type: Original

Nebulizer Parameters: BEJ0633-MS1

Analyte	Back Pressure	Flow
All	149.0 kPa	0.65 L/min

Mean Data: BEJ0633-MS1

Analyte	Mean Corrected Intensity	Conc. Units	Calib.	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1873757.1	107.0	%	0.53			0.50%
ScR 361.383	206077.0	107.1	%	0.19			0.18%
Ag 328.068†	66120.9	0.5104	mg/L	0.00432	0.5104 mg/L	0.00432	0.85%
Al 308.215†	2005.2	2.145	mg/L	0.0062	2.145 mg/L	0.0062	0.29%
As 188.979†	2508.9	2.045	mg/L	0.0159	2.045 mg/L	0.0159	0.78%
B 249.677†	25.9	0.00365	mg/L	0.001005	0.00365 mg/L	0.001005	27.54%
Ba 233.527†	12098.9	2.039	mg/L	0.0044	2.039 mg/L	0.0044	0.22%
Be 313.042†	167454.7	0.5079	mg/L	0.00391	0.5079 mg/L	0.00391	0.77%
Ca 317.933†	98849.3	13.81	mg/L	0.074	13.81 mg/L	0.074	0.53%
Cd 228.802†	8772.8	0.4955	mg/L	0.00256	0.4955 mg/L	0.00256	0.52%
Co 228.616†	12613.8	0.4987	mg/L	0.00325	0.4987 mg/L	0.00325	0.65%
Cr 267.716†	2954.3	0.5105	mg/L	0.00092	0.5105 mg/L	0.00092	0.18%
Cu 324.752†	71538.3	0.4976	mg/L	0.00417	0.4976 mg/L	0.00417	0.84%
Fe 273.955†	1729.2	2.200	mg/L	0.0096	2.200 mg/L	0.0096	0.44%
K 766.490†	13584.9	11.16	mg/L	0.051	11.16 mg/L	0.051	0.45%
Mg 279.077†	8766.9	10.76	mg/L	0.054	10.76 mg/L	0.054	0.51%
Mn 257.610†	14914.8	0.5023	mg/L	0.00186	0.5023 mg/L	0.00186	0.37%
Mo 202.031†	24.3	0.00136	mg/L	0.000102	0.00136 mg/L	0.000102	7.49%
Na 589.592†	81802.0	10.93	mg/L	0.051	10.93 mg/L	0.051	0.47%
Na 330.237†	207.4	12.13	mg/L	0.367	12.13 mg/L	0.367	3.02%
Ni 231.604†	1837.1	0.5129	mg/L	0.00198	0.5129 mg/L	0.00198	0.39%
Pb 220.353†	13230.9	1.999	mg/L	0.0173	1.999 mg/L	0.0173	0.87%
Sb 206.836†	10.0	-0.00205	mg/L	0.001790	-0.00205 mg/L	0.001790	87.24%
Se 196.026†	1894.5	2.050	mg/L	0.0139	2.050 mg/L	0.0139	0.68%
Si 288.158†	795.0	0.6802	mg/L	0.00613	0.6802 mg/L	0.00613	0.90%
Sn 189.927†	-34.0	-0.00852	mg/L	0.000480	-0.00852 mg/L	0.000480	5.63%
Sr 421.552†	255980.1	0.5158	mg/L	0.00241	0.5158 mg/L	0.00241	0.47%
Ti 334.903†	46.9	0.00215	mg/L	0.000118	0.00215 mg/L	0.000118	5.49%
Tl 190.801†	2975.6	2.030	mg/L	0.0157	2.030 mg/L	0.0157	0.77%
V 292.402†	51795.6	0.5125	mg/L	0.00320	0.5125 mg/L	0.00320	0.62%
Zn 206.200†	1660.4	0.5221	mg/L	0.00316	0.5221 mg/L	0.00316	0.61%

Sequence No.: 36
 Sample ID: BEJ0633-BS1

Autosampler Location: 343
 Date Collected: 10/28/2016 3:08:07 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0633-BS1

Analyte	Back Pressure	Flow
All	150.0 kPa	0.65 L/min

Mean Data: BEJ0633-BS1

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1856758.6	106.1 %	0.13			0.12%
ScR 361.383	205208.8	106.6 %	0.68			0.64%
Ag 328.068†	67557.9	0.5215 mg/L	0.00098	0.5215 mg/L	0.00098	0.19%
Al 308.215†	1956.3	2.092 mg/L	0.0125	2.092 mg/L	0.0125	0.60%
As 188.979†	2544.8	2.074 mg/L	0.0038	2.074 mg/L	0.0038	0.18%
B 249.677†	2.5	-0.00090 mg/L	0.001695	-0.00090 mg/L	0.001695	187.90%
Ba 233.527†	12159.4	2.050 mg/L	0.0150	2.050 mg/L	0.0150	0.73%
Be 313.042†	168001.3	0.5096 mg/L	0.00069	0.5096 mg/L	0.00069	0.14%
Ca 317.933†	73351.4	10.25 mg/L	0.024	10.25 mg/L	0.024	0.24%
Cd 228.802†	8951.0	0.5056 mg/L	0.00129	0.5056 mg/L	0.00129	0.26%
Co 228.616†	12865.9	0.5086 mg/L	0.00133	0.5086 mg/L	0.00133	0.26%
Cr 267.716†	2972.7	0.5137 mg/L	0.00384	0.5137 mg/L	0.00384	0.75%
Cu 324.752†	71852.6	0.4997 mg/L	0.00085	0.4997 mg/L	0.00085	0.17%
Fe 273.955†	1665.7	2.119 mg/L	0.0079	2.119 mg/L	0.0079	0.37%
K 766.490†	13049.8	10.72 mg/L	0.053	10.72 mg/L	0.053	0.49%
Mg 279.077†	8660.6	10.63 mg/L	0.072	10.63 mg/L	0.072	0.68%
Mn 257.610†	14809.9	0.4987 mg/L	0.00287	0.4987 mg/L	0.00287	0.58%
Mo 202.031†	19.7	0.00112 mg/L	0.000327	0.00112 mg/L	0.000327	29.32%
Na 589.592†	77177.5	10.31 mg/L	0.023	10.31 mg/L	0.023	0.22%
Na 330.237†	193.9	11.33 mg/L	0.195	11.33 mg/L	0.195	1.72%
Ni 231.604†	1850.5	0.5166 mg/L	0.00386	0.5166 mg/L	0.00386	0.75%
Pb 220.353†	13483.0	2.037 mg/L	0.0099	2.037 mg/L	0.0099	0.49%
Sb 206.836†	9.8	-0.00213 mg/L	0.001510	-0.00213 mg/L	0.001510	71.05%
Se 196.026†	1928.5	2.087 mg/L	0.0038	2.087 mg/L	0.0038	0.18%
Si 288.158†	3.5	0.00603 mg/L	0.004292	0.00603 mg/L	0.004292	71.19%
Sn 189.927†	-27.8	-0.00719 mg/L	0.000548	-0.00719 mg/L	0.000548	7.63%
Sr 421.552†	251485.7	0.5068 mg/L	0.00100	0.5068 mg/L	0.00100	0.20%
Ti 334.903†	7.7	-0.00032 mg/L	0.000188	-0.00032 mg/L	0.000188	58.39%
Tl 190.801†	3024.2	2.064 mg/L	0.0029	2.064 mg/L	0.0029	0.14%
V 292.402†	52610.7	0.5206 mg/L	0.00068	0.5206 mg/L	0.00068	0.13%
Zn 206.200†	1632.6	0.5132 mg/L	0.00433	0.5132 mg/L	0.00433	0.84%

