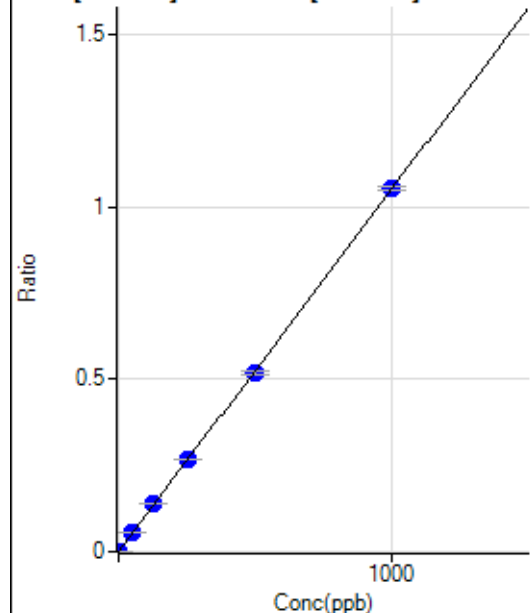


Batch Folder: D:\P8100517- MS.b\
Analysis File: P8100517- MS.batch.bin
DA Date-Time: 2017-10-05 11:16:31
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2017-10-05 10:46:53
2			
3	005CALS.d	S02	2017-10-05 10:53:50
4	006CALS.d	S03	2017-10-05 10:57:20
5	007CALS.d	S04	2017-10-05 11:00:49
6	008CALS.d	S05	2017-10-05 11:04:14
7	009CALS.d	S06	2017-10-05 11:07:33
8	010CALS.d	S07	2017-10-05 11:10:48
9	011CALS.d	S08	2017-10-05 11:14:00

9 Be [No Gas] ISTD:6 Li [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.97	0.0001	P	52.7
2	☐	0.100					
3	☐	1.000	1.013	1053.78	0.0011	P	3.6
4	☐	50.000	52.895	52151.97	0.0557	P	0.6
5	☐	125.000	130.310	131190.36	0.1371	P	0.2
6	☐	250.000	254.486	257433.52	0.2676	P	0.8
7	☐	500.000	493.157	490758.74	0.5186	P	1.8
8	☐	1000.000	1001.491	967538.87	1.0531	P	1.1
9	☐			79.63	0.0001	P	41.1

$$y = 0.0011 * x + 6.9681E-005$$

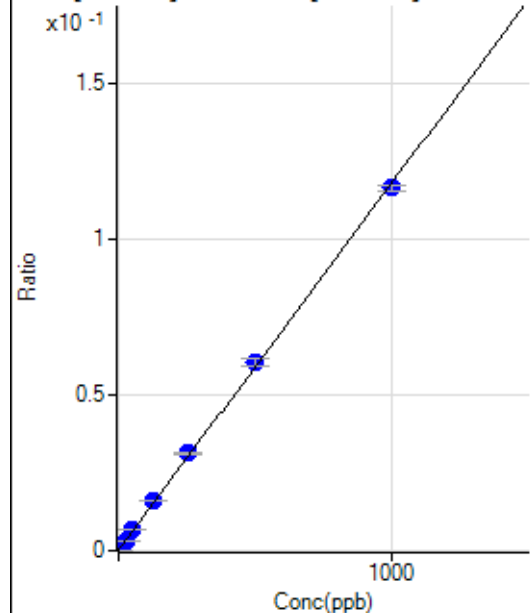
$$R = 0.9999$$

$$DL = 0.1047$$

$$BEC = 0.06627$$

Weight: <None>

Min Conc: 0

10 B [No Gas] ISTD:6 Li [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	122.23	0.0001	P	20.0
2	☐	2.500					
3	☐	25.000	24.209	2769.85	0.0030	P	6.1
4	☐	50.000	55.761	6276.67	0.0067	P	2.0
5	☐	125.000	135.429	15389.40	0.0161	P	3.0
6	☐	250.000	263.982	30023.95	0.0312	P	3.3
7	☐	500.000	514.128	57398.67	0.0607	P	4.0
8	☐	1000.000	987.869	106996.89	0.1164	P	1.5
9	☐			3789.56	0.0044	P	1.4

$$y = 1.1774E-004 * x + 1.3544E-004$$

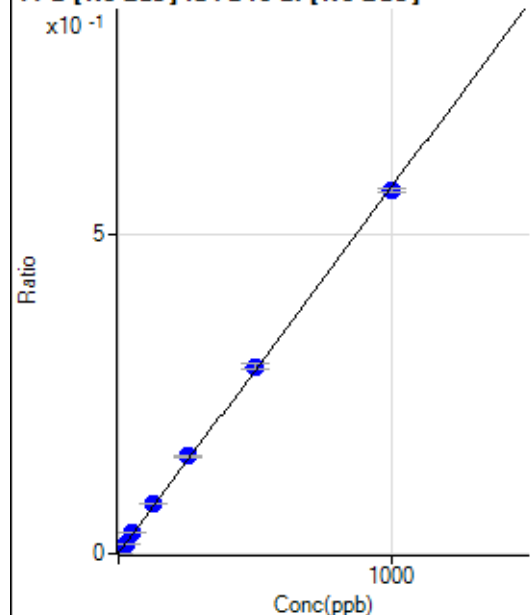
$$R = 0.9997$$

$$DL = 0.6917$$

$$BEC = 1.15$$

Weight: <None>

Min Conc: 0

11 B [No Gas] ISTD:6 Li [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	505.59	0.0006	P	19.7
2	☐	2.500					
3	☐	25.000	24.055	13320.66	0.0144	P	5.5
4	☐	50.000	56.170	30697.53	0.0328	P	2.9
5	☐	125.000	136.099	75252.88	0.0786	P	1.1
6	☐	250.000	264.724	146594.11	0.1524	P	1.5
7	☐	500.000	510.018	277360.52	0.2931	P	2.7
8	☐	1000.000	989.638	522116.36	0.5682	P	0.9
9	☐			17422.38	0.0203	P	6.6

$$y = 5.7363\text{E-}004 * x + 5.5961\text{E-}004$$

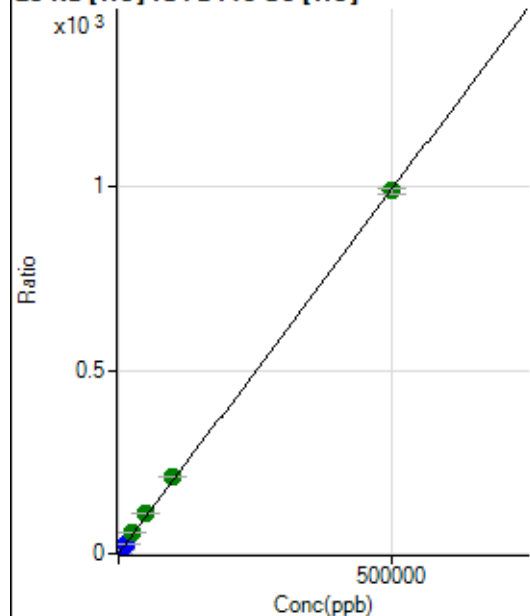
$$R = 0.9998$$

$$DL = 0.5779$$

$$BEC = 0.9756$$

Weight: <None>

Min Conc: 0

23 Na [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10490.42	0.3787	P	0.8
2	☐	50.000					
3	☐	500.000	508.309	40478.04	1.3860	P	1.1
4	☐	5000.000	5916.910	340830.33	12.1032	P	2.7
5	☐	12500.000	14145.021	810000.83	28.4074	P	0.8
6	☐	25000.000	28312.276	1527694.73	56.4801	A	0.8
7	☐	50000.000	54614.557	2770849.69	108.5987	A	2.1
8	☐	100000.00	104572.49	4858783.14	207.5914	A	0.7
9	☐	500000.00	498408.12	22953948.77	987.9852	A	1.4

$$y = 0.0020 * x + 0.3787$$

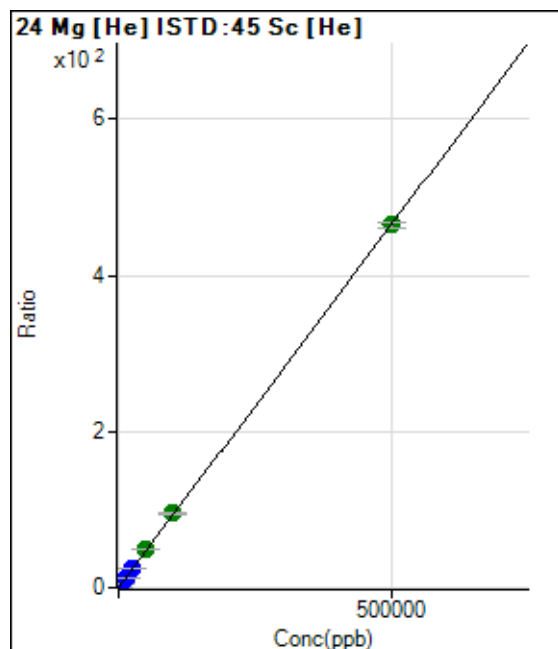
$$R = 0.9999$$

$$DL = 4.564$$

$$BEC = 191.1$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	127.78	0.0046	P	32.9
2	☐	50.000					
3	☐	500.000	476.608	13084.38	0.4482	P	5.5
4	☐	5000.000	5487.379	143932.20	5.1115	P	3.2
5	☐	12500.000	13237.939	351399.57	12.3246	P	1.5
6	☐	25000.000	26199.442	659607.19	24.3874	P	0.5
7	☐	50000.000	51964.801	1234433.13	48.3662	A	0.1
8	☐	100000.00	102016.10	2222028.63	94.9470	A	1.8
9	☐	500000.00	499317.02	10796392.86	464.6996	A	1.5

$$y = 9.3066\text{E-}004 * x + 0.0046$$

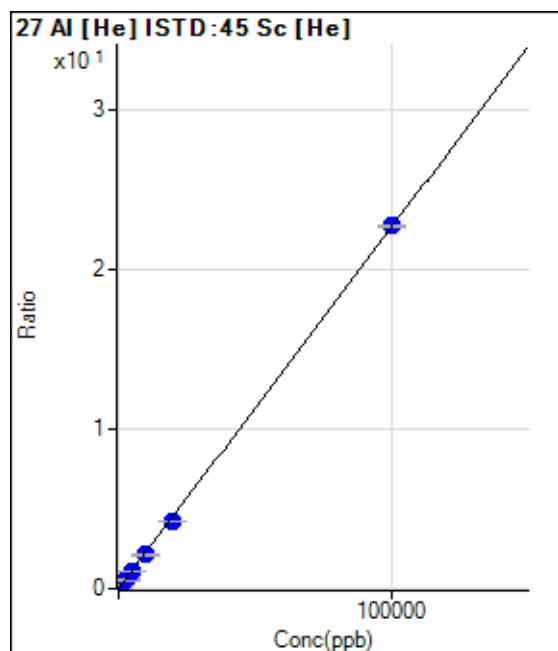
$$R = 1.0000$$

$$DL = 4.886$$

$$BEC = 4.957$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.44	0.0007	P	49.7
2	☐	2.000					
3	☐	20.000	12.882	105.56	0.0036	P	17.1
4	☐	1000.000	939.866	6004.33	0.2133	P	5.8
5	☐	2500.000	2410.493	15567.51	0.5461	P	3.0
6	☐	5000.000	4725.855	28938.78	1.0699	P	0.8
7	☐	10000.000	9322.580	53831.02	2.1099	P	2.4
8	☐	20000.000	18563.311	98317.16	4.2006	P	0.8
9	☐	100000.00	100371.62	527637.96	22.7097	P	0.7

$$y = 2.2625\text{E-}004 * x + 7.0271\text{E-}004$$

$$R = 0.9999$$

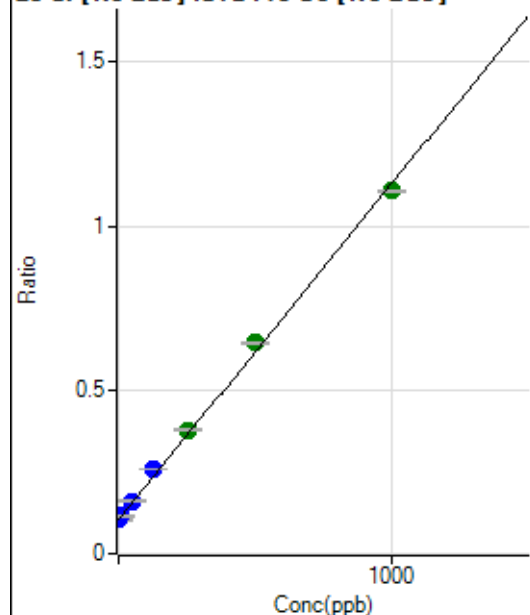
$$DL = 4.629$$

$$BEC = 3.106$$

Weight: <None>

Min Conc: 0

28 Si [No Gas] ISTD : 45 Sc [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	320736.66	0.1033	P	4.2
2	☐	1.000					
3	☐	10.000	11.671	369770.62	0.1153	P	2.3
4	☐	50.000	55.857	527124.41	0.1606	P	1.3
5	☐	125.000	150.112	836190.92	0.2573	P	0.4
6	☐	250.000	267.751	1226748.26	0.3779	A	0.8
7	☐	500.000	526.438	2010331.19	0.6431	A	0.8
8	☐	1000.000	978.895	3326451.12	1.1070	A	0.6
9	☐			294855.54	0.1041	P	1.2

$$y = 0.0010 * x + 0.1033$$

$$R = 0.9991$$

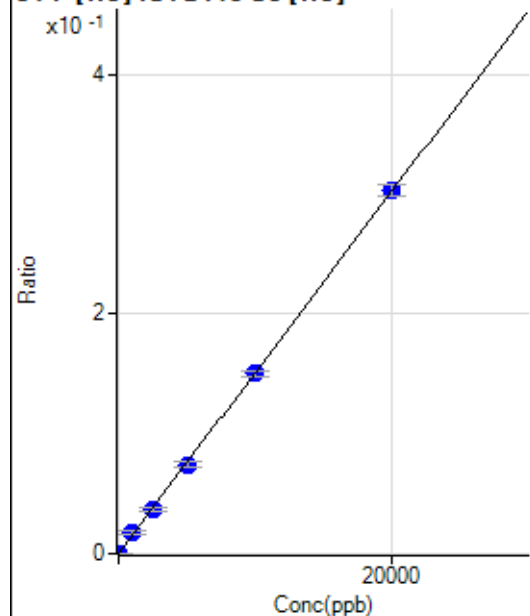
$$DL = 12.57$$

$$BEC = 100.8$$

Weight: <None>

Min Conc: 0

31 P [He] ISTD : 45 Sc [He]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-6.102	2.78	0.0001	P	173.
2	☐	0.000					
3	☐	0.000	6.102	8.33	0.0003	P	100.
4	☐	1000.000	1163.737	500.03	0.0178	P	12.0
5	☐	2500.000	2399.134	1038.98	0.0364	P	8.2
6	☐	5000.000	4931.848	2019.69	0.0746	P	7.8
7	☐	10000.000	9935.973	3831.25	0.1502	P	2.8
8	☐	20000.000	20053.473	7090.97	0.3029	P	3.3
9	☐			8.33	0.0004	P	99.6

$$y = 1.5095E-005 * x + 1.9253E-004$$

$$R = 0.9999$$

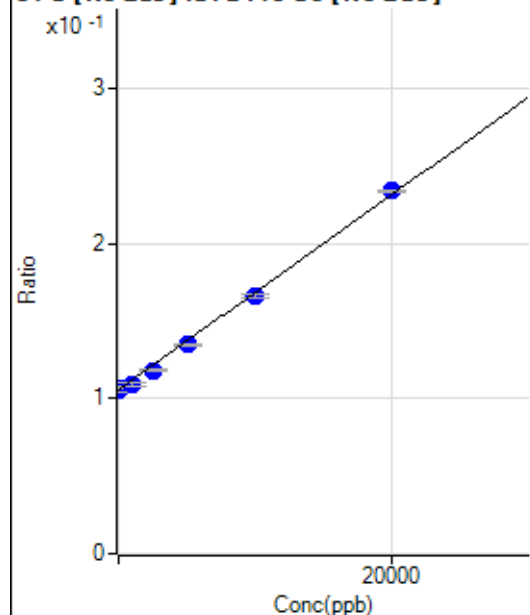
$$DL = 45.66$$

$$BEC = 12.75$$

Weight: <None>

Min Conc: 0

34 S [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	67.051	330098.19	0.1063	P	3.8
2	☐	0.000					
3	☐	0.000	-67.051	338336.20	0.1055	P	2.2
4	☐	1000.000	538.499	358771.08	0.1093	P	1.3
5	☐	2500.000	1972.048	384640.35	0.1183	P	0.9
6	☐	5000.000	4574.141	437344.17	0.1347	P	0.8
7	☐	10000.000	9612.957	520221.89	0.1664	P	1.2
8	☐	20000.000	20389.055	703855.33	0.2342	P	0.4
9	☐			258277.18	0.0912	P	1.3

$$y = 6.2931\text{E-}006 * x + 0.1059$$

$$R = 0.9992$$

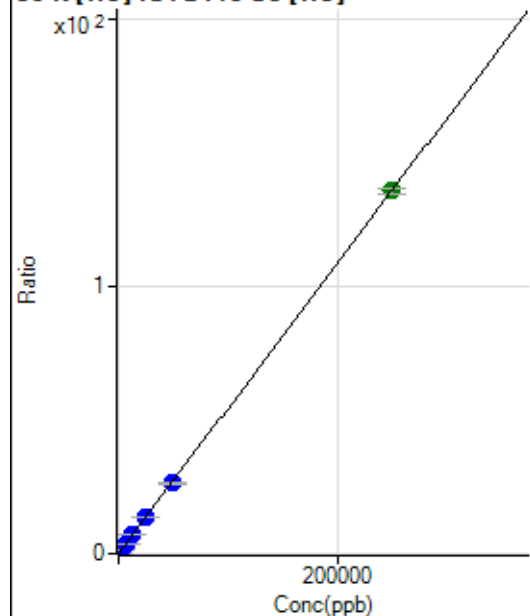
$$DL = 1518$$

$$BEC = 1.683\text{E}+04$$

Weight: <None>

Min Conc: 0

39 K [He] ISTD:45 Sc [He]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2536.44	0.0916	P	1.3
2	☐	50.000					
3	☐	500.000	455.835	9876.10	0.3382	P	0.7
4	☐	2500.000	2695.104	43632.54	1.5496	P	3.1
5	☐	6250.000	6537.138	103439.15	3.6280	P	2.2
6	☐	12500.000	12684.868	188078.99	6.9538	P	0.5
7	☐	25000.000	24803.775	344708.00	13.5098	P	1.8
8	☐	50000.000	48457.054	615691.66	26.3057	P	0.7
9	☐	250000.00	250309.92	3148179.32	135.5035	A	1.5

$$y = 5.4098\text{E-}004 * x + 0.0916$$

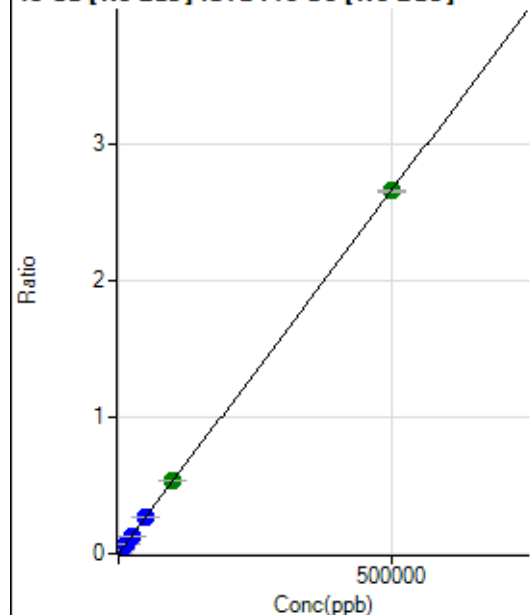
$$R = 1.0000$$

$$DL = 6.78$$

$$BEC = 169.3$$

Weight: <None>

Min Conc: 0

43 Ca [No Gas] ISTD:45 Sc [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1175.11	0.0004	P	7.7
2	☐	50.000					
3	☐	500.000	471.981	9256.22	0.0029	P	8.5
4	☐	5000.000	5029.446	89062.24	0.0271	P	1.1
5	☐	12500.000	12569.958	218592.58	0.0672	P	0.3
6	☐	25000.000	24931.623	431819.29	0.1330	P	1.2
7	☐	50000.000	49700.524	827713.94	0.2648	P	0.7
8	☐	100000.00	101459.76	1623072.15	0.5401	A	0.9
9	☐	500000.00	499739.39	7529911.72	2.6590	A	0.6

$$y = 5.3199\text{E-}006 * x + 3.7811\text{E-}004$$

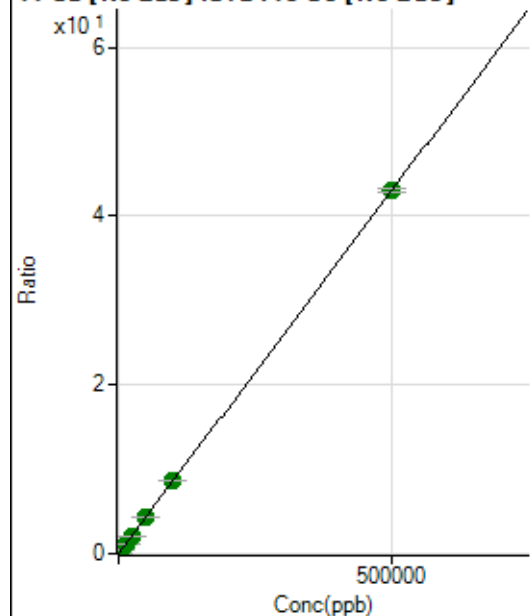
$$R = 1.0000$$

$$DL = 16.5$$

$$BEC = 71.07$$

Weight: <None>

Min Conc: 0

44 Ca [No Gas] ISTD:45 Sc [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20501.85	0.0066	P	4.1
2	☐	50.000					
3	☐	500.000	458.533	147501.61	0.0460	P	2.5
4	☐	5000.000	5092.355	1457749.89	0.4441	A	0.7
5	☐	12500.000	12649.246	3553948.78	1.0934	A	0.5
6	☐	25000.000	24881.048	6961322.99	2.1443	A	1.0
7	☐	50000.000	49600.849	13342030.59	4.2681	A	0.8
8	☐	100000.00	100233.64	25897068.98	8.6182	A	0.6
9	☐	500000.00	499994.52	121669647.1	42.9639	A	1.0

$$y = 8.5916\text{E-}005 * x + 0.0066$$

$$R = 1.0000$$

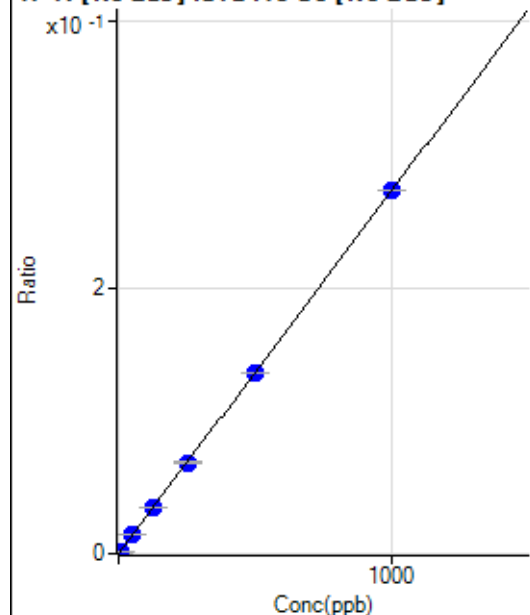
$$DL = 9.54$$

$$BEC = 76.86$$

Weight: <None>

Min Conc: 0

47 Ti [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	94.45	0.0000	P	13.6
2	☐	0.500					
3	☐	5.000	4.442	3978.52	0.0012	P	4.2
4	☐	50.000	51.801	46439.08	0.0141	P	1.0
5	☐	125.000	127.192	112770.19	0.0347	P	0.1
6	☐	250.000	251.303	222452.78	0.0685	P	0.4
7	☐	500.000	498.580	424859.57	0.1359	P	0.1
8	☐	1000.000	1000.023	819021.24	0.2726	P	0.2
9	☐			419.47	0.0001	P	3.1

$$y = 2.7252E-004 * x + 3.0426E-005$$

$$R = 1.0000$$

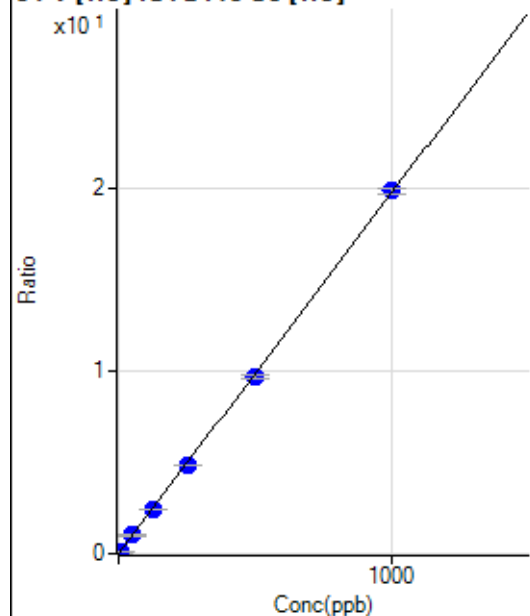
$$DL = 0.04551$$

$$BEC = 0.1116$$

Weight: <None>

Min Conc: 0

51 V [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	6.67	0.0002	P	86.6
2	☐	0.500					
3	☐	5.000	4.445	2569.18	0.0880	P	2.8
4	☐	50.000	50.994	28347.78	1.0069	P	4.1
5	☐	125.000	122.889	69175.32	2.4263	P	2.0
6	☐	250.000	245.640	131163.64	4.8496	P	0.8
7	☐	500.000	491.506	247560.47	9.7034	P	2.5
8	☐	1000.000	1005.554	464609.45	19.8515	P	1.3
9	☐			64.45	0.0028	P	16.4

$$y = 0.0197 * x + 2.4048E-004$$

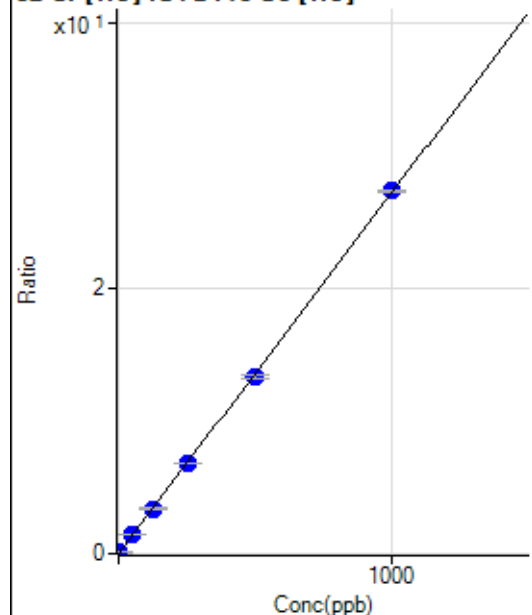
$$R = 0.9999$$

$$DL = 0.03165$$

$$BEC = 0.01218$$

Weight: <None>

Min Conc: 0

52 Cr [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	598.91	0.0216	P	2.3
2	☐	0.200					
3	☐	2.000	1.981	2206.88	0.0756	P	5.5
4	☐	50.000	51.395	40011.67	1.4208	P	2.5
5	☐	125.000	124.466	97225.61	3.4100	P	1.5
6	☐	250.000	248.958	183888.91	6.7990	P	0.6
7	☐	500.000	489.747	340729.13	13.3541	P	1.9
8	☐	1000.000	1005.384	641100.25	27.3914	P	0.5
9	☐			6473.83	0.2786	P	1.6

$$y = 0.0272 * x + 0.0216$$

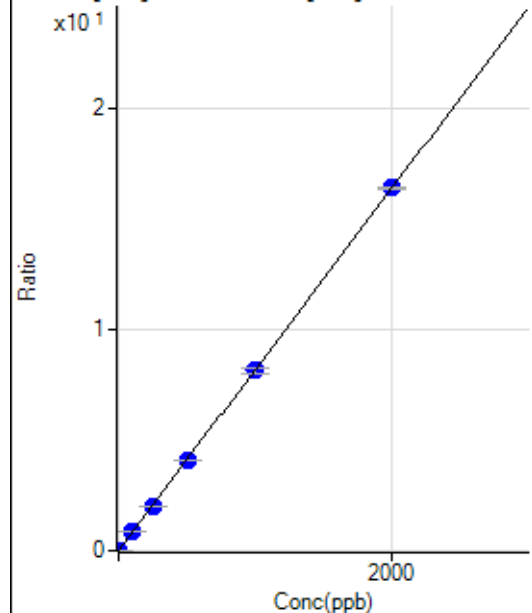
$$R = 0.9999$$

$$DL = 0.05389$$

$$BEC = 0.7943$$

Weight: <None>

Min Conc: 0

55 Mn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18.89	0.0007	P	67.0
2	☐	0.100					
3	☐	1.000	0.998	258.90	0.0089	P	8.9
4	☐	100.000	102.167	23616.84	0.8385	P	2.0
5	☐	250.000	246.408	57634.00	2.0214	P	1.6
6	☐	500.000	495.609	109944.99	4.0650	P	0.4
7	☐	1000.000	994.348	208057.79	8.1550	P	2.4
8	☐	2000.000	2004.264	384695.59	16.4370	P	0.8
9	☐			1232.30	0.0530	P	2.9

$$y = 0.0082 * x + 6.8220E-004$$

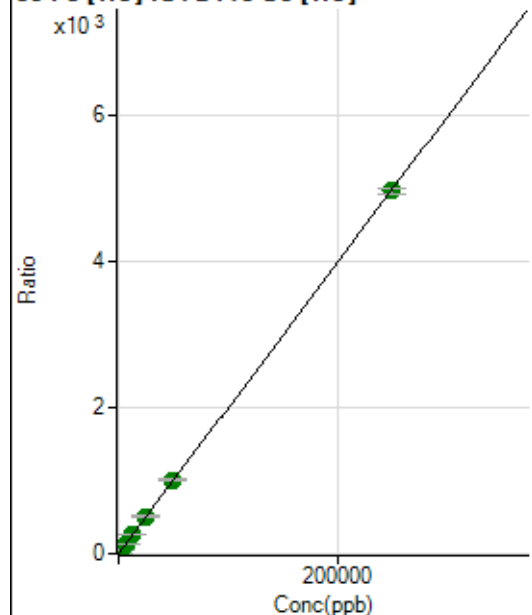
$$R = 1.0000$$

$$DL = 0.1671$$

$$BEC = 0.08319$$

Weight: <None>

Min Conc: 0

56 Fe [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1144.53	0.0413	P	6.0
2	☐	5.000					
3	☐	50.000	45.731	27755.87	0.9504	P	0.9
4	☐	2500.000	2675.489	1498737.20	53.2288	A	3.3
5	☐	6250.000	6422.440	3641543.48	127.7164	A	1.3
6	☐	12500.000	12854.002	6912215.43	255.5728	A	1.2
7	☐	25000.000	25731.839	13052211.98	511.5781	A	2.3
8	☐	50000.000	50951.724	23705757.70	1,012.937	A	1.4
9	☐	250000.00	249712.70	115334846.1	4,964.211	A	1.3

$$y = 0.0199 * x + 0.0413$$

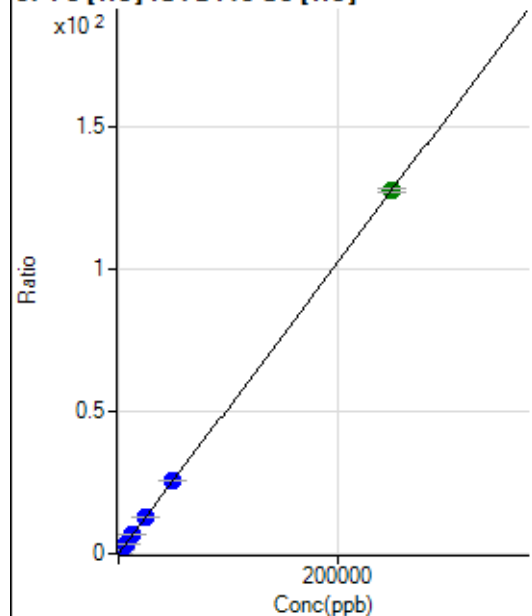
$$R = 1.0000$$

$$DL = 0.3744$$

$$BEC = 2.079$$

Weight: <None>

Min Conc: 0

57 Fe [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	31.48	0.0011	P	20.6
2	☐	5.000					
3	☐	50.000	47.386	740.78	0.0254	P	7.5
4	☐	2500.000	2605.396	37540.02	1.3328	P	1.7
5	☐	6250.000	6295.740	91787.82	3.2191	P	1.4
6	☐	12500.000	12692.036	175480.81	6.4884	P	1.1
7	☐	25000.000	25476.867	332265.92	13.0230	P	2.2
8	☐	50000.000	50256.808	601210.72	25.6887	P	1.1
9	☐	250000.00	249889.15	2967556.20	127.7259	A	1.1

$$y = 5.1113E-004 * x + 0.0011$$

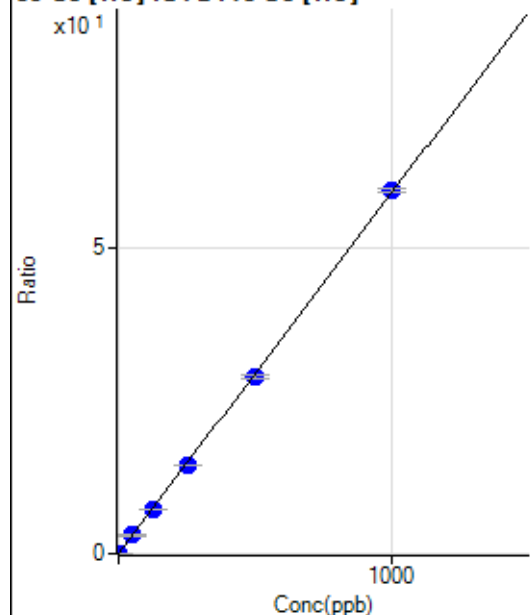
$$R = 1.0000$$

$$DL = 1.372$$

$$BEC = 2.224$$

Weight: <None>

Min Conc: 0

59 Co [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	60.00	0.0022	P	25.6
2	☐	0.100					
3	☐	1.000	0.933	1674.58	0.0573	P	2.0
4	☐	50.000	50.818	84641.73	3.0063	P	3.7
5	☐	125.000	122.238	206100.97	7.2283	P	1.1
6	☐	250.000	246.409	394038.50	14.5688	P	0.5
7	☐	500.000	489.995	739085.49	28.9686	P	2.3
8	☐	1000.000	1006.204	1392182.95	59.4846	P	1.0
9	☐			1337.87	0.0576	P	6.5

$$y = 0.0591 * x + 0.0022$$

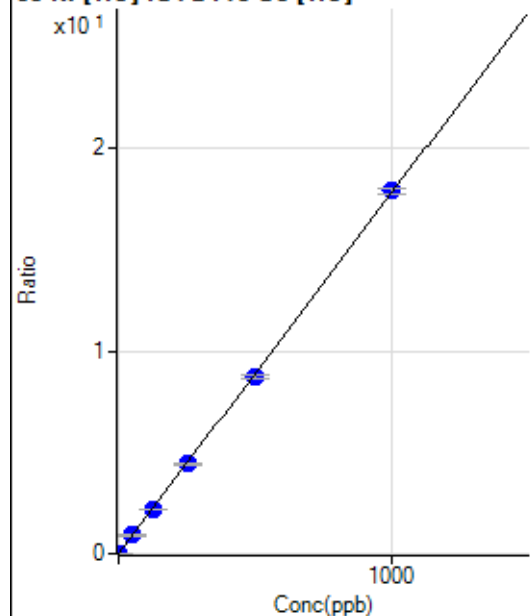
$$R = 0.9999$$

$$DL = 0.02812$$

$$BEC = 0.03665$$

Weight: <None>

Min Conc: 0

60 Ni [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.45	0.0034	P	43.7
2	☐	0.100					
3	☐	1.000	0.947	592.25	0.0203	P	4.0
4	☐	50.000	50.535	25451.26	0.9038	P	2.9
5	☐	125.000	122.857	62514.08	2.1925	P	1.0
6	☐	250.000	248.081	119641.65	4.4237	P	1.0
7	☐	500.000	490.285	222976.37	8.7393	P	2.1
8	☐	1000.000	1005.578	419397.23	17.9207	P	1.3
9	☐			1886.83	0.0812	P	5.2

$$y = 0.0178 * x + 0.0034$$

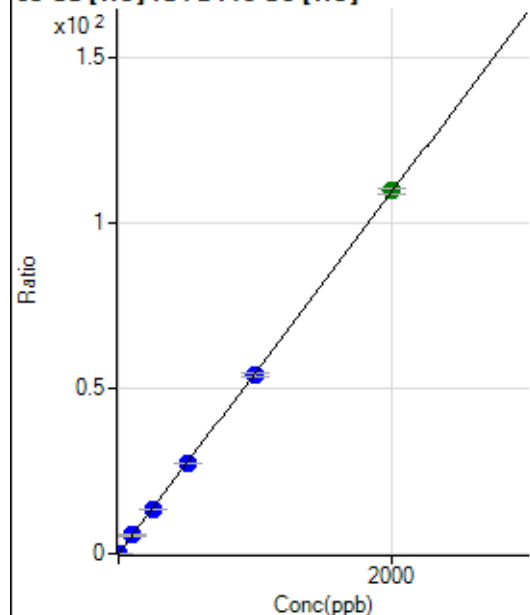
$$R = 0.9999$$

$$DL = 0.251$$

$$BEC = 0.1913$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	231.12	0.0083	P	17.4
2	☐	0.200					
3	☐	2.000	1.799	3108.18	0.1065	P	3.8
4	☐	100.000	101.889	156702.74	5.5651	P	3.1
5	☐	250.000	247.470	385058.62	13.5046	P	1.0
6	☐	500.000	496.648	732800.27	27.0941	P	0.6
7	☐	1000.000	987.421	1374256.13	53.8593	P	1.7
8	☐	2000.000	2007.349	2562234.46	109.4832	A	1.3
9	☐			2533.62	0.1091	P	3.5

$$y = 0.0545 * x + 0.0083$$

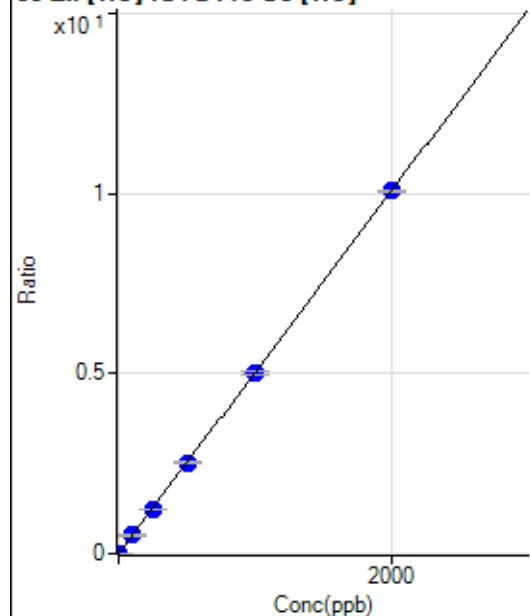
$$R = 1.0000$$

$$DL = 0.07972$$

$$BEC = 0.153$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	87.78	0.0032	P	28.9
2	☐	0.200					
3	☐	2.000	1.998	386.68	0.0132	P	12.4
4	☐	100.000	100.585	14348.74	0.5096	P	3.3
5	☐	250.000	245.800	35375.22	1.2407	P	1.7
6	☐	500.000	502.480	68511.66	2.5331	P	1.2
7	☐	1000.000	999.853	128517.60	5.0373	P	2.4
8	☐	2000.000	1999.949	235743.40	10.0726	P	0.8
9	☐			515.58	0.0222	P	1.2

$$y = 0.0050 * x + 0.0032$$

$$R = 1.0000$$

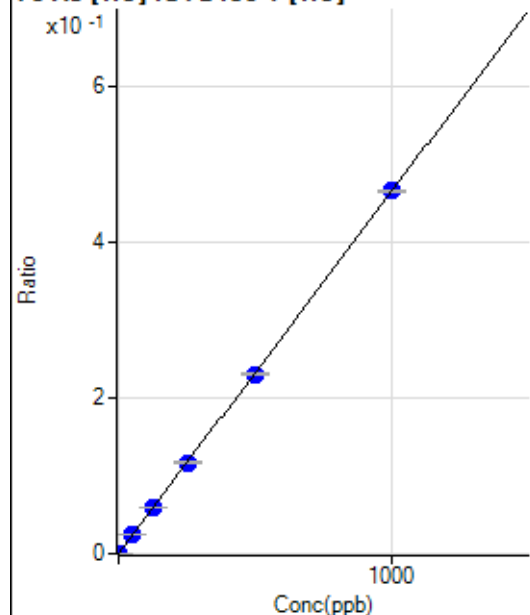
$$DL = 0.5458$$

$$BEC = 0.6296$$

Weight: <None>

Min Conc: 0

75 As [He] ISTD:89 Y [He]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.32	0.0000	P	48.9
2	☐	0.100					
3	☐	1.000	0.960	96.92	0.0005	P	6.4
4	☐	50.000	52.513	4929.31	0.0245	P	4.3
5	☐	125.000	127.123	12154.20	0.0592	P	1.7
6	☐	250.000	251.660	23547.27	0.1173	P	1.0
7	☐	500.000	494.644	44880.61	0.2304	P	0.7
8	☐	1000.000	1001.872	85464.74	0.4667	P	0.7
9	☐			33.95	0.0002	P	24.9

$$y = 4.6584\text{E-}004 * x + 2.1746\text{E-}005$$

$$R = 1.0000$$

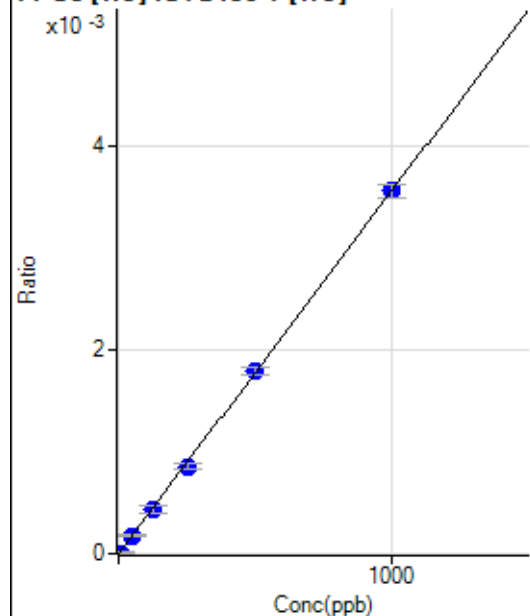
$$DL = 0.06849$$

$$BEC = 0.04668$$

Weight: <None>

Min Conc: 0

77 Se [He] ISTD:89 Y [He]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	1.499	1.11	0.0000	P	173.
4	☐	50.000	48.205	34.45	0.0002	P	12.9
5	☐	125.000	121.860	88.89	0.0004	P	20.7
6	☐	250.000	239.785	171.11	0.0009	P	6.6
7	☐	500.000	504.249	348.90	0.0018	P	4.4
8	☐	1000.000	1000.929	651.14	0.0036	P	3.7
9	☐			0.00	0.0000	P	

$$y = 3.5524\text{E-}006 * x + 0.0000\text{E+}000$$

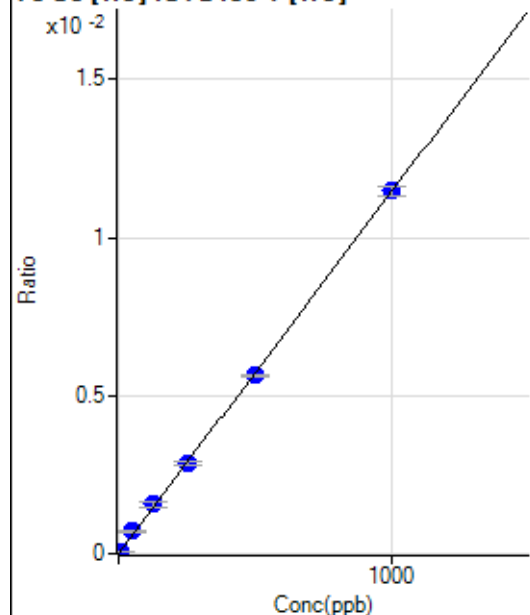
$$R = 0.9999$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

78 Se [He] ISTD:89 Y [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	5.483	12.96	0.0001	P	15.1
4	☐	50.000	63.218	145.68	0.0007	P	8.8
5	☐	125.000	136.714	321.00	0.0016	P	11.2
6	☐	250.000	250.196	575.33	0.0029	P	5.8
7	☐	500.000	491.406	1095.73	0.0056	P	1.5
8	☐	1000.000	1002.120	2100.79	0.0115	P	2.5
9	☐			0.00	0.0000	P	

$$y = 1.1449\text{E-}005 * x + 0.0000\text{E+}000$$

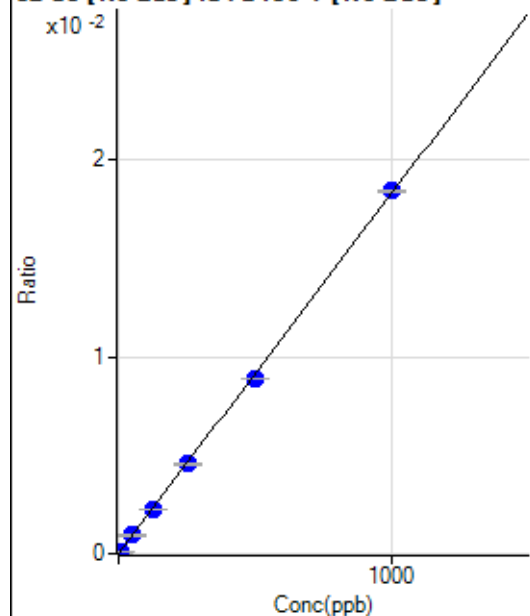
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

82 Se [No Gas] ISTD:89 Y [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	17.86	0.0000	P	146.
2	☐	0.500					
3	☐	5.000	4.555	517.59	0.0001	P	6.3
4	☐	50.000	50.670	5657.86	0.0009	P	0.8
5	☐	125.000	124.673	13886.94	0.0023	P	0.5
6	☐	250.000	248.043	27734.31	0.0045	P	0.1
7	☐	500.000	487.193	53899.76	0.0089	P	0.4
8	☐	1000.000	1006.902	108162.76	0.0184	P	0.3
9	☐			17.45	0.0000	P	371.

$$y = 1.8283\text{E-}005 * x + 3.1445\text{E-}006$$

$$R = 0.9999$$

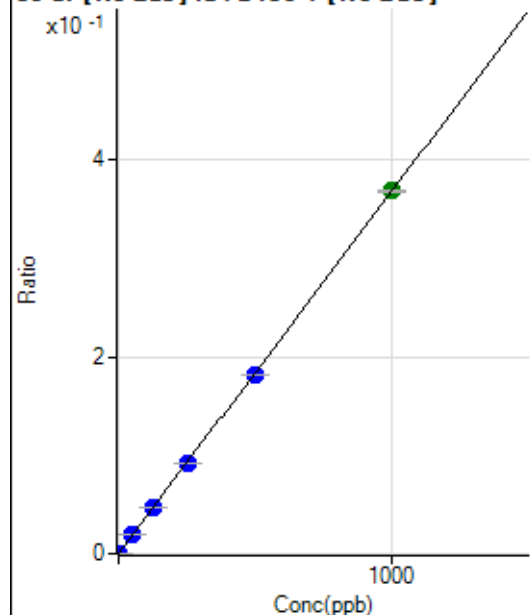
$$DL = 0.7534$$

$$BEC = 0.172$$

Weight: <None>

Min Conc: 0

86 Sr [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	644.49	0.0001	P	8.1
2	☐	0.100					
3	☐	1.000	0.958	2769.86	0.0005	P	5.1
4	☐	50.000	50.631	114101.47	0.0187	P	0.3
5	☐	125.000	126.584	284132.02	0.0467	P	0.4
6	☐	250.000	250.869	564989.27	0.0924	P	0.2
7	☐	500.000	495.221	1103252.47	0.1824	P	0.4
8	☐	1000.000	1001.943	2167085.38	0.3689	A	0.9
9	☐			65547.20	0.0125	P	0.9

$$y = 3.6806E-004 * x + 1.1021E-004$$

$$R = 1.0000$$

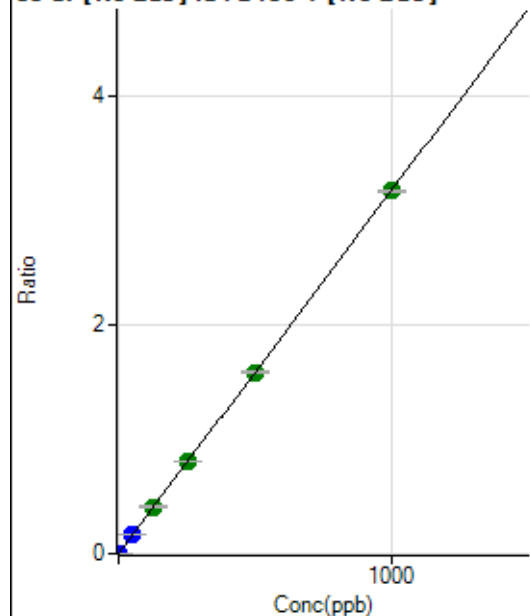
$$DL = 0.07234$$

$$BEC = 0.2994$$

Weight: <None>

Min Conc: 0

88 Sr [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	158.34	0.0000	P	34.8
2	☐	0.100					
3	☐	1.000	0.923	17745.65	0.0030	P	1.2
4	☐	50.000	50.964	986490.00	0.1621	P	0.4
5	☐	125.000	129.496	2505144.61	0.4118	A	0.9
6	☐	250.000	254.058	4936884.36	0.8078	A	0.6
7	☐	500.000	499.293	9603309.33	1.5876	A	0.5
8	☐	1000.000	998.729	18655118.30	3.1756	A	0.3
9	☐			565853.54	0.1081	P	0.7

$$y = 0.0032 * x + 2.6986E-005$$

$$R = 1.0000$$

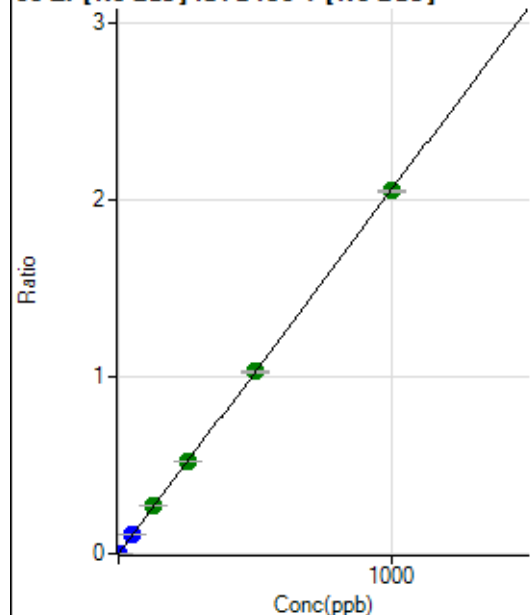
$$DL = 0.008868$$

$$BEC = 0.008487$$

Weight: <None>

Min Conc: 0

90 Zr [No Gas] ISTD: 89 Y [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	358.35	0.0001	P	10.9
2	☐	0.100					
3	☐	1.000	0.903	11483.11	0.0019	P	3.2
4	☐	50.000	50.649	634074.40	0.1042	P	0.5
5	☐	125.000	130.390	1631035.18	0.2681	A	0.3
6	☐	250.000	255.212	3206442.91	0.5247	A	0.6
7	☐	500.000	501.678	6238305.48	1.0313	A	1.0
8	☐	1000.000	997.152	12041488.46	2.0498	A	0.4
9	☐			1302.90	0.0002	P	8.7

$$y = 0.0021 * x + 6.1321E-005$$

$$R = 1.0000$$

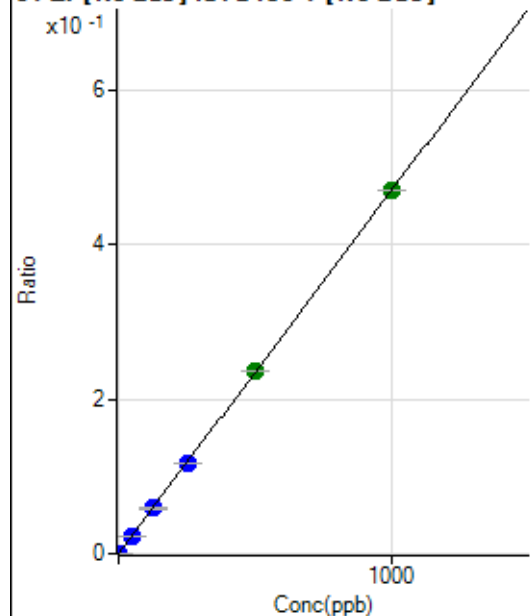
$$DL = 0.009752$$

$$BEC = 0.02983$$

Weight: <None>

Min Conc: 0

91 Zr [No Gas] ISTD: 89 Y [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	38.9
2	☐	0.100					
3	☐	1.000	0.898	2600.36	0.0004	P	6.0
4	☐	50.000	49.396	141147.23	0.0232	P	1.1
5	☐	125.000	124.567	355654.19	0.0585	P	1.1
6	☐	250.000	249.759	716226.09	0.1172	P	1.0
7	☐	500.000	501.614	1423726.59	0.2354	A	0.2
8	☐	1000.000	999.337	2754507.09	0.4689	A	0.1
9	☐			325.02	0.0001	P	10.5

$$y = 4.6919E-004 * x + 1.3454E-005$$

$$R = 1.0000$$

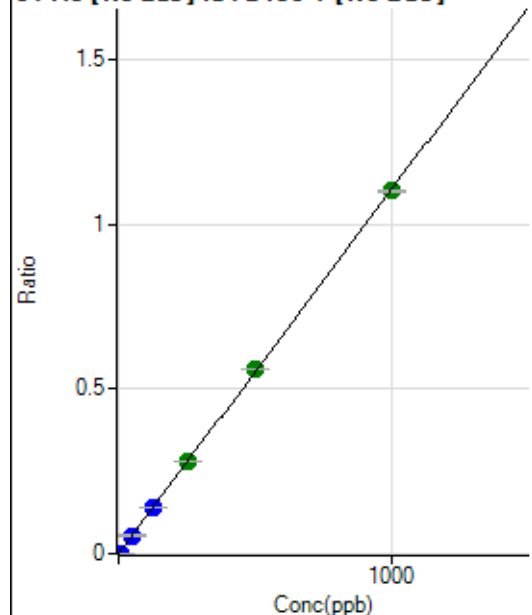
$$DL = 0.0335$$

$$BEC = 0.02868$$

Weight: <None>

Min Conc: 0

94 Mo [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.46	0.0000	P	11.0
2	☐	0.500					
3	☐	5.000	1.923	12928.91	0.0022	P	5.0
4	☐	50.000	50.088	337486.76	0.0554	P	0.7
5	☐	125.000	126.123	849103.66	0.1396	P	0.5
6	☐	250.000	254.408	1720244.79	0.2815	A	0.9
7	☐	500.000	504.776	3378254.89	0.5585	A	0.1
8	☐	1000.000	996.381	6475740.68	1.1023	A	0.3
9	☐			3400.59	0.0006	P	3.1

$$y = 0.0011 * x + 3.3351E-005$$

$$R = 1.0000$$

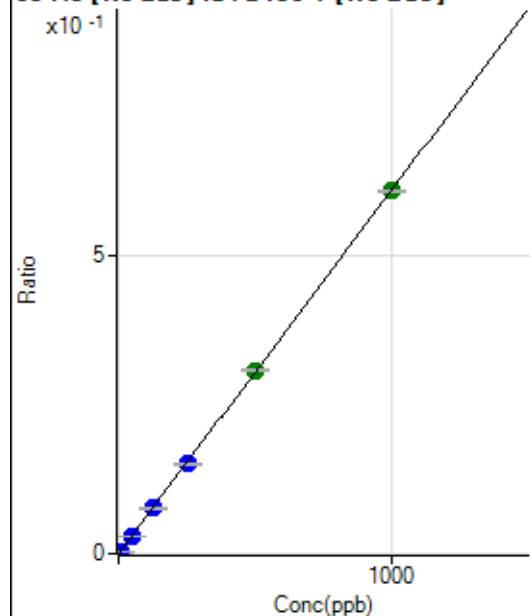
$$DL = 0.009945$$

$$BEC = 0.03015$$

Weight: <None>

Min Conc: 0

95 Mo [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.12	0.0000	P	31.2
2	☐	0.500					
3	☐	5.000	4.410	16113.06	0.0027	P	2.6
4	☐	50.000	48.827	180704.69	0.0297	P	0.6
5	☐	125.000	124.539	460586.86	0.0757	P	0.5
6	☐	250.000	246.938	917289.89	0.1501	P	1.1
7	☐	500.000	504.849	1856213.13	0.3069	A	0.5
8	☐	1000.000	998.460	3565112.28	0.6069	A	0.7
9	☐			4953.93	0.0009	P	1.9