Sequence No.: 37
Sample ID: SEQ-CCV6

Autosampler Location: 7
Date Collected: 10/28/2016 3:12:06 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-CCV6

Analyte Back Pressure Flow
All 150.0 kPa 0.65 L/min

Mean Data: SEQ-CCV6

Analyte	Mean Corrected Intensity	Calib. Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1858893.4	106.2 %	0.57			0.54%
ScR 361.383	203372.4	105.7 %	0.58			0.55%
Ag 328.068†	133258.2	1.029 mg/L	0.0073	1.029 mg/L	0.0073	0.71%
Al 308.215†	1969.3	2.081 mg/L	0.0023	2.081 mg/L	0.0023	0.11%
As 188.979†	2480.1	2.049 mg/L	0.0246	2.049 mg/L	0.0246	1.20%
B 249.677†	5200.1	1.004 mg/L	0.0041	1.004 mg/L	0.0041	0.41%
Ba 233.527†	6097.9	1.028 mg/L	0.0052	1.028 mg/L	0.0052	0.50%
Be 313.042†	334235.9	1.014 mg/L	0.0043	1.014 mg/L	0.0043	0.42%
Ca 317.933†	15240.0	2.129 mg/L	0.0083	2.129 mg/L	0.0083	0.39%
Cd 228.802†	17424.2	0.9966 mg/L	0.00838	0.9966 mg/L	0.00838	0.84%
Co 228.616†	25263.4	0.9973 mg/L	0.00667	0.9973 mg/L	0.00667	0.67%
Cr 267.716†	5942.8	1.029 mg/L	0.0038	1.029 mg/L	0.0038	0.36%
Cu 324.752†	141254.7	0.9819 mg/L	0.00640	0.9819 mg/L	0.00640	0.65%
Fe 273.955†	1632.1	2.072 mg/L	0.0124	2.072 mg/L	0.0124	0.60%
K 766.490†	25849.2	21.24 mg/L	0.122	21.24 mg/L	0.122	0.57%
Mg 279.077†	1699.8	2.094 mg/L	0.0195	2.094 mg/L	0.0195	0.93%
Mn 257.610†	28277.7	0.9519 mg/L	0.00516	0.9519 mg/L	0.00516	0.54%
Mo 202.031†	15042.7	0.9685 mg/L	0.00781	0.9685 mg/L	0.00781	0.81%
Na 589.592†	381177.5	50.94 mg/L	0.197	50.94 mg/L	0.197	0.39%
Na 330.237†	911.9	54.02 mg/L	0.391	54.02 mg/L	0.391	0.72%
Ni 231.604†	3698.8	1.035 mg/L	0.0062	1.035 mg/L	0.0062	0.60%
Pb 220.353†	13194.8	1.994 mg/L	0.0154	1.994 mg/L	0.0154	0.77%
Sb 206.836†	5065.3	2.098 mg/L	0.0210	2.098 mg/L	0.0210	1.00%
Se 196.026†	1903.4	2.059 mg/L	0.0223	2.059 mg/L	0.0223	1.08%
Si 288.158†	2452.3	2.086 mg/L	0.0099	2.086 mg/L	0.0099	0.47%
Sn 189.927†	2891.9	1.000 mg/L	0.0077	1.000 mg/L	0.0077	0.77%
Sr 421.552†	506768.3	1.021 mg/L	0.0030	1.021 mg/L	0.0030	0.30%
Ti 334.903†	14366.3	0.9984 mg/L	0.00301	0.9984 mg/L	0.00301	0.30%
Tl 190.801†	2961.5	2.018 mg/L	0.0240	2.018 mg/L	0.0240	1.19%
V 292.402†	101912.3	1.008 mg/L	0.0059	1.008 mg/L	0.0059	0.59%
Zn 206.200†	3323.0	1.045 mg/L	0.0080	1.045 mg/L	0.0080	0.76%

Sequence No.: 38
Sample ID: SEQ-CCB6

Autosampler Location: 1
Date Collected: 10/28/2016 3:16:07 PM
Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: SEQ-CCB6