$$y = 6.0781E-004 * x + 1.0387E-005$$

$$R = 1.0000$$

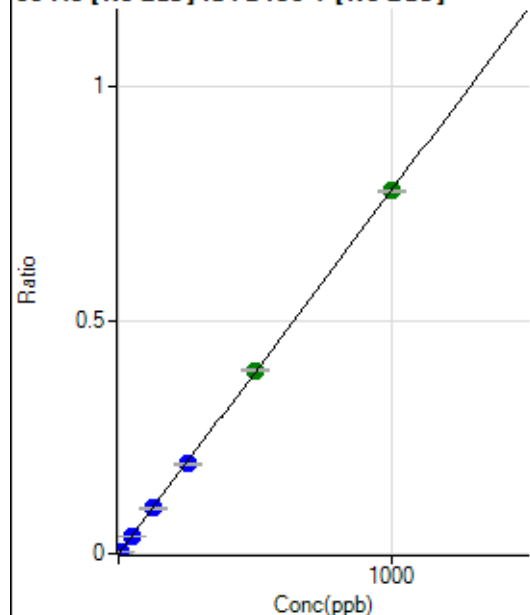
$$DL = 0.01599$$

$$BEC = 0.01709$$

Weight: <None>

Min Conc: 0

96 Mo [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.67	0.0000	P	36.9
2	☐	0.500					
3	☐	5.000	3.949	18493.86	0.0031	P	4.4
4	☐	50.000	49.212	233348.63	0.0383	P	0.3
5	☐	125.000	124.702	590862.39	0.0971	P	0.9
6	☐	250.000	247.132	1176123.29	0.1925	P	1.2
7	☐	500.000	504.826	2378002.46	0.3931	A	0.6
8	☐	1000.000	998.386	4567219.41	0.7775	A	0.3
9	☐			7021.60	0.0013	P	2.3

$$y = 7.7870\text{E-}004 * x + 1.5541\text{E-}005$$

$$R = 1.0000$$

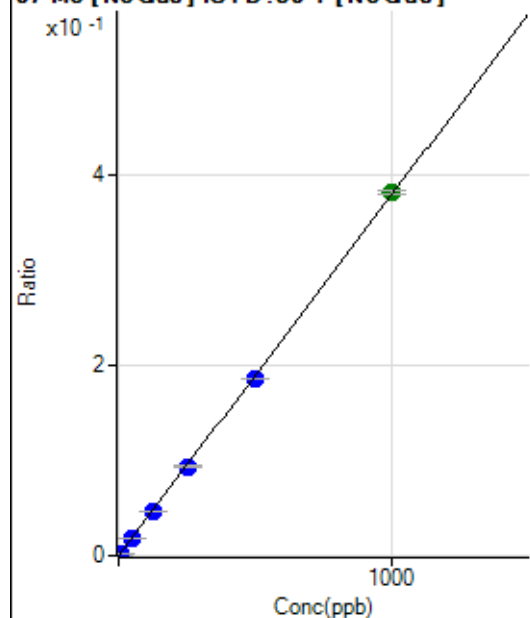
$$DL = 0.02212$$

$$BEC = 0.01996$$

Weight: <None>

Min Conc: 0

97 Mo [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0000	P	77.6
2	☐	0.500					
3	☐	5.000	4.337	9923.49	0.0017	P	3.2
4	☐	50.000	49.436	114311.60	0.0188	P	2.1
5	☐	125.000	123.569	285503.24	0.0469	P	0.7
6	☐	250.000	247.336	573948.27	0.0939	P	1.4
7	☐	500.000	491.288	1128412.23	0.1865	P	0.3
8	☐	1000.000	1005.232	2242140.59	0.3817	A	1.1
9	☐			2969.90	0.0006	P	4.8

$$y = 3.7968\text{E-}004 * x + 1.0307\text{E-}005$$

$$R = 0.9999$$

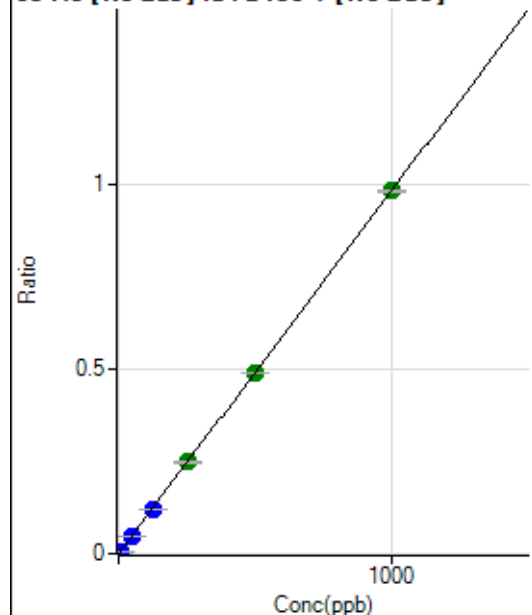
$$DL = 0.06322$$

$$BEC = 0.02715$$

Weight: <None>

Min Conc: 0

98 Mo [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0000	P	33.9
2	☐	0.500					
3	☐	5.000	4.459	26332.12	0.0044	P	6.2
4	☐	50.000	49.047	293678.89	0.0482	P	0.4
5	☐	125.000	123.546	739252.68	0.1215	P	1.0
6	☐	250.000	252.326	1516452.52	0.2482	A	1.6
7	☐	500.000	499.424	2970944.42	0.4911	A	0.5
8	☐	1000.000	999.939	5776695.44	0.9833	A	0.6
9	☐			7719.22	0.0015	P	6.5

$$y = 9.8339\text{E-}004 * x + 1.7051\text{E-}005$$

$$R = 1.0000$$

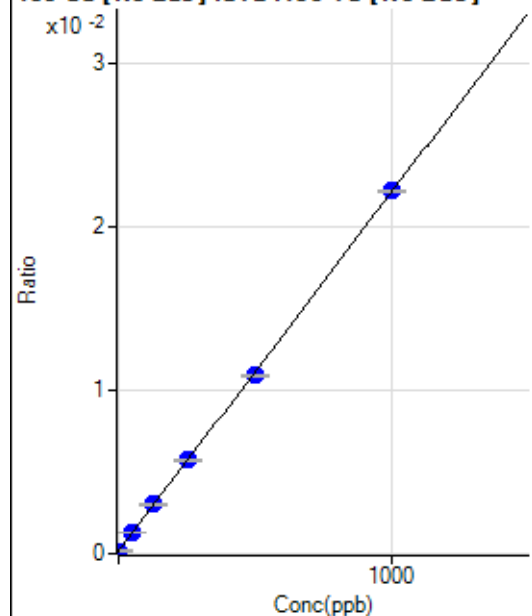
$$DL = 0.01765$$

$$BEC = 0.01734$$

Weight: <None>

Min Conc: 0

106 Cd [No Gas] ISTD:159 Tb [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1197.33	0.0002	P	3.9
2	☐	0.100					
3	☐	1.000	0.844	1369.57	0.0002	P	11.1
4	☐	50.000	52.990	10587.96	0.0013	P	1.7
5	☐	125.000	129.961	24448.09	0.0030	P	2.3
6	☐	250.000	254.862	47755.19	0.0057	P	2.4
7	☐	500.000	488.944	92938.65	0.0109	P	1.5
8	☐	1000.000	1003.543	186774.26	0.0222	P	0.9
9	☐			1133.44	0.0002	P	4.0

$$y = 2.1929\text{E-}005 * x + 1.5658\text{E-}004$$

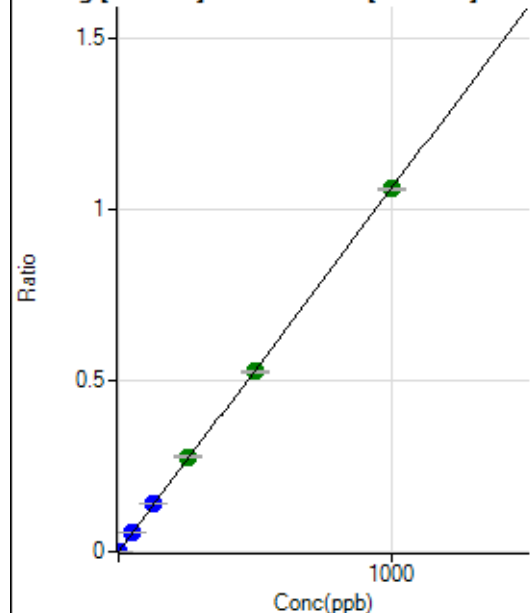
$$R = 0.9999$$

$$DL = 0.8366$$

$$BEC = 7.14$$

Weight: <None>

Min Conc: 0

107 Ag [No Gas] ISTD:159 Tb [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.89	0.0000	P	20.5
2	☐	0.100					
3	☐	1.000	1.018	8553.10	0.0011	P	3.0
4	☐	50.000	53.197	453634.48	0.0565	P	0.2
5	☐	125.000	132.132	1140831.58	0.1403	P	1.0
6	☐	250.000	261.074	2304195.34	0.2772	A	0.9
7	☐	500.000	495.162	4491434.00	0.5258	A	1.8
8	☐	1000.000	998.599	8934998.11	1.0603	A	0.8
9	☐			725.05	0.0001	P	17.8

$$y = 0.0011 * x + 1.1566E-005$$

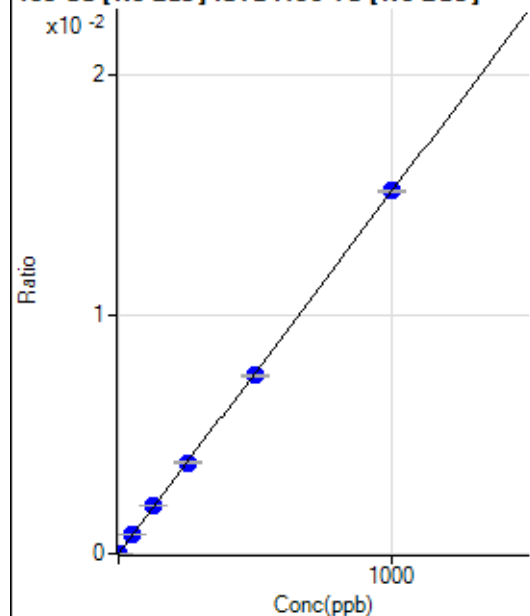
$$R = 0.9999$$

$$DL = 0.006711$$

$$BEC = 0.01089$$

Weight: <None>

Min Conc: 0

108 Cd [No Gas] ISTD:159 Tb [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9.72	0.0000	P	105.
2	☐	0.100					
3	☐	1.000	0.751	98.62	0.0000	P	22.9
4	☐	50.000	53.126	6462.82	0.0008	P	2.5
5	☐	125.000	131.860	16228.08	0.0020	P	1.3
6	☐	250.000	251.210	31594.35	0.0038	P	1.2
7	☐	500.000	492.052	63596.52	0.0074	P	1.2
8	☐	1000.000	1002.658	127819.18	0.0152	P	0.4
9	☐			12.50	0.0000	P	65.5

$$y = 1.5126E-005 * x + 1.2704E-006$$

$$R = 0.9999$$

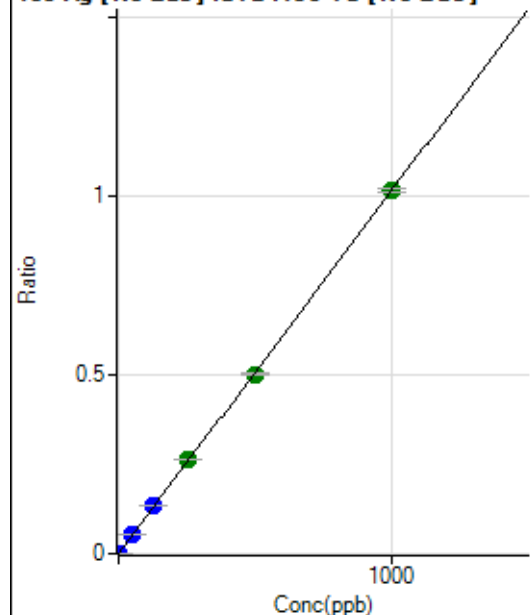
$$DL = 0.2656$$

$$BEC = 0.08398$$

Weight: <None>

Min Conc: 0

109 Ag [No Gas] ISTD:159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.90	0.0000	P	37.0
2	☐	0.100					
3	☐	1.000	1.001	8044.42	0.0010	P	1.3
4	☐	50.000	53.118	432622.95	0.0539	P	1.8
5	☐	125.000	131.049	1080716.22	0.1329	P	0.3
6	☐	250.000	261.029	2200285.73	0.2647	A	0.8
7	☐	500.000	493.241	4273288.25	0.5002	A	0.9
8	☐	1000.000	999.710	8543092.12	1.0138	A	0.9
9	☐			747.28	0.0001	P	9.0

$$y = 0.0010 * x + 1.1625E-005$$

$$R = 0.9999$$

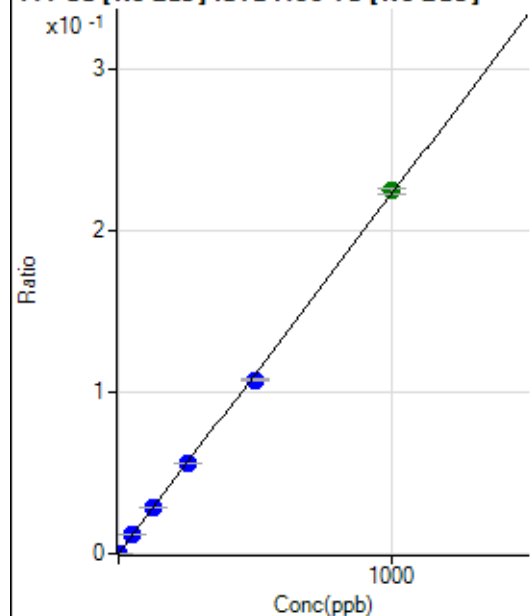
$$DL = 0.01272$$

$$BEC = 0.01146$$

Weight: <None>

Min Conc: 0

111 Cd [No Gas] ISTD:159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	848.00	0.0001	P	5.1
2	☐	0.100					
3	☐	1.000	0.989	2592.60	0.0003	P	2.4
4	☐	50.000	51.783	93354.45	0.0116	P	0.8
5	☐	125.000	127.765	231916.48	0.0285	P	1.2
6	☐	250.000	249.793	462629.06	0.0557	P	0.4
7	☐	500.000	481.790	916264.42	0.1072	P	0.8
8	☐	1000.000	1008.722	1891182.75	0.2244	A	1.3
9	☐			963.83	0.0001	P	6.1

$$y = 2.2237E-004 * x + 1.1090E-004$$

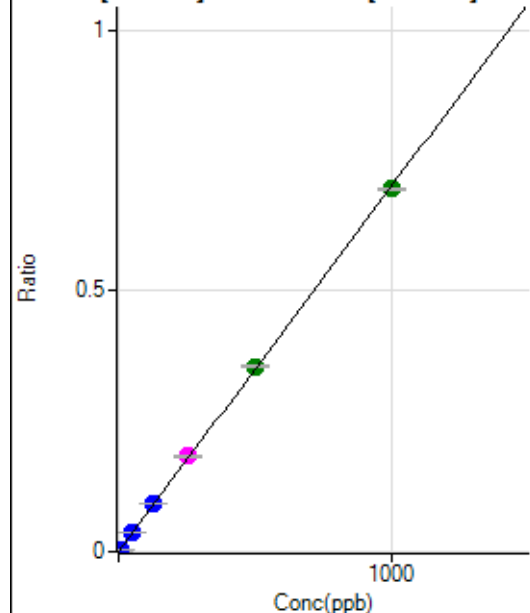
$$R = 0.9997$$

$$DL = 0.07654$$

$$BEC = 0.4987$$

Weight: <None>

Min Conc: 0

118 Sn [No Gas] ISTD :159 Tb [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1050.09	0.0001	P	7.4
2	☐	0.500					
3	☐	5.000	4.868	27799.20	0.0035	P	2.8
4	☐	50.000	52.872	298577.41	0.0372	P	0.2
5	☐	125.000	133.059	759206.81	0.0934	P	0.9
6	☐	250.000	261.184	1522270.68	0.1831	M	0.7
7	☐	500.000	506.215	3031473.42	0.3548	A	0.8
8	☐	1000.000	992.946	5864111.94	0.6959	A	0.6
9	☐			2636.50	0.0003	P	4.6

$$y = 7.0067\text{E-}004 * x + 1.3748\text{E-}004$$

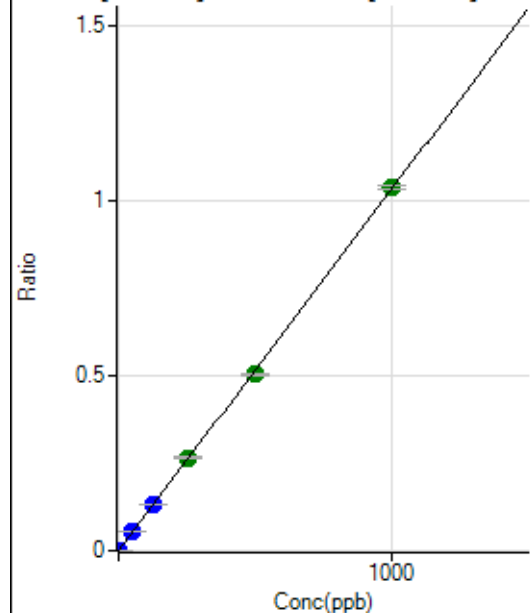
$$R = 0.9999$$

$$DL = 0.04349$$

$$BEC = 0.1962$$

Weight: <None>

Min Conc: 0

121 Sb [No Gas] ISTD :159 Tb [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	75.01	0.0000	P	27.1
2	☐	0.200					
3	☐	2.000	1.937	15759.88	0.0020	P	5.6
4	☐	50.000	50.946	423173.75	0.0527	P	0.9
5	☐	125.000	127.528	1072542.89	0.1319	P	1.2
6	☐	250.000	257.587	2214495.90	0.2664	A	1.0
7	☐	500.000	487.635	4308935.34	0.5043	A	0.7
8	☐	1000.000	1003.922	8749876.84	1.0383	A	1.1
9	☐			9498.19	0.0013	P	3.1

$$y = 0.0010 * x + 9.7683\text{E-}006$$

$$R = 0.9999$$

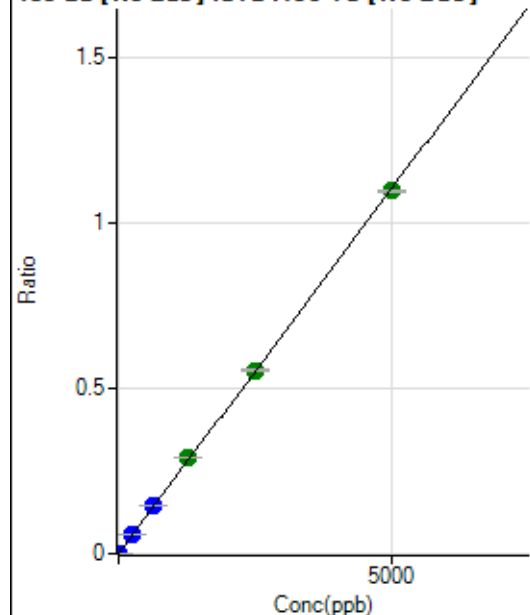
$$DL = 0.007691$$

$$BEC = 0.009445$$

Weight: <None>

Min Conc: 0

135 Ba [No Gas] ISTD :159 Tb [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	55.4
2	☐	1.000					
3	☐	10.000	9.580	16577.72	0.0021	P	3.5
4	☐	250.000	258.980	458813.89	0.0571	P	0.3
5	☐	625.000	652.580	1170681.23	0.1440	P	0.9
6	☐	1250.000	1317.338	2415706.26	0.2906	A	1.3
7	☐	2500.000	2512.534	4735706.57	0.5543	A	0.9
8	☐	5000.000	4973.003	9245601.68	1.0971	A	0.8
9	☐			2025.25	0.0003	P	13.8

$$y = 2.2062\text{E-}004 * x + 2.8658\text{E-}006$$

$$R = 0.9999$$

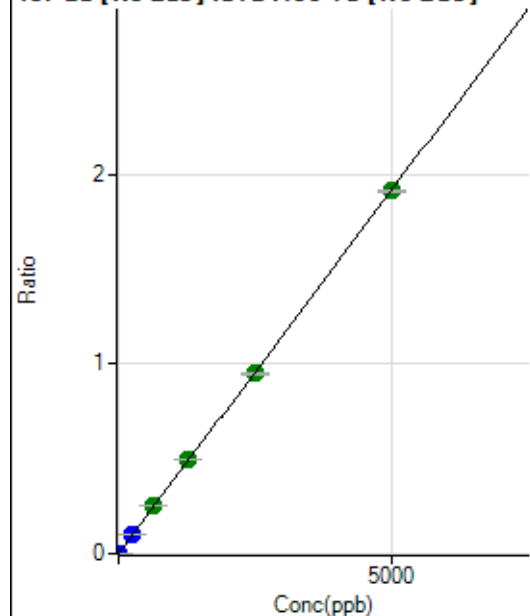
$$DL = 0.02161$$

$$BEC = 0.01299$$

Weight: <None>

Min Conc: 0

137 Ba [No Gas] ISTD :159 Tb [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.67	0.0000	P	36.8
2	☐	1.000					
3	☐	10.000	9.370	28222.75	0.0036	P	5.0
4	☐	250.000	260.220	801198.74	0.0998	P	0.5
5	☐	625.000	664.475	2071518.58	0.2548	A	1.2
6	☐	1250.000	1296.163	4130661.60	0.4970	A	0.6
7	☐	2500.000	2484.526	8138022.67	0.9526	A	1.0
8	☐	5000.000	4990.752	16124911.82	1.9134	A	0.2
9	☐			3617.31	0.0005	P	3.0

$$y = 3.8339\text{E-}004 * x + 1.1866\text{E-}005$$

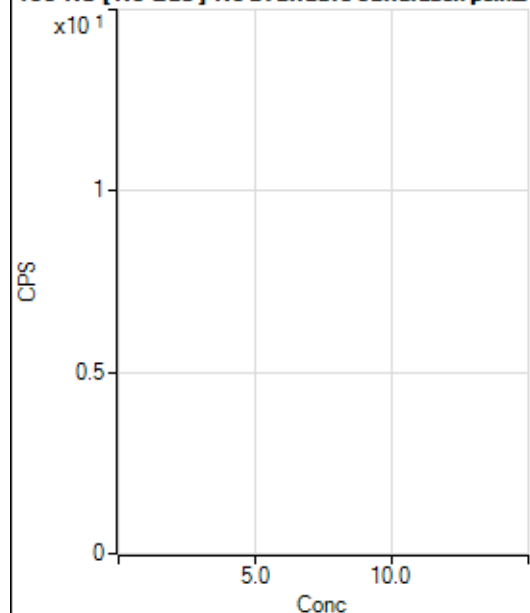
$$R = 0.9999$$

$$DL = 0.03419$$

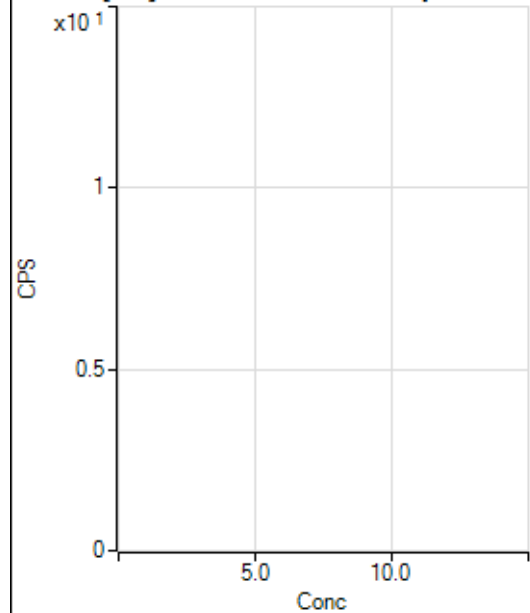
$$BEC = 0.03095$$

Weight: <None>

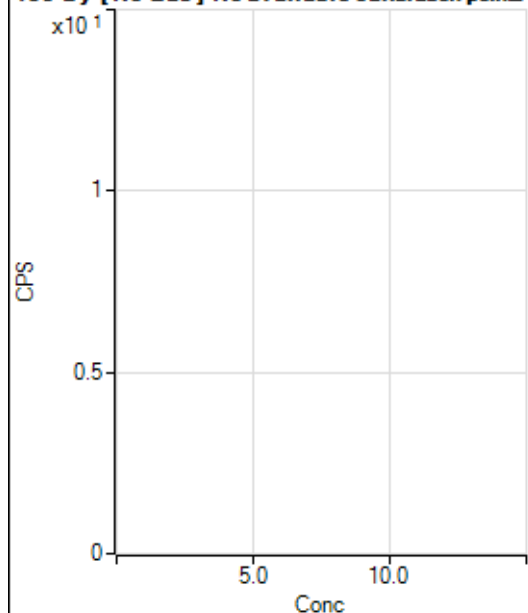
Min Conc: 0

150 Nd [No Gas] No available calibration points

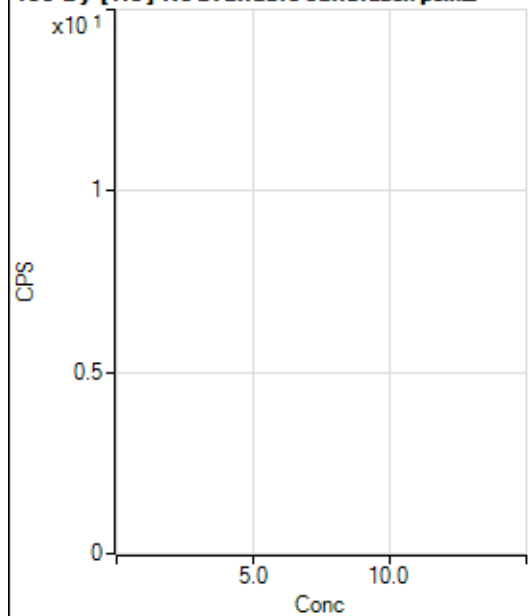
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	43.3
2	☐						
3	☐			6.67		P	100.
4	☐			33.33		P	40.0
5	☐			55.56		P	36.7
6	☐			151.12		P	22.2
7	☐			206.68		P	28.1
8	☐			373.35		P	17.6
9	☐			95.56		P	26.4

150 Nd [He] No available calibration points

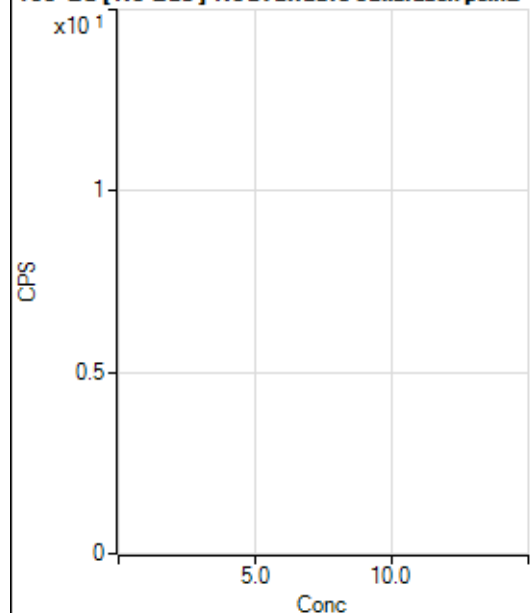
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			1.11		P	173.
5	☐			4.44		P	114.
6	☐			0.00		P	
7	☐			4.44		P	173.
8	☐			6.67		P	50.0
9	☐			14.45		P	48.0

156 Dy [No Gas] No available calibration points

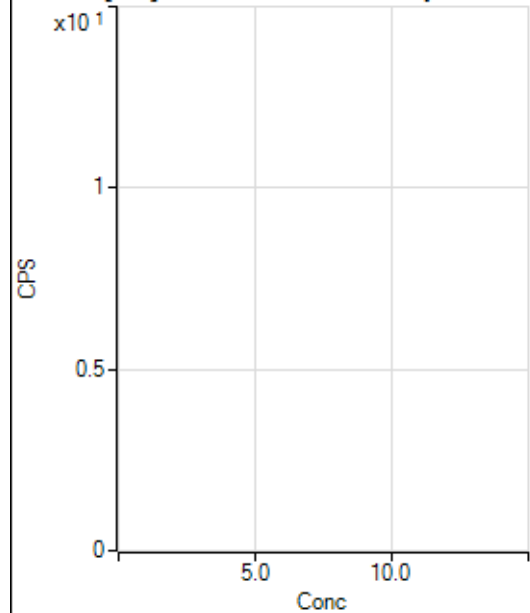
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	86.6
2	☐						
3	☐			8.33		P	100.
4	☐			38.89		P	65.5
5	☐			19.45		P	24.7
6	☐			41.67		P	52.9
7	☐			94.45		P	13.5
8	☐			119.45		P	28.2
9	☐			50.00		P	16.7

156 Dy [He] No available calibration points

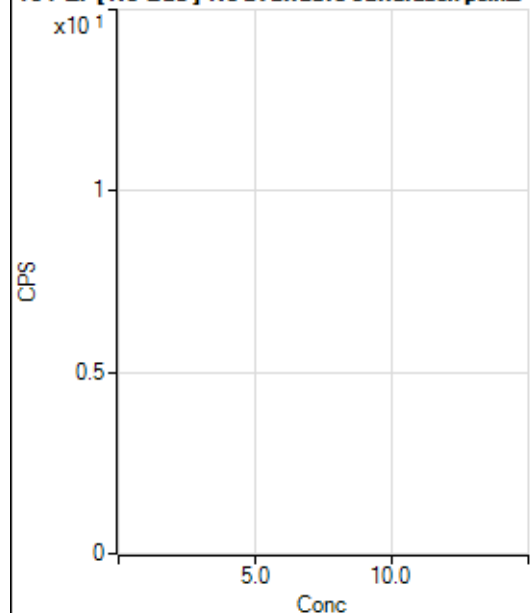
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			3.33		P	100.
4	☐			1.11		P	173.
5	☐			5.56		P	91.6
6	☐			4.44		P	43.4
7	☐			6.67		P	100.
8	☐			17.78		P	28.6
9	☐			5.55		P	69.3

160 Gd [No Gas] Noavailable calibration poin...

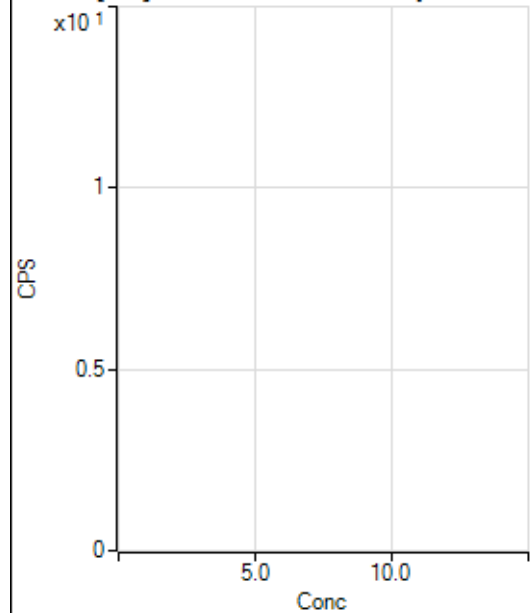
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	22.9
2	☐						
3	☐			63.89		P	60.2
4	☐			72.22		P	52.0
5	☐			55.56		P	31.2
6	☐			47.23		P	20.4
7	☐			63.89		P	19.9
8	☐			108.34		P	27.7
9	☐			94.45		P	20.4

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	50.0
2	☐						
3	☐			4.44		P	114.
4	☐			7.78		P	24.7
5	☐			12.22		P	56.8
6	☐			18.89		P	27.0
7	☐			20.00		P	28.9
8	☐			21.11		P	32.9
9	☐			23.33		P	37.8

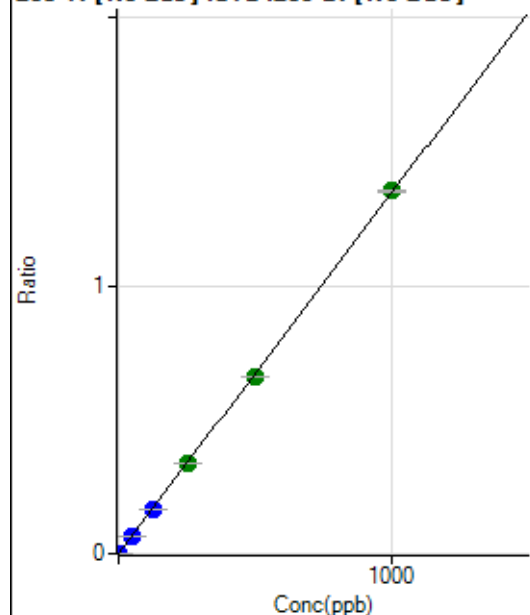
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.11		P	13.3
2	☐						
3	☐			44.45		P	39.0
4	☐			41.67		P	52.9
5	☐			36.11		P	35.3
6	☐			52.78		P	63.8
7	☐			38.89		P	24.7
8	☐			69.45		P	27.7
9	☐			52.78		P	18.2

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	50.0
2	☐						
3	☐			7.78		P	65.5
4	☐			4.44		P	43.4
5	☐			4.44		P	43.4
6	☐			10.00		P	66.7
7	☐			10.00		P	57.7
8	☐			7.78		P	65.5
9	☐			5.55		P	69.3

203 Tl [No Gas] ISTD :209 Bi [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	122.23	0.0000	P	34.1
2	☐	0.100					
3	☐	1.000	0.930	6526.98	0.0013	P	7.0
4	☐	50.000	48.169	340908.99	0.0649	P	0.9
5	☐	125.000	122.172	876381.94	0.1646	P	0.6
6	☐	250.000	250.440	1843655.01	0.3373	A	0.4
7	☐	500.000	489.548	3776434.24	0.6594	A	0.7
8	☐	1000.000	1005.561	7672493.75	1.3544	A	0.7
9	☐			2592.06	0.0005	P	13.8

$$y = 0.0013 * x + 2.4724E-005$$

$$R = 0.9999$$

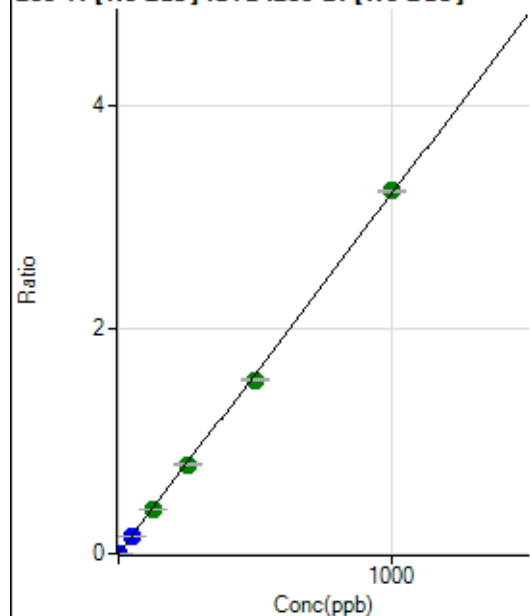
$$DL = 0.01879$$

$$BEC = 0.01836$$

Weight: <None>

Min Conc: 0

205 Tl [No Gas] ISTD :209 Bi [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	294.46	0.0001	P	12.3
2	☐	0.100					
3	☐	1.000	0.956	15988.48	0.0031	P	3.7
4	☐	50.000	48.592	819774.94	0.1561	P	0.9
5	☐	125.000	124.369	2126689.59	0.3994	A	0.0
6	☐	250.000	248.052	4352764.42	0.7965	A	1.0
7	☐	500.000	483.802	8896570.08	1.5534	A	0.7
8	☐	1000.000	1008.735	18347455.10	3.2387	A	0.3
9	☐			6093.40	0.0012	P	5.3

$$y = 0.0032 * x + 5.9614E-005$$

$$R = 0.9998$$

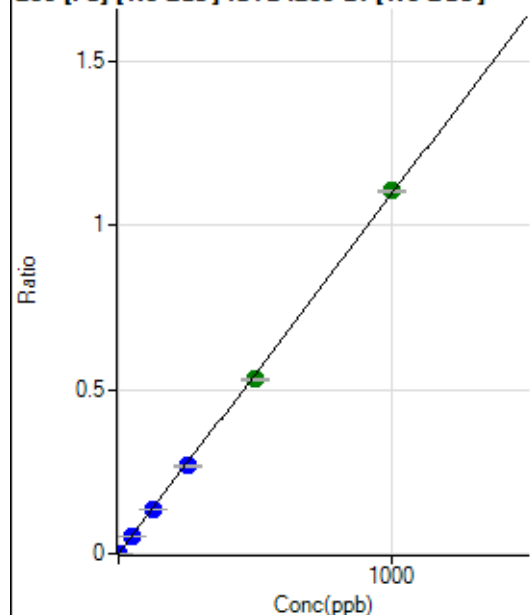
$$DL = 0.00686$$

$$BEC = 0.01857$$

Weight: <None>

Min Conc: 0

206 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	455.58	0.0001	P	17.9
2	☐	0.100					
3	☐	1.000	0.939	5718.14	0.0011	P	3.6
4	☐	50.000	48.250	277632.46	0.0529	P	0.2
5	☐	125.000	121.723	709292.87	0.1332	P	0.4
6	☐	250.000	243.910	1458150.24	0.2668	P	0.8
7	☐	500.000	485.612	3041756.26	0.5311	A	0.9
8	☐	1000.000	1009.214	6252153.79	1.1037	A	0.8
9	☐			6283.20	0.0013	P	1.2

$$y = 0.0011 * x + 9.1966E-005$$

$$R = 0.9998$$

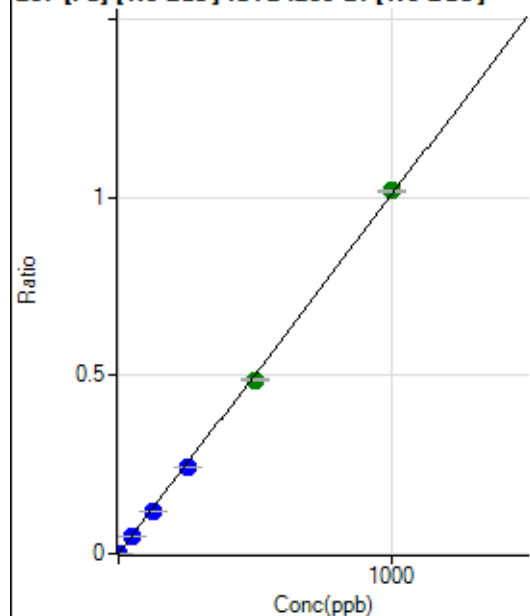
$$DL = 0.04509$$

$$BEC = 0.0841$$

Weight: <None>

Min Conc: 0

207 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	366.68	0.0001	P	13.7
2	☐	0.100					
3	☐	1.000	0.916	5097.48	0.0010	P	7.2
4	☐	50.000	47.741	253182.54	0.0482	P	0.6
5	☐	125.000	119.882	643916.54	0.1209	P	0.6
6	☐	250.000	240.980	1327974.71	0.2430	P	1.2
7	☐	500.000	483.914	2794216.87	0.4879	A	0.9
8	☐	1000.000	1011.051	5774063.73	1.0193	A	0.2
9	☐			5447.64	0.0011	P	1.9

$$y = 0.0010 * x + 7.4262E-005$$

$$R = 0.9998$$

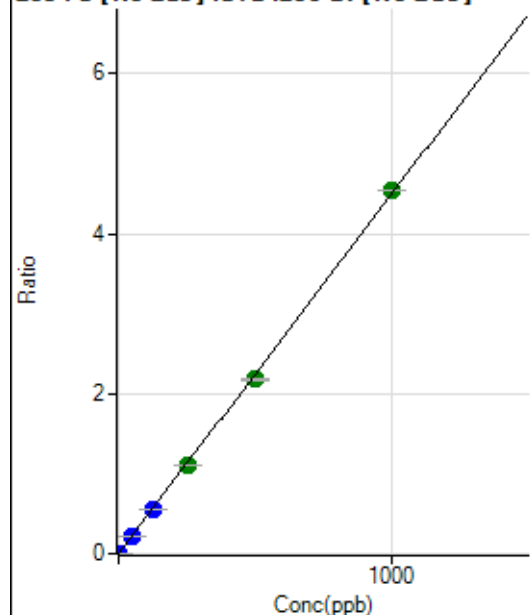
$$DL = 0.03021$$

$$BEC = 0.07367$$

Weight: <None>

Min Conc: 0

208 Pb [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1746.41	0.0004	P	6.3
2	☐	0.100					
3	☐	1.000	0.927	23086.70	0.0045	P	2.6
4	☐	50.000	48.054	1135829.10	0.2162	P	0.4
5	☐	125.000	120.902	2894225.38	0.5435	P	0.5
6	☐	250.000	245.641	6032903.52	1.1039	A	1.0
7	☐	500.000	484.997	12480598.46	2.1792	A	1.0
8	☐	1000.000	1009.201	25685849.65	4.5341	A	0.1
9	☐			25051.16	0.0051	P	0.6

$$y = 0.0045 * x + 3.5278E-004$$

$$R = 0.9998$$

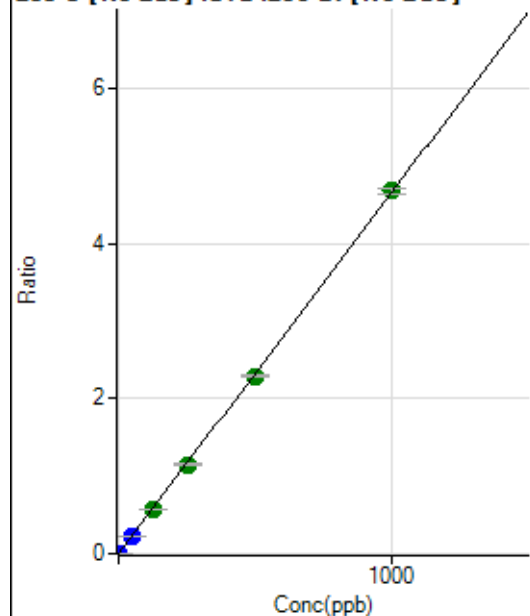
$$DL = 0.01486$$

$$BEC = 0.07853$$

Weight: <None>

Min Conc: 0

238 U [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	280.57	0.0001	P	7.2
2	☐	0.100					
3	☐	1.000	0.846	20456.49	0.0040	P	0.9
4	☐	50.000	47.425	1161978.79	0.2212	P	0.4
5	☐	125.000	123.509	3067369.71	0.5760	A	0.6
6	☐	250.000	246.574	6284164.55	1.1499	A	2.0
7	☐	500.000	492.173	13145317.31	2.2952	A	0.8
8	☐	1000.000	1005.085	26551595.21	4.6871	A	1.4
9	☐			1611.30	0.0003	P	11.9

$$y = 0.0047 * x + 5.6715E-005$$

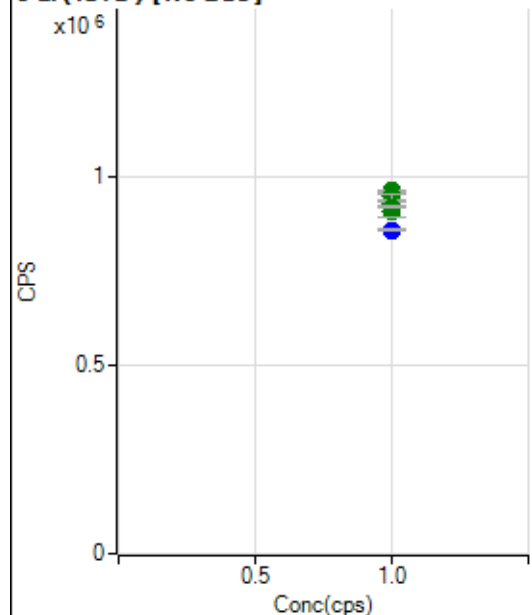
$$R = 0.9999$$

$$DL = 0.002611$$

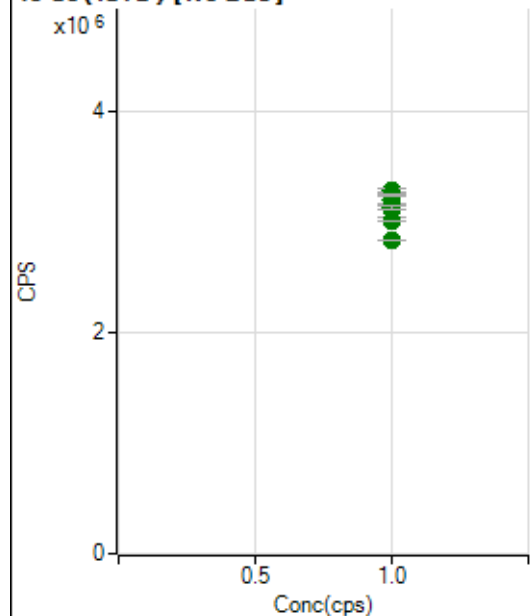
$$BEC = 0.01216$$

Weight: <None>

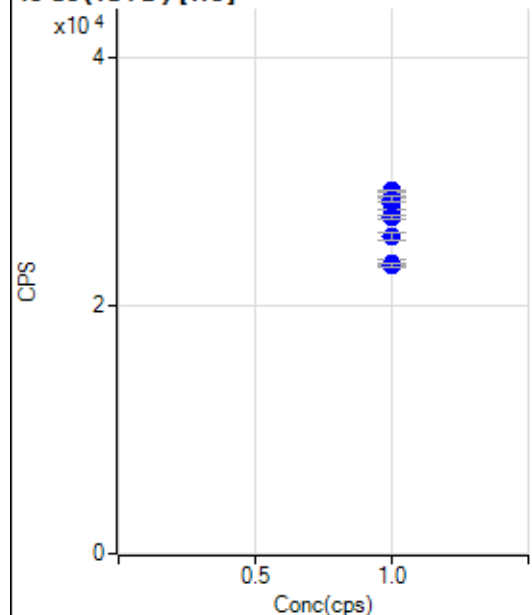
Min Conc: 0

6 Li (ISTD) [No Gas]

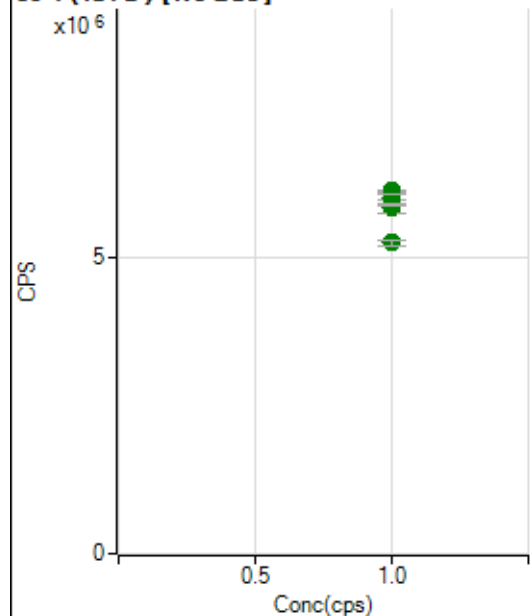
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		905909.93		A	3.4
2	☐	1.000					
3	☐	1.000		928551.05		A	2.4
4	☐	1.000		936593.24		A	0.9
5	☐	1.000		957040.71		A	0.4
6	☐	1.000		961890.57		A	0.8
7	☐	1.000		946531.77		A	1.8
8	☐	1.000		918818.03		A	0.5
9	☐	1.000		858793.81		P	1.1

45 Sc (ISTD) [No Gas]

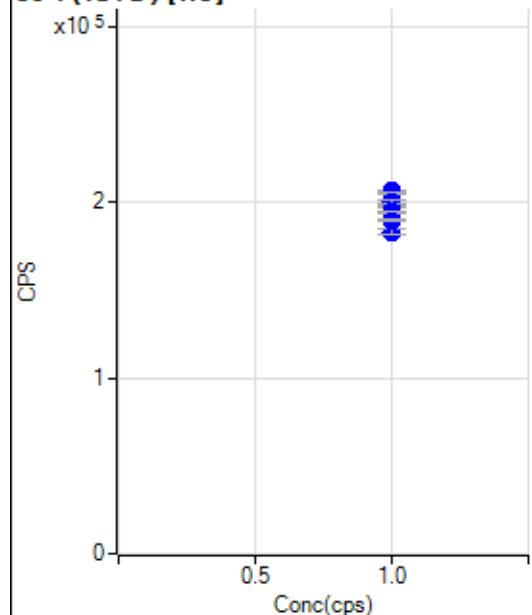
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3107217.00		A	4.1
2	☐	1.000					
3	☐	1.000		3208131.50		A	2.7
4	☐	1.000		3282347.53		A	1.2
5	☐	1.000		3250486.66		A	0.3
6	☐	1.000		3246662.83		A	0.9
7	☐	1.000		3126156.97		A	0.9
8	☐	1.000		3004915.36		A	0.2
9	☐	1.000		2831895.29		A	0.1

45 Sc (ISTD) [He]

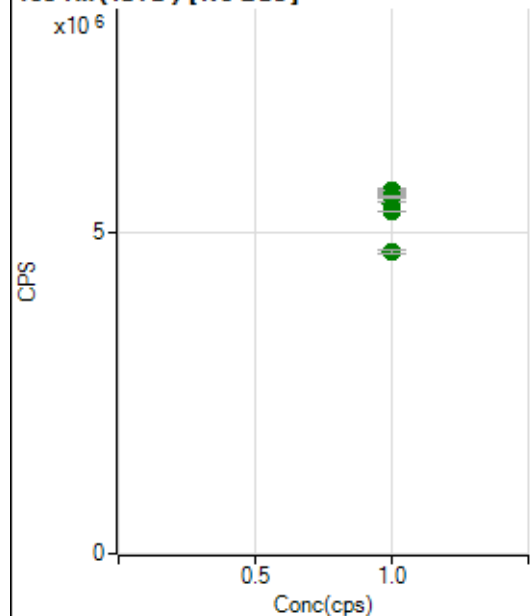
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		27698.61		P	0.3
2	☐	1.000					
3	☐	1.000		29203.87		P	0.9
4	☐	1.000		28175.17		P	3.0
5	☐	1.000		28515.81		P	1.4
6	☐	1.000		27047.27		P	0.9
7	☐	1.000		25522.29		P	2.3
8	☐	1.000		23406.35		P	1.8
9	☐	1.000		23235.00		P	0.9

89 Y (ISTD) [No Gas]

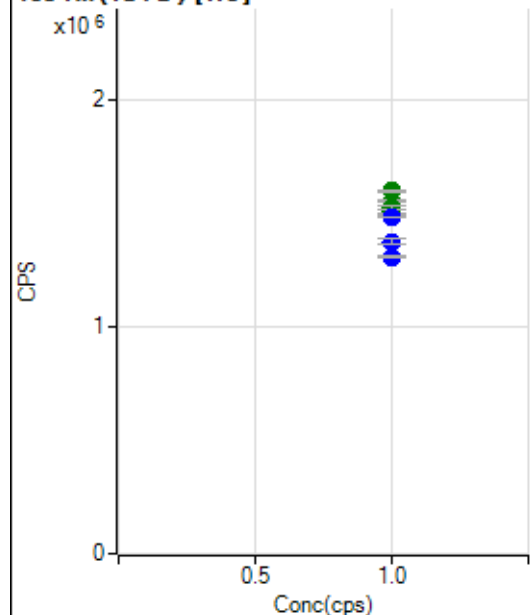
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5842462.35		A	4.0
2	☐	1.000					
3	☐	1.000		5989787.27		A	3.3
4	☐	1.000		6086761.71		A	0.3
5	☐	1.000		6083937.55		A	0.4
6	☐	1.000		6111496.51		A	0.8
7	☐	1.000		6049058.66		A	0.3
8	☐	1.000		5874534.56		A	0.3
9	☐	1.000		5235019.05		A	2.1

89 Y (ISTD) [He]

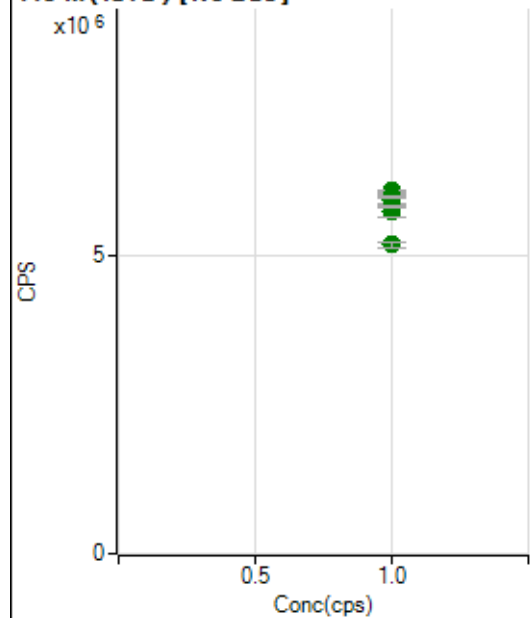
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		198070.65		P	1.2
2	☐	1.000					
3	☐	1.000		206624.11		P	0.9
4	☐	1.000		201512.31		P	3.4
5	☐	1.000		205168.41		P	0.7
6	☐	1.000		200809.04		P	0.9
7	☐	1.000		194758.93		P	0.5
8	☐	1.000		183126.34		P	1.5
9	☐	1.000		189711.17		P	0.5

103 Rh (ISTD) [No Gas]

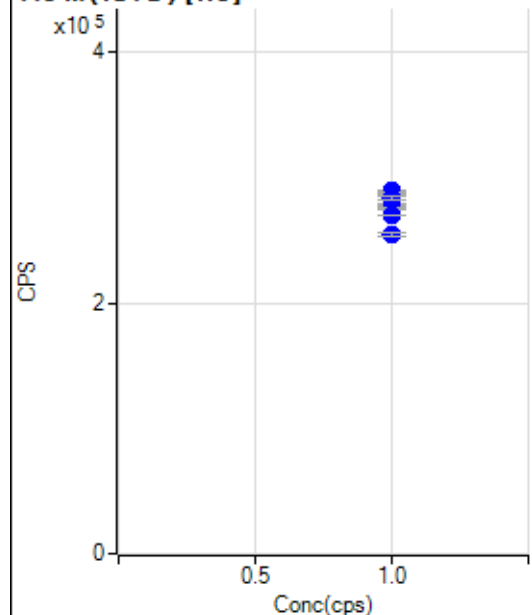
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5431268.57		A	3.6
2	☐	1.000					
3	☐	1.000		5556984.98		A	2.6
4	☐	1.000		5638479.08		A	0.5
5	☐	1.000		5638597.09		A	1.3
6	☐	1.000		5628456.33		A	0.7
7	☐	1.000		5555499.08		A	0.7
8	☐	1.000		5326993.48		A	0.1
9	☐	1.000		4700151.28		A	1.2

103 Rh (ISTD) [He]

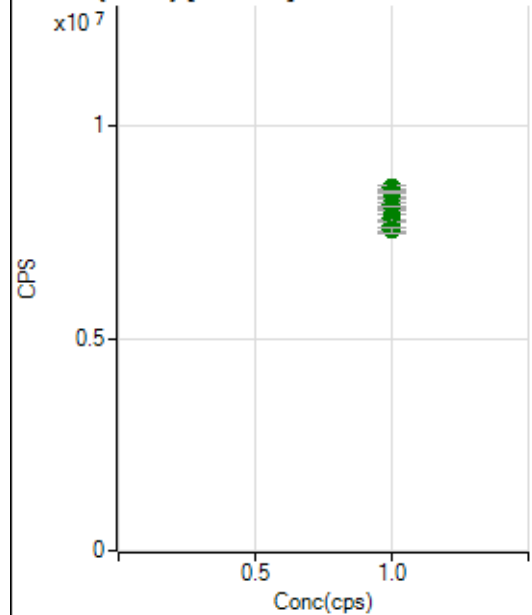
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1495827.98		M	0.8
2	☐	1.000					
3	☐	1.000		1597751.54		A	0.6
4	☐	1.000		1508928.22		A	3.5
5	☐	1.000		1552810.95		A	0.7
6	☐	1.000		1526854.75		A	1.1
7	☐	1.000		1481414.28		P	0.3
8	☐	1.000		1376070.36		P	1.5
9	☐	1.000		1305627.95		P	0.6