Analyte	Back Pressure	Flow
All	150.0 kPa	0.65 L/min

Mean Data: SEQ-CCB6

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1862333.0	106.4	%	0.19				0.17%
ScR 361.383	207104.0	107.6	%	0.77				0.72%
Ag 328.068†	-18.8	-0.00015	mg/L	0.000325	-0.00015	mg/L	0.000325	223.30%
Al 308.215†	3.4	0.00367	mg/L	0.001631	0.00367	mg/L	0.001631	44.43%
As 188.979†	2.5	0.00203	mg/L	0.002618	0.00203	mg/L	0.002618	128.90%
B 249.677†	10.7	0.00206	mg/L	0.001824	0.00206	mg/L	0.001824	88.31%
Ba 233.527†	4.6	0.00077	mg/L	0.000727	0.00077	mg/L	0.000727	93.88%
Be 313.042†	-36.4	-0.00011	mg/L	0.000103	-0.00011	mg/L	0.000103	93.56%
Ca 317.933†	26.1	0.00364	mg/L	0.001115	0.00364	mg/L	0.001115	30.62%
Cd 228.802†	-2.3	-0.00015	mg/L	0.000071	-0.00015	mg/L	0.000071	48.63%
Co 228.616†	4.5	0.00018	mg/L	0.000065	0.00018	mg/L	0.000065	36.44%
Cr 267.716†	4.4	0.00075	mg/L	0.000674	0.00075	mg/L	0.000674	89.37%
Cu 324.752†	-13.2	-0.00009	mg/L	0.000003	-0.00009	mg/L	0.000003	2.73%
Fe 273.955†	6.0	0.00759	mg/L	0.001394	0.00759	mg/L	0.001394	18.36%
K 766.490†	47.6	0.03916	mg/L	0.018999	0.03916	mg/L	0.018999	48.52%
Mg 279.077†	4.5	0.00550	mg/L	0.002479	0.00550	mg/L	0.002479	45.10%
Mn 257.610†	0.4	0.00001	mg/L	0.000184	0.00001	mg/L	0.000184	>999.9%
Mo 202.031†	6.2	0.00040	mg/L	0.000254	0.00040	mg/L	0.000254	63.92%
Na 589.592†	201.7	0.02696	mg/L	0.001578	0.02696	mg/L	0.001578	5.86%
Na 330.237†	16.1	0.9589	mg/L	0.81382	0.9589	mg/L	0.81382	84.87%
Ni 231.604†	-0.7	-0.00018	mg/L	0.002042	-0.00018	mg/L	0.002042	>999.9%
Pb 220.353†	6.8	0.00103	mg/L	0.000845	0.00103	mg/L	0.000845	81.66%
Sb 206.836†	-3.3	-0.00139	mg/L	0.001586	-0.00139	mg/L	0.001586	113.97%
Se 196.026†	1.0	0.00104	mg/L	0.002391	0.00104	mg/L	0.002391	230.82%
Si 288.158†	-1.9	-0.00165	mg/L	0.000633	-0.00165	mg/L	0.000633	38.45%
Sn 189.927†	0.0	0.00002	mg/L	0.000096	0.00002	mg/L	0.000096	600.88%
Sr 421.552†	10.5	0.00002	mg/L	0.000013	0.00002	mg/L	0.000013	63.45%
Ti 334.903†	-15.2	-0.00105	mg/L	0.000187	-0.00105	mg/L	0.000187	17.76%
Tl 190.801†	1.1	0.00078	mg/L	0.001051	0.00078	mg/L	0.001051	134.12%
V 292.402†	-25.1	-0.00024	mg/L	0.000135	-0.00024	mg/L	0.000135	55.54%
Zn 206.200†	0.6	0.00020	mg/L	0.000218	0.00020	mg/L	0.000218	108.55%

Sequence No.: 39
 Sample ID: BEJ0643-BLK1

Autosampler Location: 344
 Date Collected: 10/28/2016 3:20:07 PM
 Data Type: Original

Dilution: 1.000000X

Nebulizer Parameters: BEJ0643-BLK1

Analyte Back Pressure Flow
 All 150.0 kPa 0.65 L/min

Mean Data: BEJ0643-BLK1

Analyte	Mean Corrected		Calib. Conc. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity				Conc. Units	Std.Dev.		
ScA 357.253	1910386.7		109.1 %	0.26				0.24%
ScR 361.383	211148.1		109.7 %	0.25				0.23%
Ag 328.068†	-46.2	-0.00036	mg/L	0.000195	-0.00036	mg/L	0.000195	54.67%
Al 308.215†	5.3	0.00570	mg/L	0.005904	0.00570	mg/L	0.005904	103.56%
As 188.979†	1.0	0.00078	mg/L	0.001612	0.00078	mg/L	0.001612	207.72%
B 249.677†	-5.0	-0.00096	mg/L	0.000360	-0.00096	mg/L	0.000360	37.47%
Ba 233.527†	6.2	0.00105	mg/L	0.000818	0.00105	mg/L	0.000818	78.16%
Be 313.042†	-30.6	-0.00009	mg/L	0.000075	-0.00009	mg/L	0.000075	80.39%
Ca 317.933†	36.3	0.00507	mg/L	0.000873	0.00507	mg/L	0.000873	17.23%
Cd 228.802†	1.8	0.00010	mg/L	0.000112	0.00010	mg/L	0.000112	112.31%
Co 228.616†	8.2	0.00033	mg/L	0.000094	0.00033	mg/L	0.000094	28.63%
Cr 267.716†	7.3	0.00127	mg/L	0.000134	0.00127	mg/L	0.000134	10.61%
Cu 324.752†	-16.3	-0.00011	mg/L	0.000108	-0.00011	mg/L	0.000108	95.38%
Fe 273.955†	6.6	0.00840	mg/L	0.002481	0.00840	mg/L	0.002481	29.55%
K 766.490†	49.2	0.04046	mg/L	0.030843	0.04046	mg/L	0.030843	76.24%
Mg 279.077†	7.3	0.00898	mg/L	0.004366	0.00898	mg/L	0.004366	48.64%
Mn 257.610†	4.0	0.00013	mg/L	0.000111	0.00013	mg/L	0.000111	82.50%
Mo 202.031†	1.5	0.00009	mg/L	0.000224	0.00009	mg/L	0.000224	236.42%
Na 589.592†	353.9	0.04729	mg/L	0.014535	0.04729	mg/L	0.014535	30.73%
Na 330.237†	13.4	0.7930	mg/L	0.38431	0.7930	mg/L	0.38431	48.46%
Ni 231.604†	1.3	0.00035	mg/L	0.001467	0.00035	mg/L	0.001467	419.37%
Pb 220.353†	4.6	0.00071	mg/L	0.000848	0.00071	mg/L	0.000848	120.16%
Sb 206.836†	-9.2	-0.00384	mg/L	0.002466	-0.00384	mg/L	0.002466	64.14%
Se 196.026†	-0.1	-0.00011	mg/L	0.004660	-0.00011	mg/L	0.004660	>999.9%
Si 288.158†	-11.9	-0.01012	mg/L	0.001445	-0.01012	mg/L	0.001445	14.29%
Sn 189.927†	-0.2	-0.00007	mg/L	0.001012	-0.00007	mg/L	0.001012	>999.9%
Sr 421.552†	-34.3	-0.00007	mg/L	0.000018	-0.00007	mg/L	0.000018	25.74%
Ti 334.903†	-15.7	-0.00109	mg/L	0.000692	-0.00109	mg/L	0.000692	63.31%
Tl 190.801†	1.5	0.00101	mg/L	0.001628	0.00101	mg/L	0.001628	161.74%
V 292.402†	-27.8	-0.00027	mg/L	0.000168	-0.00027	mg/L	0.000168	62.59%
Zn 206.200†	4.2	0.00132	mg/L	0.000828	0.00132	mg/L	0.000828	62.61%

Sequence No.: 40
Sample ID: BEJ0795-BLK1

Autosampler Location: 345
Date Collected: 10/28/2016 3:24:07 PM
Data Type: Original

Dilution: 2.000000X

Nebulizer Parameters: BEJ0795-BLK1

Analyte Back Pressure Flow
All 149.0 kPa 0.65 L/min

Mean Data: BEJ0795-BLK1

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1875964.6	107.2	%	0.26			0.24%
ScR 361.383	208168.0	108.1	%	0.62			0.57%
Ag 328.068†	30.2	0.00023	mg/L	0.000054	0.00047 mg/L	0.000108	23.25%
Al 308.215†	10.4	0.01112	mg/L	0.006050	0.02224 mg/L	0.012100	54.40%
As 188.979†	1.1	0.00085	mg/L	0.002959	0.00170 mg/L	0.005919	348.08%
B 249.677†	1.2	0.00022	mg/L	0.000123	0.00045 mg/L	0.000246	54.97%
Ba 233.527†	3.5	0.00059	mg/L	0.000319	0.00119 mg/L	0.000637	53.64%
Be 313.042†	-46.7	-0.00014	mg/L	0.000039	-0.00028 mg/L	0.000079	27.81%
Ca 317.933†	51.7	0.00722	mg/L	0.001055	0.01444 mg/L	0.002109	14.60%
Cd 228.802†	-2.6	-0.00016	mg/L	0.000182	-0.00031 mg/L	0.000364	116.25%
Co 228.616†	3.1	0.00013	mg/L	0.000083	0.00025 mg/L	0.000166	65.40%
Cr 267.716†	4.9	0.00086	mg/L	0.001321	0.00172 mg/L	0.002641	153.92%
Cu 324.752†	19.3	0.00013	mg/L	0.000180	0.00027 mg/L	0.000359	133.90%
Fe 273.955†	5.2	0.00659	mg/L	0.002310	0.01317 mg/L	0.004620	35.07%
K 766.490†	33.3	0.02736	mg/L	0.022288	0.05472 mg/L	0.044576	81.46%
Mg 279.077†	4.7	0.00575	mg/L	0.006570	0.01149 mg/L	0.013140	114.32%
Mn 257.610†	0.7	0.00002	mg/L	0.000179	0.00005 mg/L	0.000358	749.95%
Mo 202.031†	2.7	0.00018	mg/L	0.000069	0.00035 mg/L	0.000137	39.05%
Na 589.592†	184.0	0.02458	mg/L	0.001907	0.04917 mg/L	0.003813	7.76%
Na 330.237†	14.8	0.8803	mg/L	0.47497	1.761 mg/L	0.9499	53.96%
Ni 231.604†	-7.4	-0.00207	mg/L	0.001753	-0.00413 mg/L	0.003506	84.88%
Pb 220.353†	-1.8	-0.00026	mg/L	0.001011	-0.00053 mg/L	0.002022	383.06%
Sb 206.836†	-4.2	-0.00176	mg/L	0.001486	-0.00352 mg/L	0.002972	84.43%
Se 196.026†	2.2	0.00239	mg/L	0.003048	0.00478 mg/L	0.006096	127.64%
Si 288.158†	-2.8	-0.00234	mg/L	0.004140	-0.00468 mg/L	0.008280	177.09%
Sn 189.927†	-0.5	-0.00018	mg/L	0.001144	-0.00036 mg/L	0.002288	638.75%
Sr 421.552†	-9.1	-0.00002	mg/L	0.000018	-0.00004 mg/L	0.000035	95.86%
Ti 334.903†	-16.2	-0.00113	mg/L	0.000108	-0.00226 mg/L	0.000217	9.59%
Tl 190.801†	0.0	0.00002	mg/L	0.003412	0.00005 mg/L	0.006824	>999.9%
V 292.402†	-28.6	-0.00028	mg/L	0.000370	-0.00056 mg/L	0.000740	133.22%
Zn 206.200†	2.2	0.00068	mg/L	0.001272	0.00137 mg/L	0.002545	186.18%

Sequence No.: 41
 Sample ID: 16J0433-03

Autosampler Location: 346
 Date Collected: 10/28/2016 3:28:06 PM
 Data Type: Original