115 In (ISTD) [No Gas]

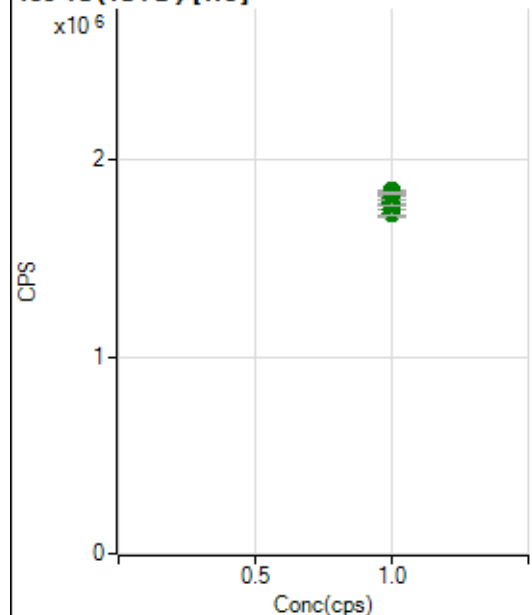
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5743671.71		A	3.5
2	☐	1.000					
3	☐	1.000		5926974.74		A	2.4
4	☐	1.000		6023250.09		A	0.7
5	☐	1.000		6039268.13		A	0.9
6	☐	1.000		6076097.08		A	0.5
7	☐	1.000		5983479.53		A	0.5
8	☐	1.000		5807444.27		A	0.2
9	☐	1.000		5174249.86		A	2.0

115 In (ISTD) [He]

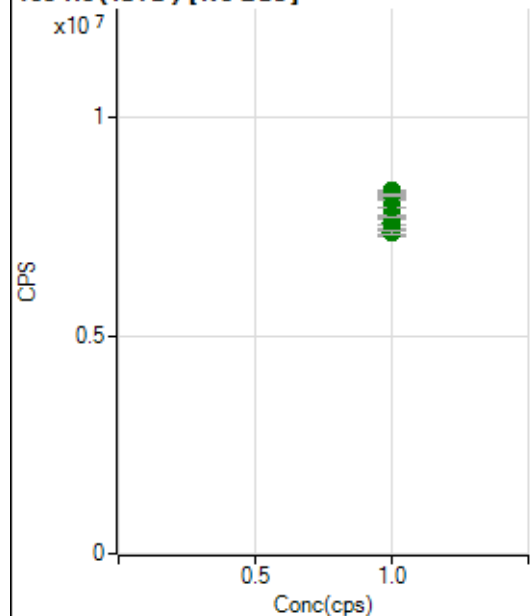
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		277695.77		P	0.8
2	☐	1.000					
3	☐	1.000		289440.89		P	0.3
4	☐	1.000		281900.11		P	3.3
5	☐	1.000		287826.14		P	0.4
6	☐	1.000		283426.35		P	1.2
7	☐	1.000		275233.05		P	0.5
8	☐	1.000		254559.55		P	1.6
9	☐	1.000		270098.08		P	0.2

159 Tb (ISTD) [No Gas]

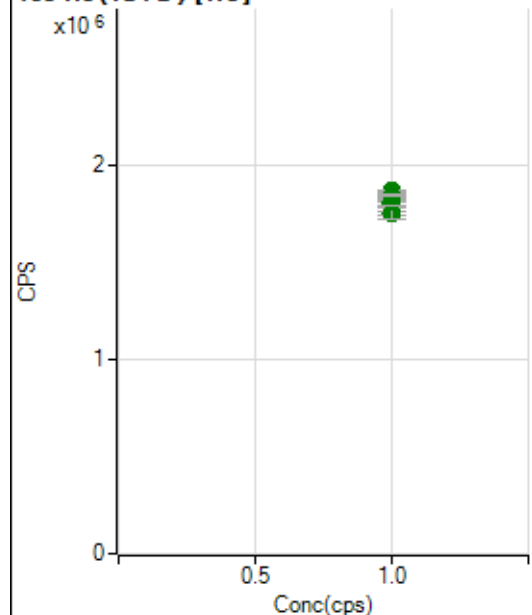
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7649997.04		A	4.0
2	☐	1.000					
3	☐	1.000		7837309.95		A	2.8
4	☐	1.000		8029847.59		A	0.2
5	☐	1.000		8131749.18		A	1.2
6	☐	1.000		8312109.39		A	0.3
7	☐	1.000		8543940.15		A	1.1
8	☐	1.000		8427311.75		A	0.6
9	☐	1.000		7542513.15		A	1.4

159 Tb (ISTD) [He]

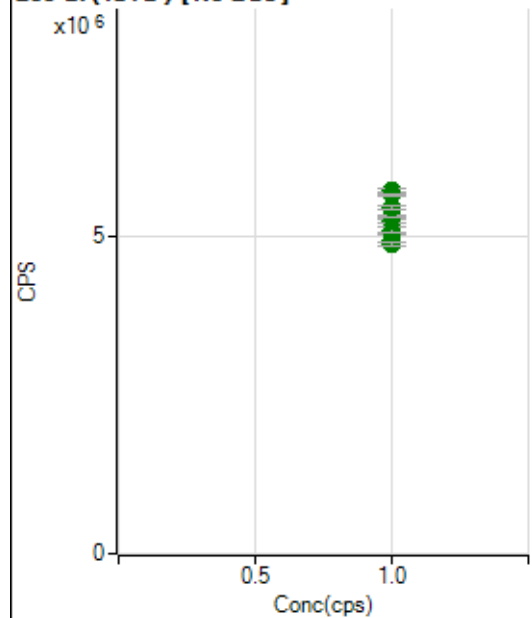
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1728931.55		A	2.0
2	☐	1.000					
3	☐	1.000		1789697.47		A	1.1
4	☐	1.000		1749981.78		A	3.8
5	☐	1.000		1811874.92		A	1.1
6	☐	1.000		1838677.84		A	0.6
7	☐	1.000		1843445.25		A	0.2
8	☐	1.000		1782694.64		A	1.5
9	☐	1.000		1830941.43		A	0.3

165 Ho (ISTD) [No Gas]

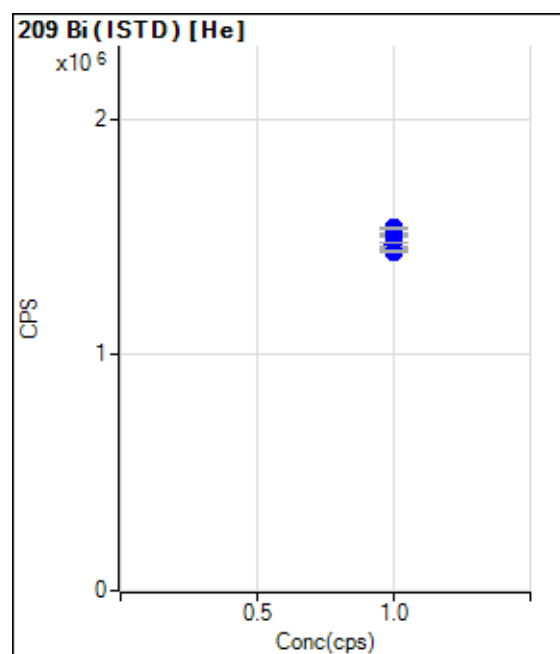
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7403891.49		A	3.9
2	☐	1.000					
3	☐	1.000		7560738.02		A	2.7
4	☐	1.000		7741036.11		A	0.9
5	☐	1.000		7933208.25		A	0.5
6	☐	1.000		8117192.89		A	0.6
7	☐	1.000		8316608.43		A	0.4
8	☐	1.000		8227108.08		A	0.4
9	☐	1.000		7351723.08		A	1.2

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1753824.71		A	1.2
2	☐	1.000					
3	☐	1.000		1804134.36		A	0.7
4	☐	1.000		1755672.57		A	3.1
5	☐	1.000		1828548.51		A	0.4
6	☐	1.000		1867764.07		A	0.4
7	☐	1.000		1870405.96		A	0.5
8	☐	1.000		1811263.78		A	1.9
9	☐	1.000		1848143.04		A	0.6

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4954786.07		A	3.9
2	☐	1.000					
3	☐	1.000		5112002.22		A	2.0
4	☐	1.000		5252850.38		A	0.7
5	☐	1.000		5325212.21		A	0.5
6	☐	1.000		5465502.70		A	1.2
7	☐	1.000		5727579.92		A	1.2
8	☐	1.000		5664971.44		A	0.4
9	☐	1.000		4891450.03		A	1.4



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1448284.68		P	1.2
2	☐	1.000					
3	☐	1.000		1511839.96		P	0.2
4	☐	1.000		1476106.12		P	3.5
5	☐	1.000		1518138.28		P	0.3
6	☐	1.000		1535618.90		P	0.3
7	☐	1.000		1539110.40		P	0.2
8	☐	1.000		1468564.91		P	1.3
9	☐	1.000		1438579.26		P	0.4

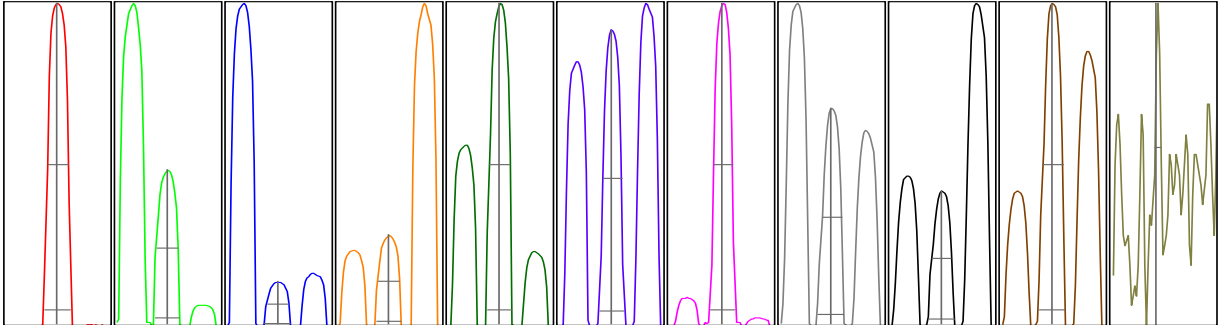
US EPA Tune Check Sample Report

Batch Folder D:\P8100517- MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	5837	0.75	5.00	
24	36721	1.15	5.00	
25	5025	1.12	5.00	
26	5935	1.23	5.00	
59	67175	1.42	5.00	
113	9541	1.78	5.00	
115	121295	1.90	5.00	
206	28512	1.92	5.00	
207	25807	1.78	5.00	
208	62104	1.72	5.00	
220	1	21.59		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	5891	5831	5770	5842	5850
24	37393	36483	36635	36290	36802
25	5104	4971	5044	4970	5036
26	6047	5883	5952	5861	5931
59	68513	66447	66807	66287	67823
113	9620	9541	9266	9551	9724
115	120964	122077	117771	121509	124152
206	28175	29208	27785	28647	28745
207	25592	26352	25143	25943	26006
208	61707	63269	60468	62619	62456
220	1	2	2	1	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	9563	9.00	8.9 - 9.1		0.778	0.900	
24	60320	24.00	23.9 - 24.1		0.741	0.900	
25	8226	25.00	24.9 - 25.1		0.743	0.900	
26	9770	26.00	25.9 - 26.1		0.740	0.900	
59	114032	59.00	58.9 - 59.1		0.737	0.900	
113	17691	113.05	112.9 - 113.1		0.729	0.900	
115	222190	115.05	114.9 - 115.1		0.731	0.900	
206	51518	206.00	205.9 - 206.1		0.771	0.900	
207	46157	207.00	206.9 - 207.1		0.754	0.900	
208	110679	208.00	207.9 - 208.1		0.777	0.900	
220	2	219.80	-				

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 268 Y Axis = Linear

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Plasma Mode		HMI	Aerosol Dilution		HMI-8			

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	9.9	V	Deflect	14.4	V
Extract 2	-240.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-110	V	Cell Exit	-50	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	No		OctP Bias	-8.0	V	Energy Discrimination	5.0	V
He Flow	0.0	mL/min	OctP RF	200	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	8916	0.76	
89	2225	0.79	
205	14956	0.65	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	9007	8911	8950	8825	8886
89	2247	2231	2233	2209	2206
205	15112	14952	14938	14846	14930

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Plasma Mode		HMI	Aerosol Dilution		HMI-8			

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	9.9	V	Deflect	2.2	V
Extract 2	-240.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-110	V	Cell Exit	-60	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	Yes		OctP Bias	-18.0	V	Energy Discrimination	5.0	V
He Flow	5.0	mL/min	OctP RF	200	V			

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:46:53	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.89	0.89	-1.78	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.03	0.01	0.01	0.00	N/A	ppb
Barium	135-1	0.00	-0.01	0.01	0.00	N/A	ppb
Barium	137-1	0.01	-0.01	0.01	0.00	N/A	ppb
Beryllium	9-1	-0.04	0.01	0.03	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.00	0.23	-0.23	0.00	N/A	ppb
Boron	11-1	-0.22	0.13	0.10	0.00	N/A	ppb
Cadmium	111-1	0.02	0.01	-0.03	0.00	N/A	ppb
Cadmium	106-1	0.17	0.15	-0.32	0.00	N/A	ppb
Cadmium	108-1	-0.08	-0.01	0.09	0.00	N/A	ppb
Calcium	43-1	5.32	0.34	-5.66	0.00	N/A	ppb
Calcium	44-1	0.46	2.92	-3.38	0.00	N/A	ppb
Chromium	52-2	0.02	-0.01	-0.01	0.00	N/A	ppb
Cobalt	59-2	0.01	-0.01	0.00	0.00	N/A	ppb
Copper	63-2	0.03	-0.02	-0.01	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.11	-0.14	0.03	0.00	N/A	ppb
Iron	57-2	0.53	-0.26	-0.27	0.00	N/A	ppb
Lead	206-1	0.01	0.01	-0.02	0.00	N/A	ppb
Lead	207-1	-0.01	0.01	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	-0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	1.52	-1.72	0.20	0.00	N/A	ppb
Manganese	55-2	-0.04	0.06	-0.02	0.00	N/A	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:46:53	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.01	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	97-1	0.02	-0.02	-0.01	0.00	N/A	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	-0.10	0.05	0.00	N/A	ppb
Phosphorus	31-2	-12.75	7.20	-12.75	-6.10		ppb
Potassium	39-2	2.38	-2.12	-0.25	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	82-1	0.04	0.23	-0.27	0.00	N/A	ppb
Silicon	28-1	-3.54	4.63	-1.09	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-1.35	1.65	-0.30	0.00	N/A	ppb
Strontium	86-1	-0.01	-0.01	0.03	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-345.14	812.28	-265.99	67.05	964.35	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	-0.01	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.02	0.01	0.00	0.00	N/A	ppb
Titanium	47-1	-0.02	0.00	0.01	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.01	-0.01	0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.13	0.21	-0.08	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:46:53	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	-0.01	0.01	0.00	0.00	N/A	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:53:50	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15.97	11.90	10.78	12.88	21.22	ppb
Antimony	121-1	1.88	2.06	1.87	1.94	5.65	ppb
Arsenic	75-2	0.94	1.03	0.91	0.96	6.75	ppb
Barium	135-1	9.25	9.93	9.56	9.58	3.53	ppb
Barium	137-1	9.32	9.86	8.93	9.37	5.00	ppb
Beryllium	9-1	1.06	0.98	1.00	1.01	3.88	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Boron	10-1	23.17	25.97	23.48	24.21	6.34	ppb
Boron	11-1	22.77	25.52	23.88	24.06	5.76	ppb
Cadmium	111-1	0.95	1.00	1.02	0.99	3.59	ppb
Cadmium	106-1	0.09	1.82	0.62	0.84	105.37	ppb
Cadmium	108-1	0.61	0.97	0.68	0.75	25.43	ppb
Calcium	43-1	471.49	518.32	426.13	471.98	9.77	ppb
Calcium	44-1	449.38	474.19	452.03	458.53	2.97	ppb
Chromium	52-2	2.03	2.10	1.81	1.98	7.65	ppb
Cobalt	59-2	0.95	0.94	0.91	0.93	2.09	ppb
Copper	63-2	1.88	1.75	1.76	1.80	4.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	46.15	45.76	45.28	45.73	0.95	ppb
Iron	57-2	45.81	51.64	44.71	47.39	7.86	ppb
Lead	206-1	0.90	0.96	0.96	0.94	3.90	ppb
Lead	207-1	0.86	1.00	0.89	0.92	7.78	ppb
Lead	208-1	0.90	0.95	0.92	0.93	2.79	ppb
Lithium	6-1				102		%
Magnesium	24-2	505.42	452.94	471.47	476.61	5.59	ppb
Manganese	55-2	0.98	0.91	1.10	1.00	9.63	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:53:50	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.83	2.03	1.91	1.92	5.11	ppb
Molybdenum	95-1	4.28	4.48	4.48	4.41	2.63	ppb
Molybdenum	96-1	3.82	4.15	3.88	3.95	4.47	ppb
Molybdenum	97-1	4.19	4.37	4.46	4.34	3.17	ppb
Molybdenum	98-1	4.27	4.78	4.33	4.46	6.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.99	0.90	0.95	0.95	4.75	ppb
Phosphorus	31-2	-12.75	5.97	25.09	6.10	310.07	ppb
Potassium	39-2	451.10	456.78	459.62	455.84	0.95	ppb
Rhodium	103-1				102		%
Rhodium	103-2				107		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	77-2	0.00	0.00	4.50	1.50	173.21	ppb
Selenium	78-2	6.31	5.49	4.65	5.48	15.10	ppb
Selenium	82-1	4.78	4.67	4.22	4.56	6.50	ppb
Silicon	28-1	9.48	14.46	11.07	11.67	21.79	ppb
Silver	109-1	1.01	1.01	0.99	1.00	1.34	ppb
Silver	107-1	0.99	1.05	1.01	1.02	3.04	ppb
Sodium	23-2	501.16	516.72	507.05	508.31	1.55	ppb
Strontium	86-1	0.91	1.03	0.93	0.96	6.69	ppb
Strontium	88-1	0.93	0.93	0.91	0.92	1.19	ppb
Sulfur	34-1	-241.25	352.55	-312.45	-67.05		ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	0.90	1.01	0.89	0.93	7.12	ppb
Thallium	205-1	0.92	0.99	0.97	0.96	3.78	ppb
Tin	118-1	4.88	5.01	4.72	4.87	2.94	ppb
Titanium	47-1	4.28	4.65	4.40	4.44	4.29	ppb
Uranium	238-1	0.84	0.85	0.84	0.85	0.95	ppb
Vanadium	51-2	4.58	4.41	4.34	4.44	2.80	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	1.72	2.36	1.91	2.00	16.31	ppb
Zirconium	90-1	0.90	0.93	0.87	0.90	3.32	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:53:50	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.84	0.95	0.90	0.90	6.20	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:57:20	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	892.57	1000.08	926.95	939.87	5.84	ppb
Antimony	121-1	50.68	50.70	51.46	50.95	0.88	ppb
Arsenic	75-2	50.41	54.90	52.23	52.51	4.30	ppb
Barium	135-1	259.74	258.37	258.83	258.98	0.27	ppb
Barium	137-1	261.17	258.84	260.65	260.22	0.47	ppb
Beryllium	9-1	52.54	53.09	53.05	52.89	0.58	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Boron	10-1	57.11	55.11	55.06	55.76	2.09	ppb
Boron	11-1	55.41	55.00	58.10	56.17	3.00	ppb
Cadmium	111-1	52.26	51.52	51.57	51.78	0.81	ppb
Cadmium	106-1	52.67	52.17	54.13	52.99	1.92	ppb
Cadmium	108-1	51.60	54.07	53.71	53.13	2.51	ppb
Calcium	43-1	5080.61	4968.12	5039.60	5029.45	1.13	ppb
Calcium	44-1	5132.61	5062.47	5081.98	5092.36	0.71	ppb
Chromium	52-2	49.92	52.33	51.93	51.40	2.51	ppb
Cobalt	59-2	48.87	52.58	51.01	50.82	3.66	ppb
Copper	63-2	99.04	105.22	101.40	101.89	3.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				100		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	2584.36	2762.29	2679.82	2675.49	3.33	ppb
Iron	57-2	2558.40	2644.72	2613.07	2605.40	1.68	ppb
Lead	206-1	48.18	48.24	48.33	48.25	0.16	ppb
Lead	207-1	47.59	47.57	48.06	47.74	0.59	ppb
Lead	208-1	47.83	48.17	48.16	48.05	0.40	ppb
Lithium	6-1				103		%
Magnesium	24-2	5356.63	5690.45	5415.06	5487.38	3.25	ppb
Manganese	55-2	100.66	104.43	101.42	102.17	1.95	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:57:20	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	50.16	49.69	50.42	50.09	0.74	ppb
Molybdenum	95-1	48.57	48.79	49.12	48.83	0.56	ppb
Molybdenum	96-1	49.34	49.20	49.10	49.21	0.25	ppb
Molybdenum	97-1	49.75	50.26	48.30	49.44	2.05	ppb
Molybdenum	98-1	49.26	48.98	48.90	49.05	0.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	49.16	52.10	50.35	50.54	2.93	ppb
Phosphorus	31-2	1051.86	1117.25	1322.10	1163.74	12.12	ppb
Potassium	39-2	2598.68	2773.14	2713.50	2695.10	3.29	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				102		%
Selenium	77-2	50.04	53.29	41.29	48.21	12.87	ppb
Selenium	78-2	65.08	67.63	56.94	63.22	8.83	ppb
Selenium	82-1	50.63	51.10	50.27	50.67	0.82	ppb
Silicon	28-1	55.13	54.30	58.14	55.86	3.62	ppb
Silver	109-1	54.19	52.77	52.39	53.12	1.78	ppb
Silver	107-1	53.27	53.23	53.09	53.20	0.18	ppb
Sodium	23-2	5769.04	6096.33	5885.36	5916.91	2.80	ppb
Strontium	86-1	50.45	50.64	50.81	50.63	0.35	ppb
Strontium	88-1	51.15	50.73	51.02	50.96	0.42	ppb
Sulfur	34-1	452.22	375.17	788.12	538.50	40.78	ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	47.68	48.44	48.39	48.17	0.89	ppb
Thallium	205-1	48.09	48.92	48.77	48.59	0.91	ppb
Tin	118-1	53.01	52.80	52.81	52.87	0.23	ppb
Titanium	47-1	51.43	52.41	51.56	51.80	1.03	ppb
Uranium	238-1	47.20	47.58	47.49	47.42	0.42	ppb
Vanadium	51-2	48.80	52.93	51.26	50.99	4.08	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	96.93	103.55	101.28	100.59	3.34	ppb
Zirconium	90-1	50.84	50.34	50.77	50.65	0.53	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:57:20	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	49.72	48.80	49.68	49.40	1.05	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:00:49	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2393.84	2348.72	2488.92	2410.49	2.97	ppb
Antimony	121-1	127.92	128.77	125.90	127.53	1.16	ppb
Arsenic	75-2	129.65	126.25	125.48	127.12	1.75	ppb
Barium	135-1	653.31	657.89	646.55	652.58	0.87	ppb
Barium	137-1	659.32	673.94	660.16	664.48	1.24	ppb
Beryllium	9-1	130.41	130.49	130.03	130.31	0.19	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Boron	10-1	135.64	139.45	131.19	135.43	3.05	ppb
Boron	11-1	134.42	136.54	137.33	136.10	1.11	ppb
Cadmium	111-1	128.38	128.91	126.00	127.77	1.22	ppb
Cadmium	106-1	133.53	128.67	127.68	129.96	2.41	ppb
Cadmium	108-1	130.26	133.75	131.58	131.86	1.34	ppb
Calcium	43-1	12588.40	12592.75	12528.73	12569.96	0.28	ppb
Calcium	44-1	12722.78	12628.44	12596.52	12649.25	0.52	ppb
Chromium	52-2	124.09	122.85	126.46	124.47	1.48	ppb
Cobalt	59-2	121.52	121.42	123.77	122.24	1.09	ppb
Copper	63-2	246.09	245.94	250.37	247.47	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	6342.05	6412.92	6512.34	6422.44	1.33	ppb
Iron	57-2	6192.71	6339.29	6355.22	6295.74	1.42	ppb
Lead	206-1	122.19	121.14	121.84	121.72	0.44	ppb
Lead	207-1	120.07	119.03	120.55	119.88	0.65	ppb
Lead	208-1	120.91	120.32	121.48	120.90	0.48	ppb
Lithium	6-1				106		%
Magnesium	24-2	13162.89	13094.26	13456.67	13237.94	1.45	ppb
Manganese	55-2	242.70	245.95	250.57	246.41	1.61	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:00:49	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	125.47	126.51	126.39	126.12	0.45	ppb
Molybdenum	95-1	123.88	124.55	125.18	124.54	0.52	ppb
Molybdenum	96-1	124.26	123.88	125.97	124.70	0.89	ppb
Molybdenum	97-1	124.63	123.14	122.93	123.57	0.75	ppb
Molybdenum	98-1	124.59	122.24	123.80	123.55	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	122.62	121.76	124.19	122.86	1.00	ppb
Phosphorus	31-2	2525.98	2499.76	2171.66	2399.13	8.23	ppb
Potassium	39-2	6578.97	6373.64	6658.81	6537.14	2.25	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				105		%
Scandium	45-2				103		%
Selenium	77-2	100.83	149.76	114.99	121.86	20.66	ppb
Selenium	78-2	149.33	119.69	141.13	136.71	11.20	ppb
Selenium	82-1	124.39	125.40	124.23	124.67	0.51	ppb
Silicon	28-1	150.26	148.98	151.09	150.11	0.71	ppb
Silver	109-1	130.73	131.43	130.99	131.05	0.27	ppb
Silver	107-1	132.61	133.18	130.61	132.13	1.02	ppb
Sodium	23-2	14056.50	14101.32	14277.25	14145.02	0.82	ppb
Strontium	86-1	126.73	127.06	125.97	126.58	0.44	ppb
Strontium	88-1	128.72	129.01	130.76	129.50	0.85	ppb
Sulfur	34-1	2157.36	1945.15	1813.64	1972.05	8.79	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	122.96	121.74	121.82	122.17	0.56	ppb
Thallium	205-1	124.39	124.36	124.36	124.37	0.02	ppb
Tin	118-1	133.94	133.53	131.70	133.06	0.90	ppb
Titanium	47-1	127.15	127.32	127.10	127.19	0.09	ppb
Uranium	238-1	124.39	122.93	123.21	123.51	0.63	ppb
Vanadium	51-2	120.65	122.52	125.50	122.89	1.99	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	243.46	243.36	250.59	245.80	1.69	ppb
Zirconium	90-1	130.76	130.14	130.27	130.39	0.25	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:00:49	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	123.04	124.89	125.77	124.57	1.12	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:04:14	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4743.72	4753.74	4680.10	4725.85	0.85	ppb
Antimony	121-1	256.48	260.48	255.81	257.59	0.98	ppb
Arsenic	75-2	253.46	252.70	248.82	251.66	0.99	ppb
Barium	135-1	1317.68	1334.17	1300.17	1317.34	1.29	ppb
Barium	137-1	1305.23	1294.40	1288.86	1296.16	0.64	ppb
Beryllium	9-1	255.87	252.14	255.45	254.49	0.80	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Boron	10-1	256.40	262.11	273.44	263.98	3.29	ppb
Boron	11-1	262.31	262.69	269.17	264.72	1.46	ppb
Cadmium	111-1	250.80	249.82	248.76	249.79	0.41	ppb
Cadmium	106-1	259.68	257.04	247.87	254.86	2.43	ppb
Cadmium	108-1	250.59	254.37	248.67	251.21	1.15	ppb
Calcium	43-1	24824.59	25257.78	24712.50	24931.62	1.16	ppb
Calcium	44-1	24740.10	25162.24	24740.80	24881.05	0.98	ppb
Chromium	52-2	247.29	250.41	249.18	248.96	0.63	ppb
Cobalt	59-2	245.58	247.90	245.75	246.41	0.52	ppb
Copper	63-2	494.51	500.30	495.14	496.65	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	12759.94	13027.21	12774.85	12854.00	1.17	ppb
Iron	57-2	12531.54	12782.91	12761.66	12692.04	1.10	ppb
Lead	206-1	241.96	245.89	243.88	243.91	0.81	ppb
Lead	207-1	237.76	242.04	243.13	240.98	1.18	ppb
Lead	208-1	242.91	246.27	247.74	245.64	1.01	ppb
Lithium	6-1				106		%
Magnesium	24-2	26179.10	26332.96	26086.27	26199.44	0.48	ppb
Manganese	55-2	494.02	497.57	495.23	495.61	0.36	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:04:14	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	251.92	254.58	256.72	254.41	0.94	ppb
Molybdenum	95-1	243.81	248.86	248.14	246.94	1.10	ppb
Molybdenum	96-1	243.89	249.46	248.05	247.13	1.17	ppb
Molybdenum	97-1	243.67	247.73	250.61	247.34	1.41	ppb
Molybdenum	98-1	247.71	253.94	255.32	252.33	1.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	245.38	249.88	248.99	248.08	0.96	ppb
Phosphorus	31-2	5321.29	4549.54	4924.71	4931.85	7.83	ppb
Potassium	39-2	12667.71	12756.58	12630.32	12684.87	0.51	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				98		%
Selenium	77-2	245.68	251.78	221.90	239.78	6.58	ppb
Selenium	78-2	266.09	237.91	246.59	250.20	5.77	ppb
Selenium	82-1	247.92	248.28	247.93	248.04	0.08	ppb
Silicon	28-1	266.40	271.28	265.58	267.75	1.15	ppb
Silver	109-1	263.13	259.09	260.87	261.03	0.77	ppb
Silver	107-1	262.66	258.46	262.10	261.07	0.87	ppb
Sodium	23-2	28554.62	28289.75	28092.46	28312.28	0.82	ppb
Strontium	86-1	251.41	250.75	250.45	250.87	0.20	ppb
Strontium	88-1	252.23	254.81	255.13	254.06	0.63	ppb
Sulfur	34-1	4588.93	4742.44	4391.06	4574.14	3.85	ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	249.38	250.68	251.25	250.44	0.38	ppb
Thallium	205-1	245.17	249.49	249.50	248.05	1.01	ppb
Tin	118-1	263.11	260.57	259.87	261.18	0.65	ppb
Titanium	47-1	252.34	251.05	250.52	251.30	0.37	ppb
Uranium	238-1	241.45	246.93	251.34	246.57	2.01	ppb
Vanadium	51-2	244.59	248.00	244.32	245.64	0.83	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	499.25	498.93	509.26	502.48	1.17	ppb
Zirconium	90-1	253.63	255.34	256.67	255.21	0.60	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:04:14	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	247.68	249.06	252.54	249.76	1.00	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:07:33	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9123.05	9284.80	9559.89	9322.58	2.37	ppb
Antimony	121-1	489.52	489.50	483.88	487.64	0.67	ppb
Arsenic	75-2	497.78	495.57	490.58	494.64	0.75	ppb
Barium	135-1	2515.84	2534.27	2487.49	2512.53	0.94	ppb
Barium	137-1	2494.67	2502.93	2455.97	2484.53	1.01	ppb
Beryllium	9-1	488.32	503.60	487.55	493.16	1.84	ppb
Bismuth	209-1				116		%
Bismuth	209-2				106		%
Boron	10-1	494.85	535.56	511.98	514.13	3.98	ppb
Boron	11-1	494.37	521.43	514.26	510.02	2.75	ppb
Cadmium	111-1	483.78	484.10	477.49	481.79	0.77	ppb
Cadmium	106-1	487.52	497.03	482.28	488.94	1.53	ppb
Cadmium	108-1	496.62	494.19	485.35	492.05	1.21	ppb
Calcium	43-1	49484.92	50109.22	49507.43	49700.52	0.71	ppb
Calcium	44-1	49288.74	50069.48	49444.33	49600.85	0.83	ppb
Chromium	52-2	480.67	489.05	499.53	489.75	1.93	ppb
Cobalt	59-2	478.60	489.89	501.49	490.00	2.34	ppb
Copper	63-2	971.09	985.99	1005.19	987.42	1.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				99		%
Iron	56-2	25131.34	25764.71	26299.46	25731.84	2.27	ppb
Iron	57-2	24896.94	25498.09	26035.57	25476.87	2.24	ppb
Lead	206-1	484.38	490.54	481.91	485.61	0.92	ppb
Lead	207-1	481.17	488.79	481.79	483.91	0.87	ppb
Lead	208-1	482.06	490.42	482.51	485.00	0.97	ppb
Lithium	6-1				104		%
Magnesium	24-2	52000.55	51981.73	51912.13	51964.80	0.09	ppb
Manganese	55-2	969.80	994.91	1018.33	994.35	2.44	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:07:33	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	505.05	504.19	505.09	504.78	0.10	ppb
Molybdenum	95-1	503.22	507.98	503.35	504.85	0.54	ppb
Molybdenum	96-1	502.77	508.51	503.20	504.83	0.63	ppb
Molybdenum	97-1	491.76	489.50	492.60	491.29	0.33	ppb
Molybdenum	98-1	496.46	501.81	500.00	499.42	0.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	480.30	489.90	500.66	490.29	2.08	ppb
Phosphorus	31-2	9663.55	9924.29	10220.09	9935.97	2.80	ppb
Potassium	39-2	24379.21	24747.98	25284.14	24803.78	1.83	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				92		%
Selenium	77-2	521.08	478.89	512.78	504.25	4.43	ppb
Selenium	78-2	499.85	486.96	487.40	491.41	1.49	ppb
Selenium	82-1	488.62	487.91	485.05	487.19	0.39	ppb
Silicon	28-1	521.92	532.27	525.12	526.44	1.01	ppb
Silver	109-1	497.08	494.61	488.03	493.24	0.95	ppb
Silver	107-1	497.15	502.77	485.57	495.16	1.77	ppb
Sodium	23-2	53718.35	54238.23	55887.09	54614.56	2.07	ppb
Strontium	86-1	494.73	493.39	497.55	495.22	0.43	ppb
Strontium	88-1	498.47	502.25	497.16	499.29	0.53	ppb
Sulfur	34-1	9498.71	9979.12	9361.04	9612.96	3.38	ppb
Terbium	159-1				112		%
Terbium	159-2				107		%
Thallium	203-1	490.21	492.79	485.65	489.55	0.74	ppb
Thallium	205-1	483.03	487.49	480.88	483.80	0.70	ppb
Tin	118-1	509.72	506.92	502.01	506.22	0.77	ppb
Titanium	47-1	498.14	499.27	498.32	498.58	0.12	ppb
Uranium	238-1	489.43	496.68	490.40	492.17	0.80	ppb
Vanadium	51-2	480.44	489.66	504.42	491.51	2.46	ppb
Yttrium	89-1				104		%
Yttrium	89-2				98		%
Zinc	66-2	977.52	997.35	1024.69	999.85	2.37	ppb
Zirconium	90-1	495.83	505.92	503.28	501.68	1.04	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:07:33	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	500.33	502.41	502.10	501.61	0.22	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:10:48	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18405.79	18712.90	18571.24	18563.31	0.83	ppb
Antimony	121-1	1010.70	991.17	1009.90	1003.92	1.10	ppb
Arsenic	75-2	997.53	997.60	1010.48	1001.87	0.74	ppb
Barium	135-1	4994.50	4926.53	4997.98	4973.00	0.81	ppb
Barium	137-1	4994.80	4980.18	4997.28	4990.75	0.19	ppb
Beryllium	9-1	1013.91	998.13	992.43	1001.49	1.11	ppb
Bismuth	209-1				114		%
Bismuth	209-2				101		%
Boron	10-1	978.87	980.03	1004.71	987.87	1.48	ppb
Boron	11-1	982.04	987.09	999.78	989.64	0.92	ppb
Cadmium	111-1	1020.38	995.31	1010.47	1008.72	1.25	ppb
Cadmium	106-1	1001.93	995.75	1012.95	1003.54	0.87	ppb
Cadmium	108-1	1007.38	998.68	1001.91	1002.66	0.44	ppb
Calcium	43-1	102403.56	100707.76	101267.97	101459.76	0.85	ppb
Calcium	44-1	100843.41	99592.94	100264.58	100233.64	0.62	ppb
Chromium	52-2	999.18	1008.64	1008.33	1005.38	0.53	ppb
Cobalt	59-2	994.13	1012.78	1011.71	1006.20	1.04	ppb
Copper	63-2	1977.40	2017.59	2027.06	2007.35	1.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				92		%
Iron	56-2	50128.92	51308.78	51417.47	50951.72	1.40	ppb
Iron	57-2	49604.33	50564.55	50601.54	50256.81	1.12	ppb
Lead	206-1	1004.69	1004.59	1018.36	1009.21	0.78	ppb
Lead	207-1	1009.22	1012.79	1011.15	1011.05	0.18	ppb
Lead	208-1	1009.08	1010.50	1008.03	1009.20	0.12	ppb
Lithium	6-1				101		%
Magnesium	24-2	99921.50	103363.59	102763.21	102016.10	1.80	ppb
Manganese	55-2	1985.02	2012.14	2015.64	2004.26	0.84	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:10:48	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	996.00	993.90	999.24	996.38	0.27	ppb
Molybdenum	95-1	993.53	995.10	1006.75	998.46	0.72	ppb
Molybdenum	96-1	996.71	1002.19	996.26	998.39	0.33	ppb
Molybdenum	97-1	994.31	1005.54	1015.85	1005.23	1.07	ppb
Molybdenum	98-1	993.22	1005.27	1001.33	999.94	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	991.23	1009.41	1016.09	1005.58	1.28	ppb
Phosphorus	31-2	19871.67	20783.94	19504.81	20053.47	3.28	ppb
Potassium	39-2	48084.16	48750.89	48536.11	48457.05	0.70	ppb
Rhodium	103-1				98		%
Rhodium	103-2				92		%
Scandium	45-1				97		%
Scandium	45-2				85		%
Selenium	77-2	961.72	1034.27	1006.81	1000.93	3.66	ppb
Selenium	78-2	1018.39	973.61	1014.37	1002.12	2.47	ppb
Selenium	82-1	1009.10	1003.33	1008.27	1006.90	0.31	ppb
Silicon	28-1	971.56	981.86	983.26	978.89	0.65	ppb
Silver	109-1	999.54	990.80	1008.80	999.71	0.90	ppb
Silver	107-1	1002.31	988.99	1004.50	998.60	0.84	ppb
Sodium	23-2	103835.71	105268.04	104613.74	104572.50	0.69	ppb
Strontium	86-1	1010.08	1002.77	992.98	1001.94	0.86	ppb
Strontium	88-1	1001.57	996.63	997.99	998.73	0.26	ppb
Sulfur	34-1	20505.63	20236.85	20424.68	20389.06	0.68	ppb
Terbium	159-1				110		%
Terbium	159-2				103		%
Thallium	203-1	1006.85	998.39	1011.44	1005.56	0.66	ppb
Thallium	205-1	1011.60	1005.00	1009.61	1008.74	0.34	ppb
Tin	118-1	996.56	986.61	995.67	992.95	0.55	ppb
Titanium	47-1	999.99	998.46	1001.61	1000.02	0.16	ppb
Uranium	238-1	990.59	1018.94	1005.73	1005.09	1.41	ppb
Vanadium	51-2	991.43	1016.52	1008.72	1005.55	1.28	ppb
Yttrium	89-1				101		%
Yttrium	89-2				92		%
Zinc	66-2	1980.74	2007.87	2011.24	1999.95	0.84	ppb
Zirconium	90-1	997.66	992.50	1001.30	997.15	0.44	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:10:48	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	999.93	999.01	999.08	999.34	0.05	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:14:00	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101206.70	99971.31	99936.87	100371.63	0.72	ppb
Antimony	121-1	1.18	1.20	1.25	1.21	3.14	ppb
Arsenic	75-2	0.39	0.39	0.23	0.34	28.38	ppb
Barium	135-1	1.32	1.28	1.01	1.20	13.93	ppb
Barium	137-1	1.23	1.25	1.18	1.22	3.04	ppb
Beryllium	9-1	0.06	0.03	-0.02	0.02	166.93	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Boron	10-1	36.80	36.41	35.76	36.32	1.45	ppb
Boron	11-1	37.04	33.46	32.62	34.37	6.83	ppb
Cadmium	111-1	0.04	0.09	0.10	0.08	46.27	ppb
Cadmium	106-1	-0.55	-0.31	0.00	-0.29		ppb
Cadmium	108-1	0.10	-0.05	0.03	0.03	284.89	ppb
Calcium	43-1	502634.26	496752.02	499831.91	499739.40	0.59	ppb
Calcium	44-1	504029.52	501859.26	494094.77	499994.52	1.04	ppb
Chromium	52-2	9.32	9.38	9.63	9.44	1.74	ppb
Cobalt	59-2	0.86	0.96	0.98	0.94	6.77	ppb
Copper	63-2	1.92	1.83	1.79	1.85	3.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				105		%
Indium	115-1				90		%
Indium	115-2				97		%
Iron	56-2	253040.62	249571.55	246525.95	249712.71	1.31	ppb
Iron	57-2	251738.65	251145.25	246783.57	249889.15	1.08	ppb
Lead	206-1	1.08	1.09	1.11	1.09	1.31	ppb
Lead	207-1	1.05	1.01	1.03	1.03	2.04	ppb
Lead	208-1	1.05	1.07	1.06	1.06	0.70	ppb
Lithium	6-1				95		%
Magnesium	24-2	506599.08	499455.20	491896.81	499317.03	1.47	ppb
Manganese	55-2	6.40	6.19	6.57	6.38	2.98	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:14:00	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.54	0.56	0.57	0.56	3.26	ppb
Molybdenum	95-1	1.54	1.57	1.51	1.54	1.95	ppb
Molybdenum	96-1	1.66	1.72	1.73	1.70	2.34	ppb
Molybdenum	97-1	1.50	1.52	1.38	1.47	4.88	ppb
Molybdenum	98-1	1.46	1.59	1.39	1.48	6.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.15	4.33	4.62	4.36	5.44	ppb
Phosphorus	31-2	11.22	34.69	-12.75	11.05	214.64	ppb
Potassium	39-2	254541.99	247976.52	248411.27	250309.93	1.47	ppb
Rhodium	103-1				87		%
Rhodium	103-2				87		%
Scandium	45-1				91		%
Scandium	45-2				84		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	82-1	-0.56	-0.20	0.81	0.02	3787.62	ppb
Silicon	28-1	1.09	1.78	-0.60	0.76	160.85	ppb
Silver	109-1	0.09	0.08	0.09	0.09	10.15	ppb
Silver	107-1	0.08	0.06	0.10	0.08	20.21	ppb
Sodium	23-2	506235.37	496598.43	492390.59	498408.13	1.42	ppb
Strontium	86-1	33.53	34.07	33.56	33.72	0.90	ppb
Strontium	88-1	33.81	34.24	33.91	33.99	0.66	ppb
Sulfur	34-1	-2223.35	-2234.61	-2560.42	-2339.46		ppb
Terbium	159-1				99		%
Terbium	159-2				106		%
Thallium	203-1	0.44	0.34	0.34	0.37	14.50	ppb
Thallium	205-1	0.39	0.35	0.36	0.37	5.59	ppb
Tin	118-1	0.32	0.31	0.28	0.30	7.65	ppb
Titanium	47-1	0.42	0.43	0.45	0.43	3.88	ppb
Uranium	238-1	0.05	0.07	0.05	0.06	14.40	ppb
Vanadium	51-2	0.11	0.15	0.12	0.13	17.93	ppb
Yttrium	89-1				90		%
Yttrium	89-2				96		%
Zinc	66-2	3.83	3.72	3.78	3.78	1.42	ppb
Zirconium	90-1	0.09	0.08	0.10	0.09	11.54	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:14:00	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.10	0.09	0.12	0.10	13.40	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:17:20	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	563.91	529.49	496.42	529.94	6.37	ppb
Antimony	121-1	202.64	196.79	201.65	200.36	1.56	ppb
Arsenic	75-2	192.13	194.45	195.32	193.96	0.85	ppb
Barium	135-1	101.17	99.97	100.08	100.41	0.66	ppb
Barium	137-1	100.43	101.61	100.63	100.89	0.63	ppb
Beryllium	9-1	98.29	98.15	98.12	98.19	0.09	ppb
Bismuth	209-1				107		%
Bismuth	209-2				112		%
Boron	10-1	517.19	534.65	516.72	522.85	1.95	ppb
Boron	11-1	509.15	518.29	508.00	511.81	1.10	ppb
Cadmium	111-1	103.11	102.96	102.10	102.72	0.53	ppb
Cadmium	106-1	155.82	154.18	151.15	153.72	1.54	ppb
Cadmium	108-1	131.90	134.36	132.46	132.91	0.97	ppb
Calcium	43-1	2140.77	2121.28	2071.76	2111.27	1.69	ppb
Calcium	44-1	2099.46	2062.46	2074.67	2078.87	0.91	ppb
Chromium	52-2	95.75	94.84	94.64	95.08	0.62	ppb
Cobalt	59-2	97.51	98.02	97.50	97.68	0.30	ppb
Copper	63-2	96.17	96.14	95.42	95.91	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				110		%
Indium	115-1				95		%
Indium	115-2				105		%
Iron	56-2	994.54	1000.24	997.76	997.52	0.29	ppb
Iron	57-2	995.40	959.69	980.99	978.69	1.84	ppb
Lead	206-1	200.48	199.20	201.29	200.32	0.53	ppb
Lead	207-1	192.06	188.97	190.20	190.41	0.82	ppb
Lead	208-1	198.89	198.19	197.49	198.19	0.35	ppb
Lithium	6-1				106		%
Magnesium	24-2	1171.51	1215.73	1194.86	1194.03	1.85	ppb
Manganese	55-2	98.05	101.02	99.87	99.65	1.50	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:17:20	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	515.05	509.76	514.02	512.94	0.55	ppb
Molybdenum	95-1	515.01	517.10	506.73	512.95	1.07	ppb
Molybdenum	96-1	515.03	520.28	510.00	515.10	1.00	ppb
Molybdenum	97-1	495.74	498.17	493.46	495.79	0.48	ppb
Molybdenum	98-1	504.74	510.68	508.08	507.83	0.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.79	97.10	99.99	97.96	1.80	ppb
Phosphorus	31-2	8.37	-12.75	-12.75	-5.71		ppb
Potassium	39-2	1977.03	1916.32	1986.58	1959.98	1.94	ppb
Rhodium	103-1				95		%
Rhodium	103-2				99		%
Scandium	45-1				95		%
Scandium	45-2				93		%
Selenium	77-2	175.54	178.33	177.07	176.98	0.79	ppb
Selenium	78-2	228.54	213.57	200.81	214.31	6.48	ppb
Selenium	82-1	202.39	202.30	198.66	201.12	1.06	ppb
Silicon	28-1	456.41	453.47	446.88	452.25	1.08	ppb
Silver	109-1	103.92	102.95	102.70	103.19	0.62	ppb
Silver	107-1	104.29	104.32	103.83	104.15	0.26	ppb
Sodium	23-2	2056.20	2047.19	2068.02	2057.14	0.51	ppb
Strontium	86-1	500.03	502.70	500.91	501.21	0.27	ppb
Strontium	88-1	505.05	512.07	503.51	506.88	0.90	ppb
Sulfur	34-1	-2513.85	-2735.13	-2845.72	-2698.23		ppb
Terbium	159-1				99		%
Terbium	159-2				111		%
Thallium	203-1	198.59	200.14	200.94	199.89	0.60	ppb
Thallium	205-1	207.81	207.88	210.29	208.66	0.68	ppb
Tin	118-1	527.92	524.70	521.57	524.73	0.60	ppb
Titanium	47-1	503.85	498.28	496.98	499.70	0.73	ppb
Uranium	238-1	523.98	528.67	534.19	528.95	0.97	ppb
Vanadium	51-2	95.03	93.60	95.19	94.61	0.93	ppb
Yttrium	89-1				93		%
Yttrium	89-2				102		%
Zinc	66-2	197.84	198.50	200.64	198.99	0.74	ppb
Zirconium	90-1	507.60	511.56	500.78	506.64	1.08	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:17:20	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	495.24	498.90	488.53	494.23	1.06	ppb