Dilution: 5.000000X

Nebulizer Parameters: 16J0433-03

Analyte Back Pressure Flow
 All 149.0 kPa 0.65 L/min

Mean Data: 16J0433-03

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1620567.8	92.58	%	0.458			0.49%
ScR 361.383	188324.0	97.83	%	0.417			0.43%
Ag 328.068†	-63.0	-0.00049	mg/L	0.000040	-0.00243 mg/L	0.000199	8.20%
Al 308.215†	-6.4	-0.00704	mg/L	0.007829	-0.03519 mg/L	0.039143	111.25%
As 188.979†	16.8	0.01020	mg/L	0.002807	0.05101 mg/L	0.014033	27.51%
B 249.677†	3940.6	0.7622	mg/L	0.00784	3.811 mg/L	0.0392	1.03%
Ba 233.527†	47.2	0.00796	mg/L	0.000974	0.03979 mg/L	0.004868	12.23%
Be 313.042†	44.1	0.00013	mg/L	0.000032	0.00067 mg/L	0.000162	24.29%
Ca 317.933†	436636.5	61.00	mg/L	0.054	305.0 mg/L	0.27	0.09%
Cd 228.802†	1.1	-0.00002	mg/L	0.000180	-0.00011 mg/L	0.000898	807.07%
Co 228.616†	-3.0	-0.00013	mg/L	0.000128	-0.00063 mg/L	0.000641	102.02%
Cr 267.716†	76.3	-0.00183	mg/L	0.000555	-0.00917 mg/L	0.002773	30.24%
Cu 324.752†	390.6	-0.00002	mg/L	0.000126	-0.00012 mg/L	0.000631	523.52%
Fe 273.955†	15.8	0.02017	mg/L	0.002712	0.1008 mg/L	0.01356	13.45%
K 766.490†	82512.3	67.81	mg/L	0.384	339.0 mg/L	1.92	0.57%
Mg 279.077†	161773.9	198.6	mg/L	1.78	993.0 mg/L	8.89	0.90%
Mn 257.610†	211.2	0.00547	mg/L	0.000170	0.02733 mg/L	0.000852	3.12%
Mo 202.031†	96.8	0.00534	mg/L	0.000347	0.02668 mg/L	0.001734	6.50%
Na 589.592†	14020841.6	1874	mg/L	9.83	9368 mg/L	49.15	0.52%
Na 330.237†	34169.7	2030	mg/L	15.34	10150 mg/L	76.71	0.76%
Ni 231.604†	1.7	0.00047	mg/L	0.001031	0.00234 mg/L	0.005156	220.80%
Pb 220.353†	-8.3	-0.00123	mg/L	0.000441	-0.00614 mg/L	0.002206	35.91%
Sb 206.836†	2.6	0.00056	mg/L	0.004253	0.00281 mg/L	0.021266	756.84%
Se 196.026†	18.2	0.01969	mg/L	0.000594	0.09845 mg/L	0.002968	3.01%
Si 288.158†	-32.2	-0.00010	mg/L	0.003682	-0.00051 mg/L	0.018410	>999.9%
Sn 189.927†	-101.7	-0.02125	mg/L	0.000074	-0.1063 mg/L	0.00037	0.35%
Sr 421.552†	1123162.8	2.263	mg/L	0.0052	11.32 mg/L	0.026	0.23%
Ti 334.903†	69.6	0.00045	mg/L	0.001305	0.00226 mg/L	0.006526	288.34%
Tl 190.801†	-0.8	-0.00369	mg/L	0.003400	-0.01846 mg/L	0.017002	92.08%
V 292.402†	33.8	0.00039	mg/L	0.000417	0.00197 mg/L	0.002087	106.20%
Zn 206.200†	-4.1	-0.00128	mg/L	0.000570	-0.00642 mg/L	0.002849	44.34%

Sequence No.: 42

Sample ID: 16J0433-04

Autosampler Location: 347

Date Collected: 10/28/2016 3:32:44 PM

Data Type: Original

Dilution: 5.000000X

Nebulizer Parameters: 16J0433-04

Analyte	Back Pressure	Flow
All	152.0 kPa	0.65 L/min

Mean Data: 16J0433-04

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1636510.4	93.49	%	0.263				0.28%
ScR 361.383	191022.1	99.24	%	1.724				1.74%
Ag 328.068†	-80.9	-0.00062	mg/L	0.000082	-0.00312	mg/L	0.000410	13.15%
Al 308.215†	-4.8	-0.00527	mg/L	0.002537	-0.02636	mg/L	0.012683	48.12%
As 188.979†	23.6	0.01510	mg/L	0.004062	0.07551	mg/L	0.020311	26.90%
B 249.677†	3876.0	0.7497	mg/L	0.00648	3.749	mg/L	0.0324	0.86%
Ba 233.527†	14.6	0.00246	mg/L	0.000375	0.01228	mg/L	0.001875	15.27%
Be 313.042†	51.4	0.00016	mg/L	0.000062	0.00078	mg/L	0.000309	39.73%
Ca 317.933†	521076.3	72.79	mg/L	0.347	364.0	mg/L	1.73	0.48%
Cd 228.802†	-0.9	-0.00017	mg/L	0.000178	-0.00085	mg/L	0.000890	104.34%
Co 228.616†	-0.3	-0.00002	mg/L	0.000207	-0.00012	mg/L	0.001037	833.16%
Cr 267.716†	94.3	-0.00073	mg/L	0.001047	-0.00363	mg/L	0.005235	144.11%
Cu 324.752†	410.9	-0.00009	mg/L	0.000039	-0.00046	mg/L	0.000193	41.98%
Fe 273.955†	21.3	0.02717	mg/L	0.003505	0.1358	mg/L	0.01753	12.90%
K 766.490†	91215.6	74.96	mg/L	0.292	374.8	mg/L	1.46	0.39%
Mg 279.077†	183526.8	225.3	mg/L	0.76	1127	mg/L	3.80	0.34%
Mn 257.610†	68.4	0.00045	mg/L	0.000124	0.00223	mg/L	0.000621	27.91%
Mo 202.031†	131.9	0.00742	mg/L	0.000325	0.03712	mg/L	0.001627	4.38%
Na 589.592†	13502451.2	1804	mg/L	22.63	9022	mg/L	113.14	1.25%
Na 330.237†	32990.3	1960	mg/L	14.82	9800	mg/L	74.09	0.76%
Ni 231.604†	-4.9	-0.00138	mg/L	0.000620	-0.00689	mg/L	0.003102	45.05%
Pb 220.353†	-8.2	-0.00122	mg/L	0.000982	-0.00610	mg/L	0.004908	80.41%
Sb 206.836†	-0.6	-0.00083	mg/L	0.001149	-0.00417	mg/L	0.005746	137.74%
Se 196.026†	18.8	0.02038	mg/L	0.005463	0.1019	mg/L	0.02731	26.81%
Si 288.158†	386.7	0.3604	mg/L	0.00622	1.802	mg/L	0.0311	1.73%
Sn 189.927†	-104.2	-0.01942	mg/L	0.001320	-0.09711	mg/L	0.006598	6.79%
Sr 421.552†	667154.9	1.344	mg/L	0.0053	6.722	mg/L	0.0266	0.40%
Ti 334.903†	99.8	0.00171	mg/L	0.000731	0.00853	mg/L	0.003656	42.89%
Tl 190.801†	-0.5	-0.00407	mg/L	0.003199	-0.02035	mg/L	0.015995	78.61%
V 292.402†	63.5	0.00070	mg/L	0.000296	0.00349	mg/L	0.001479	42.35%
Zn 206.200†	-5.9	-0.00179	mg/L	0.000738	-0.00893	mg/L	0.003688	41.29%

Sequence No.: 43
 Sample ID: 16J0342-03

Autosampler Location: 348
 Date Collected: 10/28/2016 3:37:21 PM
 Data Type: Original

Dilution: 5.000000X

Nebulizer Parameters: 16J0342-03

Analyte Back Pressure Flow
 All 152.0 kPa 0.65 L/min

Mean Data: 16J0342-03

Analyte	Mean Corrected Intensity	Conc. Units	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1888120.4	107.9 %	%	0.08			0.07%
ScR 361.383	210222.6	109.2 %	%	1.17			1.07%
Ag 328.068†	-8.6	-0.00002 mg/L	mg/L	0.000338	-0.00012 mg/L	0.001690	>999.9%
Al 308.215†	35867.9	38.49 mg/L	mg/L	0.128	192.4 mg/L	0.64	0.33%
As 188.979†	-91.0	0.00774 mg/L	mg/L	0.001215	0.03869 mg/L	0.006077	15.71%
B 249.677†	99.4	0.01847 mg/L	mg/L	0.002185	0.09237 mg/L	0.010924	11.83%
Ba 233.527†	1433.4	0.2337 mg/L	mg/L	0.00129	1.168 mg/L	0.0064	0.55%
Be 313.042†	173.9	0.00049 mg/L	mg/L	0.000047	0.00247 mg/L	0.000237	9.60%
Ca 317.933†	200556.6	28.02 mg/L	mg/L	0.106	140.1 mg/L	0.53	0.38%
Cd 228.802†	11.0	0.00098 mg/L	mg/L	0.000125	0.00488 mg/L	0.000627	12.85%
Co 228.616†	1255.6	0.04461 mg/L	mg/L	0.000256	0.2231 mg/L	0.00128	0.57%
Cr 267.716†	587.7	0.1003 mg/L	mg/L	0.00145	0.5014 mg/L	0.00726	1.45%
Cu 324.752†	10692.7	0.07685 mg/L	mg/L	0.000789	0.3842 mg/L	0.00395	1.03%
Fe 273.955†	56545.5	72.07 mg/L	mg/L	0.083	360.4 mg/L	0.42	0.12%
K 766.490†	4460.6	3.666 mg/L	mg/L	0.0052	18.33 mg/L	0.026	0.14%
Mg 279.077†	57092.6	70.04 mg/L	mg/L	0.303	350.2 mg/L	1.51	0.43%
Mn 257.610†	33887.7	1.140 mg/L	mg/L	0.0017	5.698 mg/L	0.0083	0.15%
Mo 202.031†	89.4	0.00534 mg/L	mg/L	0.000152	0.02670 mg/L	0.000761	2.85%
Na 589.592†	15373.1	2.054 mg/L	mg/L	0.0938	10.27 mg/L	0.469	4.57%
Na 330.237†	31.6	2.438 mg/L	mg/L	0.1890	12.19 mg/L	0.945	7.75%
Ni 231.604†	1910.8	0.5344 mg/L	mg/L	0.00500	2.672 mg/L	0.0250	0.94%
Pb 220.353†	473.4	0.08112 mg/L	mg/L	0.001185	0.4056 mg/L	0.00593	1.46%
Sb 206.836†	10.0	0.00461 mg/L	mg/L	0.001590	0.02307 mg/L	0.007952	34.47%
Se 196.026†	19.8	0.01731 mg/L	mg/L	0.004921	0.08654 mg/L	0.024605	28.43%
Si 288.158†	506.0	0.4205 mg/L	mg/L	0.00620	2.102 mg/L	0.0310	1.47%
Sn 189.927†	-51.4	-0.01077 mg/L	mg/L	0.001235	-0.05386 mg/L	0.006174	11.46%
Sr 421.552†	78284.7	0.1577 mg/L	mg/L	0.00044	0.7887 mg/L	0.00221	0.28%
Ti 334.903†	38884.2	2.704 mg/L	mg/L	0.0082	13.52 mg/L	0.041	0.30%
Tl 190.801†	-11.0	0.00010 mg/L	mg/L	0.004960	0.00051 mg/L	0.024802	>999.9%
V 292.402†	14472.5	0.1388 mg/L	mg/L	0.00133	0.6942 mg/L	0.00667	0.96%
Zn 206.200†	687.7	0.2162 mg/L	mg/L	0.00078	1.081 mg/L	0.0039	0.36%