LB Number : LB90592 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2017-10-05 11:20:25 DataFile Name : 013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.68	-3.11	-1.68	-2.16		ppb
Antimony	121-1	0.17	0.19	0.17	0.17	7.08	ppb
Arsenic	75-2	-0.03	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.00	0.01	0.02	0.01	84.82	ppb
Barium	137-1	-0.02	0.00	-0.01	-0.01		ppb
Beryllium	9-1	-0.01	-0.01	0.03	0.00	10742.63	ppb
Bismuth	209-1				108		%
Bismuth	209-2				111		%
Boron	10-1	13.92	13.75	11.81	13.16	8.88	ppb
Boron	11-1	14.09	13.99	13.83	13.97	0.96	ppb
Cadmium	111-1	0.08	0.04	-0.03	0.03	181.30	ppb
Cadmium	106-1	0.96	0.28	-0.53	0.24	312.47	ppb
Cadmium	108-1	-0.01	-0.08	-0.08	-0.06		ppb
Calcium	43-1	-23.34	-7.53	-24.79	-18.55		ppb
Calcium	44-1	0.27	-1.92	-2.16	-1.27		ppb
Chromium	52-2	-0.19	-0.14	-0.06	-0.13		ppb
Cobalt	59-2	0.00	-0.01	-0.01	0.00		ppb
Copper	63-2	-0.01	0.00	-0.02	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				110		%
Indium	115-1				98		%
Indium	115-2				108		%
Iron	56-2	0.36	0.19	0.15	0.23	46.35	ppb
Iron	57-2	0.72	0.69	-0.12	0.43	110.49	ppb
Lead	206-1	0.08	0.06	0.06	0.07	19.41	ppb
Lead	207-1	0.11	0.08	0.06	0.08	31.80	ppb
Lead	208-1	0.09	0.07	0.07	0.07	15.27	ppb
Lithium	6-1				108		%
Magnesium	24-2	-0.79	-0.15	0.25	-0.23		ppb
Manganese	55-2	-0.02	0.03	0.07	0.03	177.20	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:20:25	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.03	0.03	0.03	0.03	2.17	ppb
Molybdenum	95-1	0.10	0.06	0.08	0.08	21.49	ppb
Molybdenum	96-1	0.10	0.10	0.06	0.08	24.73	ppb
Molybdenum	97-1	0.03	0.09	0.06	0.06	48.41	ppb
Molybdenum	98-1	0.08	0.07	0.09	0.08	9.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.11	-0.04	-0.10	-0.08		ppb
Phosphorus	31-2	-12.75	29.61	72.80	29.88	143.14	ppb
Potassium	39-2	-3.95	-0.84	-8.15	-4.31		ppb
Rhodium	103-1				97		%
Rhodium	103-2				102		%
Scandium	45-1				97		%
Scandium	45-2				94		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.00	0.00	0.79	0.26	173.21	ppb
Selenium	82-1	0.42	0.03	-0.41	0.01	3382.25	ppb
Silicon	28-1	-11.74	-14.31	-13.74	-13.27		ppb
Silver	109-1	0.02	0.03	0.03	0.03	23.52	ppb
Silver	107-1	0.03	0.01	0.03	0.02	40.99	ppb
Sodium	23-2	70.64	57.43	49.25	59.11	18.26	ppb
Strontium	86-1	0.02	-0.07	-0.04	-0.03		ppb
Strontium	88-1	0.01	0.01	0.00	0.00	106.28	ppb
Sulfur	34-1	-3107.82	-3095.42	-2903.86	-3035.70		ppb
Terbium	159-1				101		%
Terbium	159-2				110		%
Thallium	203-1	0.08	0.09	0.07	0.08	9.38	ppb
Thallium	205-1	0.08	0.08	0.07	0.07	8.38	ppb
Tin	118-1	0.17	0.11	0.16	0.14	21.31	ppb
Titanium	47-1	-0.02	0.03	0.00	0.00	734.90	ppb
Uranium	238-1	0.00	0.00	0.01	0.00	36.12	ppb
Vanadium	51-2	-0.01	0.01	-0.01	0.00	1382.52	ppb
Yttrium	89-1				95		%
Yttrium	89-2				104		%
Zinc	66-2	0.35	0.16	0.17	0.22	47.57	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	55.04	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:20:25	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.02	0.01	0.01	0.01	37.78	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:23:35	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88875.88	89537.00	90052.15	89488.34	0.66	ppb
Antimony	121-1	1.21	1.23	1.35	1.26	6.06	ppb
Arsenic	75-2	0.44	0.26	0.21	0.30	39.48	ppb
Barium	135-1	1.61	1.52	1.53	1.55	3.13	ppb
Barium	137-1	1.48	1.46	1.45	1.46	1.05	ppb
Beryllium	9-1	0.21	0.20	0.24	0.22	8.79	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Boron	10-1	13.78	12.99	13.32	13.36	2.97	ppb
Boron	11-1	12.92	13.10	12.88	12.97	0.90	ppb
Cadmium	111-1	0.25	0.27	0.30	0.27	10.54	ppb
Cadmium	106-1	-0.66	-0.92	-0.70	-0.76		ppb
Cadmium	108-1	7.06	7.20	7.78	7.35	5.19	ppb
Calcium	43-1	99852.91	98115.56	108231.37	102066.61	5.30	ppb
Calcium	44-1	98342.06	96693.11	106828.55	100621.24	5.40	ppb
Chromium	52-2	19.87	20.39	19.96	20.07	1.38	ppb
Cobalt	59-2	1.14	1.21	1.24	1.20	4.43	ppb
Copper	63-2	7.75	8.01	7.81	7.86	1.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				111		%
Indium	115-1				100		%
Indium	115-2				104		%
Iron	56-2	99821.03	101748.19	102303.88	101291.03	1.29	ppb
Iron	57-2	97964.26	99213.24	100080.19	99085.90	1.07	ppb
Lead	206-1	5.15	5.03	5.44	5.20	4.08	ppb
Lead	207-1	4.36	4.49	4.87	4.57	5.75	ppb
Lead	208-1	4.76	4.67	5.01	4.81	3.63	ppb
Lithium	6-1				106		%
Magnesium	24-2	101692.80	103220.25	103090.26	102667.77	0.82	ppb
Manganese	55-2	8.09	8.34	8.55	8.32	2.77	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:23:35	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	587.49	582.07	639.29	602.95	5.24	ppb
Molybdenum	95-1	1884.22	1875.92	2041.85	1934.00	4.83	ppb
Molybdenum	96-1	1577.93	1581.93	1703.95	1621.27	4.42	ppb
Molybdenum	97-1	1909.10	1903.33	2037.78	1950.07	3.90	ppb
Molybdenum	98-1	1886.72	1881.98	2028.19	1932.30	4.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.42	5.76	5.32	5.50	4.11	ppb
Phosphorus	31-2	100554.09	98870.57	101251.09	100225.25	1.22	ppb
Potassium	39-2	99047.20	100696.31	102035.52	100593.01	1.49	ppb
Rhodium	103-1				96		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				92		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.57	0.00	0.00	0.52	173.21	ppb
Selenium	82-1	-0.40	-0.21	-0.37	-0.33		ppb
Silicon	28-1	18.76	17.22	27.68	21.22	26.61	ppb
Silver	109-1	0.18	0.24	0.25	0.23	17.02	ppb
Silver	107-1	0.19	0.23	0.26	0.23	14.91	ppb
Sodium	23-2	102963.99	103686.10	106233.70	104294.60	1.65	ppb
Strontium	86-1	32.01	32.42	35.12	33.18	5.10	ppb
Strontium	88-1	32.57	32.71	35.55	33.61	5.00	ppb
Sulfur	34-1	90019.69	88164.54	99946.68	92710.30	6.83	ppb
Terbium	159-1				105		%
Terbium	159-2				111		%
Thallium	203-1	0.15	0.15	0.18	0.16	10.99	ppb
Thallium	205-1	0.18	0.17	0.19	0.18	6.92	ppb
Tin	118-1	0.43	0.44	0.74	0.53	32.83	ppb
Titanium	47-1	1945.39	1936.32	2091.10	1990.94	4.36	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	19.27	ppb
Vanadium	51-2	0.13	0.19	0.15	0.16	17.37	ppb
Yttrium	89-1				99		%
Yttrium	89-2				104		%
Zinc	66-2	11.19	11.27	12.46	11.64	6.12	ppb
Zirconium	90-1	0.08	0.06	0.07	0.07	11.48	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:23:35	DataFile Name :	014ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.07	0.10	0.07	0.08	20.21	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:26:41	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86880.78	87029.24	86433.16	86781.06	0.36	ppb
Antimony	121-1	21.12	20.65	20.61	20.79	1.36	ppb
Arsenic	75-2	19.88	20.40	20.11	20.13	1.31	ppb
Barium	135-1	21.70	21.52	20.82	21.35	2.19	ppb
Barium	137-1	21.51	21.14	21.30	21.32	0.88	ppb
Beryllium	9-1	20.49	19.15	19.51	19.72	3.52	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Boron	10-1	11.65	9.35	11.48	10.82	11.83	ppb
Boron	11-1	11.26	11.32	10.49	11.02	4.20	ppb
Cadmium	111-1	19.65	19.51	19.83	19.66	0.81	ppb
Cadmium	106-1	15.73	16.48	17.33	16.51	4.83	ppb
Cadmium	108-1	25.24	25.52	24.72	25.16	1.61	ppb
Calcium	43-1	100023.40	98429.59	98843.74	99098.91	0.83	ppb
Calcium	44-1	96679.07	97380.34	97735.64	97265.02	0.55	ppb
Chromium	52-2	40.23	40.55	40.18	40.32	0.51	ppb
Cobalt	59-2	21.28	21.63	21.36	21.42	0.86	ppb
Copper	63-2	27.97	27.71	27.50	27.73	0.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	98615.60	99516.52	99759.40	99297.17	0.61	ppb
Iron	57-2	99018.94	98426.10	97052.48	98165.84	1.03	ppb
Lead	206-1	24.96	25.21	24.95	25.04	0.59	ppb
Lead	207-1	23.25	23.01	22.84	23.03	0.90	ppb
Lead	208-1	23.74	23.87	23.67	23.76	0.44	ppb
Lithium	6-1				111		%
Magnesium	24-2	101382.15	100617.99	101163.29	101054.48	0.39	ppb
Manganese	55-2	27.73	28.31	28.26	28.10	1.14	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:26:41	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	587.73	585.06	585.67	586.15	0.24	ppb
Molybdenum	95-1	1888.71	1875.86	1890.39	1884.99	0.42	ppb
Molybdenum	96-1	1565.15	1557.35	1571.89	1564.80	0.46	ppb
Molybdenum	97-1	1871.46	1870.05	1880.42	1873.98	0.30	ppb
Molybdenum	98-1	1878.86	1861.94	1884.73	1875.18	0.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.52	24.93	24.90	24.78	0.93	ppb
Phosphorus	31-2	99053.29	100135.29	99091.05	99426.54	0.62	ppb
Potassium	39-2	100976.66	103457.26	101553.25	101995.72	1.27	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				106		%
Scandium	45-2				100		%
Selenium	77-2	13.25	31.39	26.80	23.81	39.62	ppb
Selenium	78-2	23.59	23.20	23.87	23.55	1.44	ppb
Selenium	82-1	19.47	20.07	18.49	19.34	4.12	ppb
Silicon	28-1	17.05	16.64	18.33	17.34	5.08	ppb
Silver	109-1	19.19	18.91	18.96	19.02	0.78	ppb
Silver	107-1	19.33	19.09	19.20	19.21	0.63	ppb
Sodium	23-2	103572.35	105404.08	105173.85	104716.76	0.95	ppb
Strontium	86-1	32.26	32.79	33.46	32.84	1.84	ppb
Strontium	88-1	32.88	32.54	33.07	32.83	0.81	ppb
Sulfur	34-1	90353.92	91309.39	91469.22	91044.18	0.66	ppb
Terbium	159-1				112		%
Terbium	159-2				111		%
Thallium	203-1	20.16	20.66	20.43	20.42	1.22	ppb
Thallium	205-1	20.23	20.42	20.49	20.38	0.68	ppb
Tin	118-1	0.23	0.23	0.19	0.22	8.62	ppb
Titanium	47-1	1908.20	1887.32	1933.17	1909.56	1.20	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	22.52	ppb
Vanadium	51-2	19.81	20.37	20.56	20.25	1.93	ppb
Yttrium	89-1				106		%
Yttrium	89-2				106		%
Zinc	66-2	32.68	32.62	31.58	32.29	1.92	ppb
Zirconium	90-1	0.04	0.04	0.05	0.04	18.09	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:26:41	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.07	0.05	0.06	0.06	12.42	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV098	Instrumnet Name :	P8
Client Sample ID :	CCV098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:29:45	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49672.43	48592.37	49206.69	49157.16	1.10	ppb
Antimony	121-1	520.94	518.40	522.90	520.74	0.43	ppb
Arsenic	75-2	510.64	507.18	511.03	509.62	0.42	ppb
Barium	135-1	2599.86	2599.46	2615.15	2604.83	0.34	ppb
Barium	137-1	2587.74	2590.98	2600.40	2593.04	0.25	ppb
Beryllium	9-1	516.76	506.83	522.14	515.24	1.51	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Boron	10-1	494.44	502.06	516.83	504.45	2.26	ppb
Boron	11-1	502.08	499.82	516.58	506.16	1.80	ppb
Cadmium	111-1	497.43	497.27	503.45	499.38	0.70	ppb
Cadmium	106-1	514.32	523.78	510.58	516.23	1.32	ppb
Cadmium	108-1	508.07	513.75	514.14	511.99	0.66	ppb
Calcium	43-1	248728.54	247605.71	249274.29	248536.18	0.34	ppb
Calcium	44-1	248358.66	248003.97	249508.95	248623.86	0.32	ppb
Chromium	52-2	513.23	508.00	509.32	510.19	0.53	ppb
Cobalt	59-2	498.24	491.10	494.29	494.54	0.72	ppb
Copper	63-2	959.21	949.57	950.02	952.93	0.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				110		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	56-2	125774.19	123313.37	124050.63	124379.40	1.02	ppb
Iron	57-2	125384.86	124150.14	124588.58	124707.86	0.50	ppb
Lead	206-1	525.31	520.08	526.86	524.08	0.68	ppb
Lead	207-1	517.93	518.58	519.63	518.72	0.17	ppb
Lead	208-1	520.26	517.27	521.97	519.83	0.46	ppb
Lithium	6-1				109		%
Magnesium	24-2	254904.98	248786.68	251820.03	251837.23	1.21	ppb
Manganese	55-2	1034.61	1007.95	1016.92	1019.83	1.33	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV098	Instrumnet Name :	P8
Client Sample ID :	CCV098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:29:45	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	513.93	519.39	507.51	513.61	1.16	ppb
Molybdenum	95-1	513.05	512.14	506.82	510.67	0.66	ppb
Molybdenum	96-1	518.46	516.48	504.75	513.23	1.44	ppb
Molybdenum	97-1	493.88	493.78	488.61	492.09	0.61	ppb
Molybdenum	98-1	507.77	506.77	499.57	504.70	0.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	499.66	489.92	490.79	493.46	1.09	ppb
Phosphorus	31-2	9575.72	9908.37	9793.43	9759.17	1.73	ppb
Potassium	39-2	130746.33	126771.96	130606.89	129375.06	1.74	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				105		%
Scandium	45-2				98		%
Selenium	77-2	422.34	482.78	514.21	473.11	9.87	ppb
Selenium	78-2	510.40	542.49	509.09	520.66	3.63	ppb
Selenium	82-1	505.80	507.08	496.60	503.16	1.14	ppb
Silicon	28-1	506.96	512.55	515.34	511.62	0.83	ppb
Silver	109-1	517.50	515.16	522.64	518.43	0.74	ppb
Silver	107-1	522.33	522.15	526.93	523.80	0.52	ppb
Sodium	23-2	266196.05	259414.23	261629.75	262413.34	1.32	ppb
Strontium	86-1	511.15	515.57	511.67	512.79	0.47	ppb
Strontium	88-1	510.15	525.22	510.00	515.12	1.70	ppb
Sulfur	34-1	9061.50	8801.67	8905.96	8923.04	1.47	ppb
Terbium	159-1				108		%
Terbium	159-2				111		%
Thallium	203-1	526.21	525.17	528.76	526.71	0.35	ppb
Thallium	205-1	517.12	514.50	514.72	515.45	0.28	ppb
Tin	118-1	523.33	520.65	523.55	522.51	0.31	ppb
Titanium	47-1	498.71	502.76	499.45	500.31	0.43	ppb
Uranium	238-1	513.38	515.10	515.41	514.63	0.21	ppb
Vanadium	51-2	518.53	513.36	510.83	514.24	0.76	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-2	975.79	962.59	981.11	973.16	0.98	ppb
Zirconium	90-1	513.23	513.31	505.25	510.60	0.91	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV098	Instrumnet Name :	P8
Client Sample ID :	CCV098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:29:45	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	507.54	508.26	504.98	506.93	0.34	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB098	Instrumnet Name :	P8
Client Sample ID :	CCB098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:32:45	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.40	-1.70	-1.72	-1.27		ppb
Antimony	121-1	0.27	0.31	0.30	0.29	7.85	ppb
Arsenic	75-2	0.01	0.01	-0.05	-0.01		ppb
Barium	135-1	0.00	0.01	0.01	0.01	144.95	ppb
Barium	137-1	-0.02	-0.02	-0.01	-0.02		ppb
Beryllium	9-1	0.01	-0.03	-0.01	-0.01		ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Boron	10-1	15.59	11.67	14.53	13.93	14.56	ppb
Boron	11-1	15.64	13.37	13.37	14.13	9.27	ppb
Cadmium	111-1	0.05	0.05	0.04	0.05	8.34	ppb
Cadmium	106-1	0.35	0.50	0.34	0.40	22.86	ppb
Cadmium	108-1	-0.02	0.08	-0.08	-0.01		ppb
Calcium	43-1	-16.47	-16.08	-8.82	-13.79		ppb
Calcium	44-1	3.03	1.28	8.86	4.39	90.31	ppb
Chromium	52-2	-0.13	-0.14	-0.07	-0.11		ppb
Cobalt	59-2	-0.01	-0.02	-0.01	-0.01		ppb
Copper	63-2	0.12	0.08	0.08	0.10	23.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	56-2	0.83	0.90	0.91	0.88	5.32	ppb
Iron	57-2	0.97	1.51	2.28	1.59	41.49	ppb
Lead	206-1	0.12	0.13	0.14	0.13	9.10	ppb
Lead	207-1	0.11	0.13	0.12	0.12	8.29	ppb
Lead	208-1	0.13	0.13	0.14	0.13	3.21	ppb
Lithium	6-1				111		%
Magnesium	24-2	0.31	0.52	-0.57	0.08	681.00	ppb
Manganese	55-2	-0.01	-0.04	-0.01	-0.02		ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB098	Instrumnet Name :	P8
Client Sample ID :	CCB098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:32:45	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.08	0.06	0.05	0.06	28.15	ppb
Molybdenum	95-1	0.16	0.16	0.14	0.16	6.68	ppb
Molybdenum	96-1	0.13	0.11	0.11	0.12	6.77	ppb
Molybdenum	97-1	0.16	0.15	0.10	0.14	22.85	ppb
Molybdenum	98-1	0.14	0.15	0.12	0.14	10.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.07	-0.11	-0.07	-0.08		ppb
Phosphorus	31-2	-12.75	-12.75	8.04	-5.82		ppb
Potassium	39-2	10.10	6.17	28.13	14.80	79.11	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				96		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.56	0.00	0.00	0.52	173.21	ppb
Selenium	82-1	-0.75	0.18	-0.02	-0.20		ppb
Silicon	28-1	-14.41	-16.34	-11.72	-14.16		ppb
Silver	109-1	0.06	0.06	0.05	0.06	15.19	ppb
Silver	107-1	0.06	0.07	0.06	0.06	12.34	ppb
Sodium	23-2	56.44	50.54	53.85	53.61	5.52	ppb
Strontium	86-1	-0.02	-0.01	-0.06	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	283.11	ppb
Sulfur	34-1	-3215.73	-3080.61	-2470.52	-2922.29		ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	0.13	0.12	0.11	0.12	9.32	ppb
Thallium	205-1	0.12	0.13	0.13	0.13	1.85	ppb
Tin	118-1	0.09	0.11	0.09	0.10	10.51	ppb
Titanium	47-1	0.01	0.02	0.00	0.01	114.46	ppb
Uranium	238-1	0.00	0.00	-0.01	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	50.58	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	0.17	0.43	0.47	0.36	45.06	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	13.07	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB098	Instrumnet Name :	P8
Client Sample ID :	CCB098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:32:45	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.02	0.02	0.03	44.54	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:35:53	DataFile Name :	018SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.42	14.38	17.19	15.33	10.51	ppb
Antimony	121-1	1.97	1.91	1.97	1.95	1.77	ppb
Arsenic	75-2	0.96	0.98	0.94	0.96	2.01	ppb
Barium	135-1	9.08	9.13	9.01	9.08	0.69	ppb
Barium	137-1	8.76	9.13	9.27	9.05	2.90	ppb
Beryllium	9-1	0.80	0.95	0.89	0.88	8.55	ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Boron	10-1	25.75	28.28	29.83	27.96	7.37	ppb
Boron	11-1	27.94	27.94	30.48	28.79	5.08	ppb
Cadmium	111-1	1.01	0.87	0.93	0.94	7.08	ppb
Cadmium	106-1	1.04	0.82	0.81	0.89	14.92	ppb
Cadmium	108-1	0.74	1.00	1.05	0.93	18.11	ppb
Calcium	43-1	421.27	425.02	432.21	426.16	1.30	ppb
Calcium	44-1	441.19	449.25	456.64	449.03	1.72	ppb
Chromium	52-2	1.82	1.92	1.93	1.89	3.27	ppb
Cobalt	59-2	0.85	0.89	1.14	0.96	16.02	ppb
Copper	63-2	1.99	1.90	1.89	1.93	2.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				106		%
Iron	56-2	48.06	47.63	51.72	49.14	4.57	ppb
Iron	57-2	40.35	53.34	41.84	45.18	15.74	ppb
Lead	206-1	1.02	1.03	0.96	1.00	3.66	ppb
Lead	207-1	0.96	0.95	0.93	0.95	1.75	ppb
Lead	208-1	1.00	0.99	0.94	0.97	2.90	ppb
Lithium	6-1				113		%
Magnesium	24-2	486.91	478.17	505.97	490.35	2.90	ppb
Manganese	55-2	0.84	1.09	1.16	1.03	16.52	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:35:53	DataFile Name :	018SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2.07	1.92	2.02	2.00	3.86	ppb
Molybdenum	95-1	4.32	4.36	4.21	4.30	1.74	ppb
Molybdenum	96-1	3.83	3.84	3.68	3.79	2.39	ppb
Molybdenum	97-1	4.47	4.66	4.53	4.55	2.15	ppb
Molybdenum	98-1	4.40	4.40	4.47	4.42	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.97	0.84	1.01	0.94	9.35	ppb
Phosphorus	31-2	7.44	-12.75	30.71	8.47	256.89	ppb
Potassium	39-2	470.37	502.01	499.74	490.71	3.60	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				96		%
Selenium	77-2	4.38	13.41	4.83	7.54	67.43	ppb
Selenium	78-2	8.32	3.85	5.84	6.00	37.28	ppb
Selenium	82-1	5.30	4.36	4.29	4.65	12.10	ppb
Silicon	28-1	-3.79	-4.34	-2.77	-3.63		ppb
Silver	109-1	0.97	1.00	0.95	0.97	2.67	ppb
Silver	107-1	0.93	0.98	0.95	0.95	2.46	ppb
Sodium	23-2	529.21	517.45	549.94	532.20	3.09	ppb
Strontium	86-1	0.84	0.87	0.87	0.86	2.24	ppb
Strontium	88-1	0.92	0.90	0.92	0.91	1.24	ppb
Sulfur	34-1	-3002.38	-3003.99	-2736.35	-2914.24		ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	0.95	0.93	0.94	0.94	0.69	ppb
Thallium	205-1	0.99	0.94	0.91	0.95	4.00	ppb
Tin	118-1	4.45	4.53	4.48	4.48	0.90	ppb
Titanium	47-1	4.57	4.63	4.42	4.54	2.44	ppb
Uranium	238-1	0.84	0.84	0.81	0.83	1.70	ppb
Vanadium	51-2	4.81	4.56	4.48	4.62	3.70	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	2.23	1.57	2.00	1.93	17.33	ppb
Zirconium	90-1	0.91	0.89	0.89	0.89	1.14	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:35:53	DataFile Name :	018SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.90	0.92	0.97	0.93	3.84	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	I5556-04RE	Instrumnet Name :	P8
Client Sample ID :	MH0CL2RE	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:39:02	DataFile Name :	019SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46.40	65.03	69.77	60.40	20.45	ppb
Antimony	121-1	0.25	0.25	0.25	0.25	0.56	ppb
Arsenic	75-2	11.06	11.54	11.05	11.22	2.50	ppb
Barium	135-1	45.95	46.02	45.71	45.90	0.36	ppb
Barium	137-1	46.11	46.16	46.08	46.12	0.08	ppb
Beryllium	9-1	0.24	0.26	0.26	0.25	4.50	ppb
Bismuth	209-1				118		%
Bismuth	209-2				103		%
Boron	10-1	42.94	43.90	45.69	44.18	3.16	ppb
Boron	11-1	44.95	45.65	47.04	45.88	2.32	ppb
Cadmium	111-1	0.02	-0.02	-0.02	-0.01		ppb
Cadmium	106-1	0.02	-0.74	-0.68	-0.47		ppb
Cadmium	108-1	0.10	0.01	0.04	0.05	96.35	ppb
Calcium	43-1	518582.75	508402.73	514475.10	513820.19	1.00	ppb
Calcium	44-1	523751.25	508812.47	516612.51	516392.08	1.45	ppb
Chromium	52-2	-0.07	0.06	0.03	0.01	1117.25	ppb
Cobalt	59-2	289.99	291.08	285.34	288.80	1.06	ppb
Copper	63-2	0.47	0.49	0.58	0.51	11.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				106		%
Indium	115-1				112		%
Indium	115-2				99		%
Iron	56-2	39027.64	38898.76	37909.28	38611.89	1.58	ppb
Iron	57-2	37728.46	37956.69	36983.10	37556.08	1.36	ppb
Lead	206-1	0.32	0.24	0.21	0.26	22.61	ppb
Lead	207-1	0.31	0.24	0.27	0.27	13.08	ppb
Lead	208-1	0.31	0.26	0.24	0.27	13.75	ppb
Lithium	6-1				111		%
Magnesium	24-2	166827.33	167932.75	163392.52	166050.87	1.43	ppb
Manganese	55-2	213145.37	212718.38	205838.58	210567.44	1.95	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	I5556-04RE	Instrumnet Name :	P8
Client Sample ID :	MH0CL2RE	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:39:02	DataFile Name :	019SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.81	0.83	0.82	0.82	0.92	ppb
Molybdenum	95-1	3.37	3.48	3.27	3.37	2.99	ppb
Molybdenum	96-1	1.66	1.69	1.66	1.67	1.17	ppb
Molybdenum	97-1	2.04	1.98	1.83	1.95	5.60	ppb
Molybdenum	98-1	1.96	1.91	1.89	1.92	1.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	305.70	308.35	300.18	304.74	1.37	ppb
Phosphorus	31-2	30.90	53.84	52.78	45.84	28.25	ppb
Potassium	39-2	12815.89	12847.11	12460.22	12707.74	1.69	ppb
Rhodium	103-1				106		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				91		%
Selenium	77-2	0.00	0.00	4.78	1.59	173.21	ppb
Selenium	78-2	0.80	0.00	1.65	0.82	101.05	ppb
Selenium	82-1	0.94	0.39	0.57	0.63	44.36	ppb
Silicon	28-1	10755.99	10444.32	10508.34	10569.55	1.56	ppb
Silver	109-1	0.33	0.38	0.36	0.36	6.91	ppb
Silver	107-1	0.35	0.37	0.42	0.38	10.11	ppb
Sodium	23-2	57725.56	57600.11	56184.17	57169.95	1.50	ppb
Strontium	86-1	1432.69	1454.00	1428.79	1438.49	0.94	ppb
Strontium	88-1	1418.22	1447.60	1430.18	1432.00	1.03	ppb
Sulfur	34-1	750853.15	740900.73	741119.59	744291.16	0.76	ppb
Terbium	159-1				118		%
Terbium	159-2				107		%
Thallium	203-1	0.14	0.13	0.12	0.13	11.13	ppb
Thallium	205-1	0.14	0.14	0.12	0.13	6.86	ppb
Tin	118-1	0.03	0.01	-0.01	0.01	194.47	ppb
Titanium	47-1	0.48	0.50	0.51	0.50	3.04	ppb
Uranium	238-1	0.38	0.40	0.37	0.38	3.36	ppb
Vanadium	51-2	0.05	0.04	0.01	0.03	72.02	ppb
Yttrium	89-1				112		%
Yttrium	89-2				101		%
Zinc	66-2	108.35	107.59	107.98	107.97	0.35	ppb
Zirconium	90-1	0.32	0.30	0.25	0.29	12.70	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	I5556-04RE	Instrumnet Name :	P8
Client Sample ID :	MH0CL2RE	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:39:02	DataFile Name :	019SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.32	0.28	0.27	0.29	8.31	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV099	Instrumnet Name :	P8
Client Sample ID :	CCV099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:51:35	DataFile Name :	023CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45403.83	45325.95	46014.22	45581.33	0.83	ppb
Antimony	121-1	508.27	510.05	509.67	509.33	0.18	ppb
Arsenic	75-2	515.78	521.08	515.92	517.60	0.58	ppb
Barium	135-1	2554.56	2570.47	2558.39	2561.14	0.32	ppb
Barium	137-1	2538.55	2554.33	2529.35	2540.74	0.50	ppb
Beryllium	9-1	542.65	538.41	541.71	540.92	0.41	ppb
Bismuth	209-1				106		%
Bismuth	209-2				93		%
Boron	10-1	549.05	543.73	560.22	551.00	1.53	ppb
Boron	11-1	537.94	548.19	556.84	547.66	1.73	ppb
Cadmium	111-1	487.31	488.77	487.50	487.86	0.16	ppb
Cadmium	106-1	494.78	501.85	488.36	494.99	1.36	ppb
Cadmium	108-1	500.51	495.07	492.71	496.10	0.81	ppb
Calcium	43-1	249745.57	247421.69	249122.90	248763.39	0.48	ppb
Calcium	44-1	249697.81	246130.00	248828.69	248218.83	0.75	ppb
Chromium	52-2	515.13	511.58	518.72	515.14	0.69	ppb
Cobalt	59-2	497.61	494.48	501.62	497.90	0.72	ppb
Copper	63-2	960.69	951.66	962.74	958.36	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				91		%
Iron	56-2	121236.22	121309.85	122817.53	121787.87	0.73	ppb
Iron	57-2	120278.44	121024.46	121740.92	121014.61	0.60	ppb
Lead	206-1	520.47	523.26	519.84	521.19	0.35	ppb
Lead	207-1	519.69	522.18	511.14	517.67	1.12	ppb
Lead	208-1	518.77	520.87	513.26	517.63	0.76	ppb
Lithium	6-1				89		%
Magnesium	24-2	252102.91	247952.10	250524.19	250193.07	0.84	ppb
Manganese	55-2	979.63	979.18	986.98	981.93	0.45	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV099	Instrumnet Name :	P8
Client Sample ID :	CCV099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:51:35	DataFile Name :	023CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	505.22	500.98	509.00	505.07	0.79	ppb
Molybdenum	95-1	511.17	501.98	505.18	506.11	0.92	ppb
Molybdenum	96-1	507.12	504.05	512.55	507.91	0.85	ppb
Molybdenum	97-1	488.36	486.63	489.74	488.25	0.32	ppb
Molybdenum	98-1	499.12	491.08	503.47	497.89	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	495.17	495.55	495.47	495.40	0.04	ppb
Phosphorus	31-2	10331.91	9861.98	8782.29	9658.73	8.23	ppb
Potassium	39-2	125520.32	124162.42	127881.55	125854.76	1.50	ppb
Rhodium	103-1				96		%
Rhodium	103-2				93		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	77-2	533.18	519.53	580.96	544.56	5.92	ppb
Selenium	78-2	482.95	499.45	479.33	487.24	2.20	ppb
Selenium	82-1	492.98	489.40	494.70	492.36	0.55	ppb
Silicon	28-1	464.32	462.36	477.56	468.08	1.77	ppb
Silver	109-1	507.35	501.90	503.79	504.35	0.55	ppb
Silver	107-1	504.32	510.67	503.80	506.26	0.76	ppb
Sodium	23-2	268968.25	267105.99	268405.03	268159.76	0.36	ppb
Strontium	86-1	517.73	512.32	522.38	517.47	0.97	ppb
Strontium	88-1	512.65	514.93	520.02	515.86	0.73	ppb
Sulfur	34-1	9911.48	9061.62	9503.35	9492.15	4.48	ppb
Terbium	159-1				108		%
Terbium	159-2				98		%
Thallium	203-1	522.49	525.91	522.07	523.49	0.40	ppb
Thallium	205-1	516.41	518.38	514.04	516.28	0.42	ppb
Tin	118-1	510.22	513.92	509.48	511.21	0.46	ppb
Titanium	47-1	503.55	494.79	503.94	500.76	1.03	ppb
Uranium	238-1	506.19	507.02	507.04	506.75	0.10	ppb
Vanadium	51-2	510.42	512.37	518.26	513.68	0.79	ppb
Yttrium	89-1				101		%
Yttrium	89-2				95		%
Zinc	66-2	944.32	947.09	949.91	947.11	0.30	ppb
Zirconium	90-1	510.00	501.57	510.51	507.36	0.99	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV099	Instrumnet Name :	P8
Client Sample ID :	CCV099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:51:35	DataFile Name :	023CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	495.38	503.86	501.57	500.27	0.88	ppb

LB Number : LB90592 Operator : Jaswal
 Lab Sample ID : CCB099 Instrumnet Name : P8
 Client Sample ID : CCB099 Dilution Factor : 1
 Date & Time Acquired :: 2017-10-05 11:54:36 DataFile Name : 024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.50	3.94	1.12	2.86	53.11	ppb
Antimony	121-1	0.33	0.27	0.29	0.30	9.87	ppb
Arsenic	75-2	0.01	0.00	-0.05	-0.01		ppb
Barium	135-1	0.02	0.00	-0.01	0.00	581.74	ppb
Barium	137-1	-0.02	-0.02	-0.01	-0.01		ppb
Beryllium	9-1	-0.02	0.02	-0.02	-0.01		ppb
Bismuth	209-1				107		%
Bismuth	209-2				95		%
Boron	10-1	17.69	16.27	16.03	16.66	5.37	ppb
Boron	11-1	15.47	14.81	15.26	15.18	2.22	ppb
Cadmium	111-1	0.00	-0.01	0.05	0.02	187.48	ppb
Cadmium	106-1	-0.25	-0.26	0.58	0.02	2263.66	ppb
Cadmium	108-1	-0.08	-0.02	0.02	-0.03		ppb
Calcium	43-1	-6.55	-2.27	-0.47	-3.09		ppb
Calcium	44-1	-4.86	-7.42	-3.69	-5.32		ppb
Chromium	52-2	0.01	-0.01	-0.03	-0.01		ppb
Cobalt	59-2	-0.01	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.04	0.11	0.07	0.07	49.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				95		%
Indium	115-1				105		%
Indium	115-2				95		%
Iron	56-2	1.27	1.18	1.40	1.28	8.36	ppb
Iron	57-2	2.46	0.69	1.94	1.69	53.65	ppb
Lead	206-1	0.06	0.05	0.06	0.05	12.16	ppb
Lead	207-1	0.07	0.04	0.09	0.06	35.24	ppb
Lead	208-1	0.06	0.05	0.06	0.06	9.75	ppb
Lithium	6-1				95		%
Magnesium	24-2	-0.46	-0.50	0.87	-0.03		ppb
Manganese	55-2	0.06	0.12	0.10	0.10	30.64	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB099	Instrumnet Name :	P8
Client Sample ID :	CCB099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:54:36	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.03	0.02	0.03	0.03	18.29	ppb
Molybdenum	95-1	0.07	0.06	0.05	0.06	18.26	ppb
Molybdenum	96-1	0.06	0.05	0.05	0.05	8.29	ppb
Molybdenum	97-1	0.08	0.08	0.04	0.06	35.87	ppb
Molybdenum	98-1	0.11	0.06	0.06	0.08	39.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.07	-0.06	-0.05		ppb
Phosphorus	31-2	-12.75	-12.75	-12.75	-12.75		ppb
Potassium	39-2	12.63	36.57	25.93	25.04	47.89	ppb
Rhodium	103-1				105		%
Rhodium	103-2				97		%
Scandium	45-1				103		%
Scandium	45-2				96		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.64	0.88	0.86	1.13	39.17	ppb
Selenium	82-1	-0.35	-0.57	-0.62	-0.51		ppb
Silicon	28-1	-22.82	-23.40	-21.41	-22.54		ppb
Silver	109-1	0.07	0.07	0.06	0.07	8.68	ppb
Silver	107-1	0.06	0.06	0.07	0.07	2.96	ppb
Sodium	23-2	84.77	109.63	105.56	99.99	13.33	ppb
Strontium	86-1	0.01	0.00	0.07	0.03	148.14	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	683.37	ppb
Sulfur	34-1	-2467.19	-2525.95	-1916.19	-2303.11		ppb
Terbium	159-1				105		%
Terbium	159-2				95		%
Thallium	203-1	0.10	0.07	0.07	0.08	22.17	ppb
Thallium	205-1	0.09	0.09	0.07	0.08	11.76	ppb
Tin	118-1	0.14	0.12	0.07	0.11	32.91	ppb
Titanium	47-1	0.05	-0.04	-0.03	-0.01		ppb
Uranium	238-1	0.00	0.00	-0.01	0.00		ppb
Vanadium	51-2	0.01	0.00	0.02	0.01	88.68	ppb
Yttrium	89-1				104		%
Yttrium	89-2				95		%
Zinc	66-2	0.34	0.28	0.05	0.23	67.17	ppb
Zirconium	90-1	0.02	0.02	0.03	0.03	11.12	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB099	Instrumnet Name :	P8
Client Sample ID :	CCB099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:54:36	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.01	0.03	0.02	45.04	ppb