Sequence No.: 44

Autosampler Location: 349

Sample ID: 16J0342-02

Date Collected: 10/28/2016 3:41:20 PM

Dilution: 2.000000X

Data Type: Original

Nebulizer Parameters: 16J0342-02

Analyte	Back Pressure	Flow
All	152.0 kPa	0.65 L/min

Mean Data: 16J0342-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
ScA 357.253	1897273.3	108.4	%	0.61			0.57%
ScR 361.383	212561.0	110.4	%	0.47			0.42%
Ag 328.068†	-62.7	-0.00038	mg/L	0.000325	-0.00076 mg/L	0.000649	85.38%
Al 308.215†	92090.8	98.81	mg/L	0.421	197.6 mg/L	0.84	0.43%
As 188.979†	-212.1	0.02708	mg/L	0.002145	0.05416 mg/L	0.004291	7.92%
B 249.677†	116.3	0.02075	mg/L	0.001151	0.04150 mg/L	0.002301	5.54%
Ba 233.527†	3431.1	0.5611	mg/L	0.00108	1.122 mg/L	0.0022	0.19%
Be 313.042†	481.6	0.00138	mg/L	0.000015	0.00275 mg/L	0.000030	1.09%
Ca 317.933†	403981.5	56.44	mg/L	0.276	112.9 mg/L	0.55	0.49%
Cd 228.802†	37.0	0.00222	mg/L	0.000276	0.00443 mg/L	0.000553	12.47%
Co 228.616†	2032.4	0.06821	mg/L	0.000332	0.1364 mg/L	0.00066	0.49%
Cr 267.716†	1507.9	0.2643	mg/L	0.00025	0.5287 mg/L	0.00050	0.09%
Cu 324.752†	25559.5	0.1836	mg/L	0.00117	0.3672 mg/L	0.00235	0.64%
Fe 273.955†	123163.5	157.0	mg/L	1.27	314.0 mg/L	2.53	0.81%
K 766.490†	9326.6	7.664	mg/L	0.0499	15.33 mg/L	0.100	0.65%
Mg 279.077†	55153.0	67.59	mg/L	0.327	135.2 mg/L	0.65	0.48%
Mn 257.610†	78887.4	2.653	mg/L	0.0176	5.307 mg/L	0.0351	0.66%
Mo 202.031†	121.6	0.00700	mg/L	0.000103	0.01400 mg/L	0.000205	1.47%
Na 589.592†	20384.7	2.724	mg/L	0.0124	5.448 mg/L	0.0247	0.45%
Na 330.237†	32.5	3.323	mg/L	0.1083	6.645 mg/L	0.2165	3.26%
Ni 231.604†	1439.3	0.4025	mg/L	0.00106	0.8050 mg/L	0.00212	0.26%
Pb 220.353†	591.5	0.1140	mg/L	0.00076	0.2281 mg/L	0.00152	0.67%
Sb 206.836†	24.7	0.01133	mg/L	0.000958	0.02265 mg/L	0.001915	8.46%
Se 196.026†	30.3	0.02228	mg/L	0.002361	0.04457 mg/L	0.004723	10.60%
Si 288.158†	1097.3	0.8949	mg/L	0.00406	1.790 mg/L	0.0081	0.45%
Sn 189.927†	-87.0	-0.01575	mg/L	0.000479	-0.03149 mg/L	0.000959	3.04%
Sr 421.552†	166495.5	0.3355	mg/L	0.00114	0.6710 mg/L	0.00229	0.34%
Ti 334.903†	94649.6	6.582	mg/L	0.0321	13.16 mg/L	0.064	0.49%
Tl 190.801†	-22.0	0.00220	mg/L	0.001223	0.00440 mg/L	0.002445	55.58%
V 292.402†	36153.1	0.3478	mg/L	0.00195	0.6956 mg/L	0.00391	0.56%
Zn 206.200†	1413.7	0.4445	mg/L	0.00066	0.8890 mg/L	0.00133	0.15%

Sequence No.: 45

Sample ID: BEJ0795-DUP1

Autosampler Location: 350

Date Collected: 10/28/2016 3:45:19 PM

Data Type: Original

Dilution: 2.000000X

Nebulizer Parameters: BEJ0795-DUP1

Analyte Back Pressure Flow
 All 151.0 kPa 0.65 L/min

Mean Data: BEJ0795-DUP1

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1847338.5	105.5 %	%	0.12				0.11%
ScR 361.383	207464.5	107.8 %	%	0.66				0.62%
Ag 328.068†	-76.6	-0.00048	mg/L	0.000043	-0.00097	mg/L	0.000085	8.80%
Al 308.215†	104701.9	112.3	mg/L	0.49	224.7	mg/L	0.99	0.44%
As 188.979†	-190.5	0.05401	mg/L	0.003495	0.1080	mg/L	0.00699	6.47%
B 249.677†	295.1	0.05506	mg/L	0.001285	0.1101	mg/L	0.00257	2.33%
Ba 233.527†	3552.3	0.5771	mg/L	0.00147	1.154	mg/L	0.0029	0.26%
Be 313.042†	505.1	0.00145	mg/L	0.000033	0.00289	mg/L	0.000067	2.30%
Ca 317.933†	575917.3	80.45	mg/L	0.269	160.9	mg/L	0.54	0.33%
Cd 228.802†	11.1	0.00204	mg/L	0.000199	0.00407	mg/L	0.000399	9.78%
Co 228.616†	3854.1	0.1394	mg/L	0.00076	0.2787	mg/L	0.00153	0.55%
Cr 267.716†	1622.4	0.2702	mg/L	0.00227	0.5404	mg/L	0.00454	0.84%
Cu 324.752†	46259.0	0.3280	mg/L	0.00130	0.6559	mg/L	0.00259	0.39%
Fe 273.955†	153920.9	196.2	mg/L	0.44	392.4	mg/L	0.89	0.23%
K 766.490†	8757.2	7.197	mg/L	0.0492	14.39	mg/L	0.098	0.68%
Mg 279.077†	227254.9	278.8	mg/L	0.87	557.7	mg/L	1.74	0.31%
Mn 257.610†	84986.0	2.857	mg/L	0.0076	5.714	mg/L	0.0151	0.26%
Mo 202.031†	163.2	0.00933	mg/L	0.000269	0.01865	mg/L	0.000539	2.89%
Na 589.592†	18213.7	2.434	mg/L	0.0074	4.868	mg/L	0.0148	0.30%
Na 330.237†	25.8	2.982	mg/L	0.1873	5.964	mg/L	0.3745	6.28%
Ni 231.604†	8065.8	2.256	mg/L	0.0119	4.512	mg/L	0.0239	0.53%
Pb 220.353†	702.4	0.1340	mg/L	0.00065	0.2679	mg/L	0.00129	0.48%
Sb 206.836†	40.8	0.01787	mg/L	0.002411	0.03574	mg/L	0.004821	13.49%
Se 196.026†	44.7	0.03649	mg/L	0.003400	0.07298	mg/L	0.006800	9.32%
Si 288.158†	1030.5	0.8645	mg/L	0.00568	1.729	mg/L	0.0114	0.66%
Sn 189.927†	-101.7	-0.01526	mg/L	0.001867	-0.03052	mg/L	0.003734	12.24%
Sr 421.552†	204193.1	0.4115	mg/L	0.00160	0.8229	mg/L	0.00320	0.39%
Ti 334.903†	99816.0	6.939	mg/L	0.0235	13.88	mg/L	0.047	0.34%
Tl 190.801†	-36.1	-0.00430	mg/L	0.001639	-0.00859	mg/L	0.003277	38.15%
V 292.402†	37156.9	0.3561	mg/L	0.00123	0.7122	mg/L	0.00245	0.34%
Zn 206.200†	1647.2	0.5179	mg/L	0.00204	1.036	mg/L	0.0041	0.39%

Sequence No.: 46
 Sample ID: 16J0342-01

Autosampler Location: 351
 Date Collected: 10/28/2016 3:49:05 PM
 Data Type: Original

Dilution: 2.000000X

Nebulizer Parameters: 16J0342-01

Analyte	Back Pressure	Flow
All	151.0 kPa	0.65 L/min

Mean Data: 16J0342-01

Analyte	Mean Corrected		Calib. Units	Std.Dev.	Sample		Std.Dev.	RSD
	Intensity	Conc.			Conc.	Units		
ScA 357.253	1892539.3	108.1	%	0.65				0.60%
ScR 361.383	211722.3	110.0	%	0.60				0.55%
Ag 328.068†	-51.0	-0.00029	mg/L	0.000140	-0.00058	mg/L	0.000280	48.21%
Al 308.215†	92891.0	99.67	mg/L	0.388	199.3	mg/L	0.78	0.39%
As 188.979†	-241.3	0.02177	mg/L	0.004841	0.04355	mg/L	0.009681	22.23%
B 249.677†	159.5	0.02893	mg/L	0.001432	0.05785	mg/L	0.002865	4.95%
Ba 233.527†	3260.4	0.5304	mg/L	0.00424	1.061	mg/L	0.0085	0.80%
Be 313.042†	496.0	0.00142	mg/L	0.000031	0.00284	mg/L	0.000062	2.20%
Ca 317.933†	516341.8	72.13	mg/L	0.162	144.3	mg/L	0.32	0.22%
Cd 228.802†	21.8	0.00183	mg/L	0.000177	0.00366	mg/L	0.000353	9.65%
Co 228.616†	2477.0	0.08460	mg/L	0.000703	0.1692	mg/L	0.00141	0.83%
Cr 267.716†	1451.4	0.2506	mg/L	0.00202	0.5011	mg/L	0.00404	0.81%
Cu 324.752†	35126.6	0.2504	mg/L	0.00092	0.5008	mg/L	0.00184	0.37%
Fe 273.955†	136707.7	174.2	mg/L	1.03	348.5	mg/L	2.05	0.59%
K 766.490†	8564.2	7.038	mg/L	0.0408	14.08	mg/L	0.082	0.58%
Mg 279.077†	107542.4	131.9	mg/L	0.32	263.8	mg/L	0.64	0.24%
Mn 257.610†	77153.1	2.595	mg/L	0.0144	5.189	mg/L	0.0289	0.56%
Mo 202.031†	129.1	0.00725	mg/L	0.000229	0.01450	mg/L	0.000459	3.17%
Na 589.592†	16554.3	2.212	mg/L	0.0015	4.425	mg/L	0.0030	0.07%
Na 330.237†	20.9	2.781	mg/L	0.1416	5.562	mg/L	0.2832	5.09%
Ni 231.604†	3290.5	0.9203	mg/L	0.00640	1.841	mg/L	0.0128	0.70%
Pb 220.353†	599.8	0.1154	mg/L	0.00085	0.2308	mg/L	0.00171	0.74%
Sb 206.836†	29.0	0.01357	mg/L	0.001419	0.02714	mg/L	0.002838	10.46%
Se 196.026†	41.6	0.03451	mg/L	0.012528	0.06903	mg/L	0.025056	36.30%
Si 288.158†	1192.6	0.9804	mg/L	0.00943	1.961	mg/L	0.0189	0.96%
Sn 189.927†	-102.6	-0.01742	mg/L	0.000991	-0.03485	mg/L	0.001983	5.69%
Sr 421.552†	221587.2	0.4465	mg/L	0.00105	0.8930	mg/L	0.00211	0.24%
Ti 334.903†	103523.5	7.198	mg/L	0.0244	14.40	mg/L	0.049	0.34%
Tl 190.801†	-22.8	0.00314	mg/L	0.004683	0.00628	mg/L	0.009366	149.13%
V 292.402†	36013.4	0.3454	mg/L	0.00045	0.6907	mg/L	0.00091	0.13%
Zn 206.200†	1385.5	0.4356	mg/L	0.00397	0.8713	mg/L	0.00794	0.91%