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:46:53	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25	25	8	19	49.50	cps
Antimony	121-1	67	58	100	75	29.40	cps
Arsenic	75-2	2	6	6	4	49.54	cps
Barium	135-1	25	8	33	22	57.29	cps
Barium	137-1	117	50	108	92	39.63	cps
Beryllium	9-1	28	67	94	63	53.19	cps
Bismuth	209-1	5118157	4742591	5003610	4954786	3.88	cps
Bismuth	209-2	1428515	1452854	1463486	1448285	1.24	cps
Boron	10-1	125	142	100	122	17.16	cps
Boron	11-1	400	550	567	506	18.16	cps
Cadmium	111-1	902	828	815	848	5.54	cps
Cadmium	106-1	1258	1167	1167	1197	4.42	cps
Cadmium	108-1	0	8	21	10	107.86	cps
Calcium	43-1	1300	1125	1100	1175	9.27	cps
Calcium	44-1	21250	20299	19956	20502	3.27	cps
Chromium	52-2	613	590	593	599	2.11	cps
Cobalt	59-2	77	47	57	60	25.46	cps
Copper	63-2	277	203	213	231	17.21	cps
Dysprosium	156-1	8	8	0	6	86.60	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	33	33	42	36	13.33	cps
Erbium	164-2	10	7	3	7	50.03	cps
Gadolinium	160-1	67	42	58	56	22.91	cps
Gadolinium	160-2	3	10	7	7	50.03	cps
Holmium	165-1	7599548	7072756	7539370	7403891	3.89	cps
Holmium	165-2	1729531	1761132	1770811	1753825	1.23	cps
Indium	115-1	5912310	5518409	5800296	5743672	3.53	cps
Indium	115-2	275139	278881	279067	277696	0.80	cps
Iron	56-2	1200	1067	1167	1145	6.06	cps
Iron	57-2	39	28	28	31	20.37	cps
Lead	206-1	533	467	367	456	18.41	cps
Lead	207-1	328	400	372	367	9.94	cps
Lead	208-1	1828	1767	1645	1746	5.35	cps
Lithium	6-1	925089	870485	922156	905910	3.39	cps
Magnesium	24-2	167	83	133	128	32.82	cps
Manganese	55-2	10	33	13	19	66.81	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:46:53	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	175	200	208	194	8.92	cps
Molybdenum	95-1	83	42	58	61	34.32	cps
Molybdenum	96-1	108	50	117	92	39.63	cps
Molybdenum	97-1	117	25	42	61	79.90	cps
Molybdenum	98-1	142	83	75	100	36.32	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	117	47	120	94	43.84	cps
Phosphorus	31-2	0	8	0	3	173.21	cps
Potassium	39-2	2567	2500	2542	2536	1.33	cps
Rhodium	103-1	5584913	5211413	5497479	5431269	3.60	cps
Rhodium	103-2	1482744	1497447	1507292	1495828	0.83	cps
Scandium	45-1	3198902	2961350	3161398	3107217	4.11	cps
Scandium	45-2	27644	27651	27801	27699	0.32	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	0	0	0	0.00	cps
Selenium	82-1	23	41	-11	18	146.14	cps
Silicon	28-1	318967	320080	323163	320737	0.68	cps
Silver	109-1	58	83	125	89	37.89	cps
Silver	107-1	92	67	108	89	23.59	cps
Sodium	23-2	10396	10563	10513	10490	0.82	cps
Strontium	86-1	633	583	717	644	10.45	cps
Strontium	88-1	133	117	225	158	36.84	cps
Sulfur	34-1	331896	328819	329580	330098	0.49	cps
Terbium	159-1	7850426	7296243	7803322	7649997	4.02	cps
Terbium	159-2	1690988	1736980	1758827	1728932	2.00	cps
Thallium	203-1	150	142	75	122	33.64	cps
Thallium	205-1	267	317	300	294	8.65	cps
Tin	118-1	992	1067	1092	1050	4.96	cps
Titanium	47-1	83	92	108	94	13.48	cps
Uranium	238-1	267	283	292	281	4.54	cps
Vanadium	51-2	10	0	10	7	86.60	cps
Yttrium	89-1	6004419	5572443	5950524	5842462	4.03	cps
Yttrium	89-2	195446	198849	199917	198071	1.18	cps
Zinc	66-2	70	117	77	88	28.75	cps
Zirconium	90-1	333	333	408	358	12.09	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:46:53	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	58	108	67	78	34.44	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:53:50	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	125	100	92	106	16.44	cps
Antimony	121-1	15493	16269	15518	15760	2.80	cps
Arsenic	75-2	94	104	93	97	6.15	cps
Barium	135-1	16227	16644	16861	16578	1.94	cps
Barium	137-1	28449	28790	27429	28223	2.51	cps
Beryllium	9-1	1117	995	1050	1054	5.81	cps
Bismuth	209-1	5215462	5012218	5108327	5112002	1.99	cps
Bismuth	209-2	1514493	1510779	1510248	1511840	0.15	cps
Boron	10-1	2709	2884	2717	2770	3.57	cps
Boron	11-1	12881	13724	13357	13321	3.17	cps
Cadmium	111-1	2556	2531	2691	2593	3.33	cps
Cadmium	106-1	1258	1492	1358	1370	8.55	cps
Cadmium	108-1	83	121	92	99	19.97	cps
Calcium	43-1	9412	9745	8611	9256	6.30	cps
Calcium	44-1	147426	147148	147932	147502	0.27	cps
Chromium	52-2	2227	2324	2070	2207	5.79	cps
Cobalt	59-2	1690	1697	1637	1675	1.96	cps
Copper	63-2	3217	3060	3047	3108	3.04	cps
Dysprosium	156-1	8	0	17	8	100.02	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	58	25	50	44	39.04	cps
Erbium	164-2	3	7	13	8	65.47	cps
Gadolinium	160-1	108	42	42	64	60.24	cps
Gadolinium	160-2	3	0	10	4	114.60	cps
Holmium	165-1	7708611	7331909	7641693	7560738	2.66	cps
Holmium	165-2	1811513	1788738	1812152	1804134	0.74	cps
Indium	115-1	6024004	5762495	5994426	5926975	2.42	cps
Indium	115-2	289069	288778	290476	289441	0.31	cps
Iron	56-2	27767	28023	27478	27756	0.98	cps
Iron	57-2	711	811	700	741	8.26	cps
Lead	206-1	5596	5740	5818	5718	1.97	cps
Lead	207-1	4929	5412	4951	5097	5.36	cps
Lead	208-1	23003	23265	22992	23087	0.67	cps
Lithium	6-1	945866	902966	936821	928551	2.44	cps
Magnesium	24-2	13757	12556	12940	13084	4.69	cps
Manganese	55-2	253	240	283	259	8.57	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:53:50	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	12648	13132	13007	12929	1.94	cps
Molybdenum	95-1	16019	15751	16569	16113	2.59	cps
Molybdenum	96-1	18338	18730	18413	18494	1.13	cps
Molybdenum	97-1	9821	9629	10321	9923	3.60	cps
Molybdenum	98-1	25892	27212	25893	26332	2.89	cps
Neodymium	150-1	13	0	7	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	610	573	593	592	3.10	cps
Phosphorus	31-2	0	8	17	8	100.02	cps
Potassium	39-2	9720	9979	9929	9876	1.39	cps
Rhodium	103-1	5662847	5389348	5618760	5556985	2.64	cps
Rhodium	103-2	1598588	1588169	1606498	1597752	0.58	cps
Scandium	45-1	3260757	3108055	3255583	3208131	2.70	cps
Scandium	45-2	28963	29464	29184	29204	0.86	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	15	13	11	13	14.27	cps
Selenium	82-1	555	511	487	518	6.73	cps
Silicon	28-1	368673	367269	373369	369771	0.86	cps
Silver	109-1	8211	7853	8069	8044	2.24	cps
Silver	107-1	8470	8570	8620	8553	0.89	cps
Sodium	23-2	39732	41328	40375	40478	1.98	cps
Strontium	86-1	2734	2825	2750	2770	1.76	cps
Strontium	88-1	18246	17262	17729	17746	2.78	cps
Sulfur	34-1	340445	336117	338447	338336	0.64	cps
Terbium	159-1	7939226	7589680	7983023	7837310	2.75	cps
Terbium	159-2	1768769	1808424	1791900	1789697	1.11	cps
Thallium	203-1	6435	6919	6227	6527	5.44	cps
Thallium	205-1	15652	16178	16136	15988	1.83	cps
Tin	118-1	28222	27671	27504	27799	1.35	cps
Titanium	47-1	3901	4034	4001	3979	1.74	cps
Uranium	238-1	20818	20267	20284	20456	1.53	cps
Vanadium	51-2	2627	2574	2507	2569	2.34	cps
Yttrium	89-1	6137831	5768989	6062542	5989787	3.25	cps
Yttrium	89-2	205026	206337	208510	206624	0.85	cps
Zinc	66-2	343	443	373	387	13.27	cps
Zirconium	90-1	11789	11414	11247	11483	2.42	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:53:50	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2500	2650	2650	2600	3.33	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:57:20	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5885	6210	5918	6004	2.98	cps
Antimony	121-1	421165	421886	426469	423174	0.68	cps
Arsenic	75-2	4849	4958	4981	4929	1.43	cps
Barium	135-1	460409	458563	457469	458814	0.32	cps
Barium	137-1	804582	798400	800615	801199	0.39	cps
Beryllium	9-1	52228	52395	51832	52152	0.55	cps
Bismuth	209-1	5295395	5223791	5239366	5252850	0.72	cps
Bismuth	209-2	1519035	1419613	1489670	1476106	3.46	cps
Boron	10-1	6477	6210	6143	6277	2.81	cps
Boron	11-1	30542	30099	31452	30698	2.25	cps
Cadmium	111-1	94266	93049	92748	93354	0.86	cps
Cadmium	106-1	10538	10463	10763	10588	1.48	cps
Cadmium	108-1	6281	6589	6518	6463	2.50	cps
Calcium	43-1	90390	88738	88059	89062	1.35	cps
Calcium	44-1	1476143	1461574	1435533	1457750	1.41	cps
Chromium	52-2	40094	39573	40368	40012	1.01	cps
Cobalt	59-2	83954	85098	84873	84642	0.72	cps
Copper	63-2	157106	157238	155764	156703	0.52	cps
Dysprosium	156-1	33	67	17	39	65.47	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	25	67	33	42	52.92	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	75	33	108	72	52.04	cps
Gadolinium	160-2	7	7	10	8	24.71	cps
Holmium	165-1	7796154	7766173	7660781	7741036	0.92	cps
Holmium	165-2	1806172	1698331	1762515	1755673	3.09	cps
Indium	115-1	5972334	6048536	6048880	6023250	0.73	cps
Indium	115-2	290049	271963	283688	281900	3.25	cps
Iron	56-2	1493160	1503573	1499479	1498737	0.35	cps
Iron	57-2	38008	37016	37596	37540	1.33	cps
Lead	206-1	279488	276027	277382	277632	0.63	cps
Lead	207-1	254408	250895	254245	253183	0.78	cps
Lead	208-1	1139708	1132292	1135487	1135829	0.33	cps
Lithium	6-1	944219	937405	928156	936593	0.86	cps
Magnesium	24-2	144905	145024	141868	143932	1.24	cps
Manganese	55-2	23991	23450	23410	23617	1.37	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:57:20	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	336958	335707	339795	337487	0.62	cps
Molybdenum	95-1	179236	181057	181821	180705	0.73	cps
Molybdenum	96-1	233281	233916	232849	233349	0.23	cps
Molybdenum	97-1	114690	116530	111715	114312	2.13	cps
Molybdenum	98-1	294087	294096	292853	293679	0.24	cps
Neodymium	150-1	47	33	20	33	40.01	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	25534	25494	25327	25451	0.43	cps
Phosphorus	31-2	467	467	567	500	11.55	cps
Potassium	39-2	43485	43552	43861	43633	0.46	cps
Rhodium	103-1	5673501	5625946	5615990	5638479	0.55	cps
Rhodium	103-2	1562613	1456290	1507881	1508928	3.52	cps
Scandium	45-1	3298095	3310112	3238836	3282348	1.16	cps
Scandium	45-2	29040	27360	28125	28175	2.98	cps
Selenium	77-2	37	37	30	34	11.18	cps
Selenium	78-2	154	150	133	146	7.45	cps
Selenium	82-1	5637	5721	5615	5658	0.99	cps
Silicon	28-1	527246	526344	527783	527124	0.14	cps
Silver	109-1	441580	430587	425701	432623	1.88	cps
Silver	107-1	454484	454769	451651	453634	0.38	cps
Sodium	23-2	342970	340877	338644	340830	0.63	cps
Strontium	86-1	113368	114418	114519	114101	0.56	cps
Strontium	88-1	987137	984524	987808	986490	0.18	cps
Sulfur	34-1	358737	358439	359138	358771	0.10	cps
Terbium	159-1	8034315	8044381	8010847	8029848	0.21	cps
Terbium	159-2	1804432	1676608	1768905	1749982	3.77	cps
Thallium	203-1	340171	340919	341637	340909	0.22	cps
Thallium	205-1	817929	820724	820672	819775	0.20	cps
Tin	118-1	299542	298688	297502	298577	0.34	cps
Titanium	47-1	46327	47382	45609	46439	1.92	cps
Uranium	238-1	1165975	1159460	1160501	1161979	0.30	cps
Vanadium	51-2	27981	28596	28466	28348	1.14	cps
Yttrium	89-1	6069041	6103196	6088048	6086762	0.28	cps
Yttrium	89-2	206306	193710	204521	201512	3.38	cps
Zinc	66-2	14264	14351	14431	14349	0.58	cps
Zirconium	90-1	634598	631903	635723	634074	0.31	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 10:57:20	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	141647	139812	141983	141147	0.83	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:00:49	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15568	15317	15818	15568	1.61	cps
Antimony	121-1	1077233	1069803	1070593	1072543	0.38	cps
Arsenic	75-2	12369	12165	11929	12154	1.81	cps
Barium	135-1	1173486	1165846	1172712	1170681	0.36	cps
Barium	137-1	2058111	2075520	2080926	2071519	0.58	cps
Beryllium	9-1	131030	131086	131456	131190	0.18	cps
Bismuth	209-1	5307443	5355479	5312715	5325212	0.49	cps
Bismuth	209-2	1515523	1522797	1516095	1518138	0.27	cps
Boron	10-1	15384	15809	14975	15389	2.71	cps
Boron	11-1	74183	75331	76244	75253	1.37	cps
Cadmium	111-1	233338	231152	231260	231916	0.53	cps
Cadmium	106-1	25116	23922	24306	24448	2.49	cps
Cadmium	108-1	16052	16260	16373	16228	1.00	cps
Calcium	43-1	218178	219186	218414	218593	0.24	cps
Calcium	44-1	3562533	3551385	3547928	3553949	0.21	cps
Chromium	52-2	97594	96892	97191	97226	0.36	cps
Cobalt	59-2	206287	206677	205338	206101	0.33	cps
Copper	63-2	385509	386353	383314	385059	0.41	cps
Dysprosium	156-1	25	17	17	19	24.73	cps
Dysprosium	156-2	7	0	10	6	91.64	cps
Erbium	164-1	25	50	33	36	35.25	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	50	75	42	56	31.22	cps
Gadolinium	160-2	20	10	7	12	56.76	cps
Holmium	165-1	7898240	7930488	7970897	7933208	0.46	cps
Holmium	165-2	1821610	1827054	1836981	1828549	0.43	cps
Indium	115-1	6070255	5979031	6068518	6039268	0.86	cps
Indium	115-2	287165	289196	287118	287826	0.41	cps
Iron	56-2	3620372	3671043	3633216	3641543	0.72	cps
Iron	57-2	90895	93305	91163	91788	1.44	cps
Lead	206-1	709657	709915	708307	709293	0.12	cps
Lead	207-1	642794	642978	645978	643917	0.28	cps
Lead	208-1	2884784	2896594	2901299	2894225	0.29	cps
Lithium	6-1	955131	954977	961014	957041	0.36	cps
Magnesium	24-2	351788	350932	351478	351400	0.12	cps
Manganese	55-2	57153	58080	57669	57634	0.81	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:00:49	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	845256	855216	846839	849104	0.63	cps
Molybdenum	95-1	458462	462528	460771	460587	0.44	cps
Molybdenum	96-1	589174	589380	594033	590862	0.47	cps
Molybdenum	97-1	288147	285686	282676	285503	0.96	cps
Molybdenum	98-1	746011	734476	737271	739253	0.81	cps
Neodymium	150-1	33	73	60	56	36.67	cps
Neodymium	150-2	0	10	3	4	114.60	cps
Nickel	60-2	62817	62550	62175	62514	0.52	cps
Phosphorus	31-2	1100	1092	925	1039	9.50	cps
Potassium	39-2	104796	101891	103630	103439	1.41	cps
Rhodium	103-1	5712349	5570788	5632654	5638597	1.26	cps
Rhodium	103-2	1540255	1561371	1556807	1552811	0.72	cps
Scandium	45-1	3239586	3253427	3258447	3250487	0.30	cps
Scandium	45-2	28706	28786	28055	28516	1.41	cps
Selenium	77-2	73	110	83	89	21.32	cps
Selenium	78-2	350	283	330	321	10.64	cps
Selenium	82-1	13864	14025	13772	13887	0.92	cps
Silicon	28-1	833882	833186	841504	836191	0.55	cps
Silver	109-1	1079442	1070588	1092119	1080716	1.00	cps
Silver	107-1	1146399	1135917	1140179	1140832	0.46	cps
Sodium	23-2	810432	815253	804318	810001	0.68	cps
Strontium	86-1	284645	286356	281396	284132	0.89	cps
Strontium	88-1	2491766	2506065	2517603	2505145	0.52	cps
Sulfur	34-1	387135	384445	382341	384640	0.62	cps
Terbium	159-1	8141625	8032302	8221320	8131749	1.17	cps
Terbium	159-2	1809835	1832205	1793584	1811875	1.07	cps
Thallium	203-1	879118	878234	871794	876382	0.46	cps
Thallium	205-1	2120034	2138567	2121468	2126690	0.48	cps
Tin	118-1	765199	752617	759804	759207	0.83	cps
Titanium	47-1	112356	112986	112969	112770	0.32	cps
Uranium	238-1	3079001	3070418	3052690	3067370	0.44	cps
Vanadium	51-2	68379	69632	69515	69175	1.00	cps
Yttrium	89-1	6087961	6108884	6054968	6083938	0.45	cps
Yttrium	89-2	204722	206770	204013	205168	0.70	cps
Zinc	66-2	35278	35362	35485	35375	0.29	cps
Zirconium	90-1	1636764	1634563	1621778	1631035	0.50	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:00:49	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	351523	358044	357395	355654	1.01	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:04:14	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	29348	28914	28555	28939	1.37	cps
Antimony	121-1	2200593	2235873	2207022	2214496	0.85	cps
Arsenic	75-2	23906	23694	23041	23547	1.91	cps
Barium	135-1	2411589	2442796	2392734	2415706	1.05	cps
Barium	137-1	4151353	4118630	4122002	4130662	0.44	cps
Beryllium	9-1	259093	256920	256288	257434	0.57	cps
Bismuth	209-1	5534603	5407368	5454538	5465503	1.18	cps
Bismuth	209-2	1537353	1539073	1530431	1535619	0.30	cps
Boron	10-1	29197	30032	30842	30024	2.74	cps
Boron	11-1	145413	146541	147828	146594	0.82	cps
Cadmium	111-1	463568	461954	462365	462629	0.18	cps
Cadmium	106-1	48538	48079	46648	47755	2.06	cps
Cadmium	108-1	31454	31942	31387	31594	0.96	cps
Calcium	43-1	433012	432953	429493	431819	0.47	cps
Calcium	44-1	6970926	6967307	6945736	6961323	0.20	cps
Chromium	52-2	184552	183725	183390	183889	0.33	cps
Cobalt	59-2	396785	393768	391562	394039	0.67	cps
Copper	63-2	737198	733259	727944	732800	0.63	cps
Dysprosium	156-1	25	33	67	42	52.92	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	17	83	58	53	63.81	cps
Erbium	164-2	17	3	10	10	66.70	cps
Gadolinium	160-1	42	42	58	47	20.38	cps
Gadolinium	160-2	13	20	23	19	26.96	cps
Holmium	165-1	8165171	8070539	8115869	8117193	0.58	cps
Holmium	165-2	1861778	1874806	1866708	1867764	0.35	cps
Indium	115-1	6111747	6061054	6055490	6076097	0.51	cps
Indium	115-2	287390	281672	281217	283426	1.21	cps
Iron	56-2	6932866	6958679	6845101	6912215	0.86	cps
Iron	57-2	175064	175563	175816	175481	0.22	cps
Lead	206-1	1464848	1454444	1455158	1458150	0.40	cps
Lead	207-1	1326926	1319750	1337248	1327975	0.66	cps
Lead	208-1	6041748	5984437	6072526	6032904	0.74	cps
Lithium	6-1	962832	968887	953953	961891	0.78	cps
Magnesium	24-2	665911	658526	654385	659607	0.89	cps
Manganese	55-2	110728	109643	109464	109945	0.62	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:04:14	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1719537	1711539	1729659	1720245	0.53	cps
Molybdenum	95-1	914255	919144	918471	917290	0.29	cps
Molybdenum	96-1	1171658	1180448	1176265	1176123	0.37	cps
Molybdenum	97-1	570781	571586	579478	573948	0.84	cps
Molybdenum	98-1	1502858	1517494	1529005	1516453	0.86	cps
Neodymium	150-1	187	147	120	151	22.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	119568	119705	119652	119642	0.06	cps
Phosphorus	31-2	2200	1850	2009	2020	8.68	cps
Potassium	39-2	189771	187862	186605	188079	0.85	cps
Rhodium	103-1	5584328	5648005	5653036	5628456	0.68	cps
Rhodium	103-2	1542604	1509858	1528102	1526855	1.07	cps
Scandium	45-1	3269416	3213063	3257509	3246663	0.91	cps
Scandium	45-2	27327	26866	26949	27047	0.91	cps
Selenium	77-2	177	180	157	171	7.37	cps
Selenium	78-2	617	548	561	575	6.33	cps
Selenium	82-1	27981	27601	27621	27734	0.77	cps
Silicon	28-1	1230863	1225734	1223648	1226748	0.30	cps
Silver	109-1	2213578	2180547	2206732	2200286	0.79	cps
Silver	107-1	2313596	2277525	2321465	2304195	1.02	cps
Sodium	23-2	1556538	1516185	1510361	1527695	1.65	cps
Strontium	86-1	571523	561453	561992	564989	1.00	cps
Strontium	88-1	4947516	4923179	4939957	4936884	0.25	cps
Sulfur	34-1	440729	436236	435067	437344	0.68	cps
Terbium	159-1	8295621	8299122	8341585	8312109	0.31	cps
Terbium	159-2	1829007	1851001	1836026	1838678	0.61	cps
Thallium	203-1	1859124	1825864	1845977	1843655	0.91	cps
Thallium	205-1	4356828	4331715	4369750	4352764	0.44	cps
Tin	118-1	1530439	1516348	1520025	1522271	0.48	cps
Titanium	47-1	224937	219925	222497	222453	1.13	cps
Uranium	238-1	6232163	6226847	6393484	6284165	1.51	cps
Vanadium	51-2	131958	131540	129993	131164	0.79	cps
Yttrium	89-1	6168927	6076272	6089290	6111497	0.82	cps
Yttrium	89-2	202430	201247	198750	200809	0.94	cps
Zinc	66-2	68776	67574	69185	68512	1.22	cps
Zirconium	90-1	3216595	3189617	3213117	3206443	0.46	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:04:14	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	716969	710126	721583	716226	0.80	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:07:33	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53845	53711	53937	53831	0.21	cps
Antimony	121-1	4309893	4289494	4327418	4308935	0.44	cps
Arsenic	75-2	45103	44787	44752	44881	0.43	cps
Barium	135-1	4724806	4737072	4745242	4735707	0.22	cps
Barium	137-1	8141796	8130380	8141892	8138023	0.08	cps
Beryllium	9-1	494323	491655	486298	490759	0.83	cps
Bismuth	209-1	5727556	5657060	5798124	5727580	1.23	cps
Bismuth	209-2	1536196	1539074	1542061	1539110	0.19	cps
Boron	10-1	56219	58670	57307	57399	2.14	cps
Boron	11-1	273530	278211	280340	277361	1.26	cps
Cadmium	111-1	916704	913011	919079	916264	0.33	cps
Cadmium	106-1	92340	93674	92802	92939	0.73	cps
Cadmium	108-1	63955	63344	63490	63597	0.50	cps
Calcium	43-1	831007	826118	826016	827714	0.34	cps
Calcium	44-1	13368988	13332572	13324531	13342031	0.18	cps
Chromium	52-2	341800	340844	339543	340729	0.33	cps
Cobalt	59-2	737866	740286	739104	739085	0.16	cps
Copper	63-2	1381296	1374651	1366821	1374256	0.53	cps
Dysprosium	156-1	83	92	108	94	13.48	cps
Dysprosium	156-2	7	0	13	7	99.98	cps
Erbium	164-1	33	50	33	39	24.75	cps
Erbium	164-2	17	7	7	10	57.72	cps
Gadolinium	160-1	67	75	50	64	19.92	cps
Gadolinium	160-2	13	23	23	20	28.87	cps
Holmium	165-1	8352996	8298243	8298586	8316608	0.38	cps
Holmium	165-2	1879731	1860862	1870625	1870406	0.50	cps
Indium	115-1	5982641	5954056	6013742	5983480	0.50	cps
Indium	115-2	276818	274444	274437	275233	0.50	cps
Iron	56-2	13029480	13092666	13034490	13052212	0.27	cps
Iron	57-2	331881	333146	331771	332266	0.23	cps
Lead	206-1	3034281	3035041	3055947	3041756	0.40	cps
Lead	207-1	2778522	2787771	2816357	2794217	0.71	cps
Lead	208-1	12405939	12465512	12570344	12480598	0.67	cps
Lithium	6-1	962657	928408	948530	946532	1.82	cps
Magnesium	24-2	1262148	1236646	1204505	1234433	2.34	cps
Manganese	55-2	207415	208559	208200	208058	0.28	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:07:33	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3388505	3365866	3380393	3378255	0.34	cps
Molybdenum	95-1	1854835	1863052	1850753	1856213	0.34	cps
Molybdenum	96-1	2374235	2389358	2370415	2378002	0.42	cps
Molybdenum	97-1	1132309	1121477	1131450	1128412	0.53	cps
Molybdenum	98-1	2960712	2977664	2974457	2970944	0.30	cps
Neodymium	150-1	180	167	273	207	28.12	cps
Neodymium	150-2	0	13	0	4	173.21	cps
Nickel	60-2	223260	223199	222471	222976	0.20	cps
Phosphorus	31-2	3809	3834	3851	3831	0.55	cps
Potassium	39-2	346316	344541	343267	344708	0.44	cps
Rhodium	103-1	5565487	5514870	5586140	5555499	0.66	cps
Rhodium	103-2	1477052	1485201	1481989	1481414	0.28	cps
Scandium	45-1	3152117	3094589	3131765	3126157	0.93	cps
Scandium	45-2	26078	25560	24929	25522	2.25	cps
Selenium	77-2	360	330	357	349	4.71	cps
Selenium	78-2	1113	1082	1093	1096	1.46	cps
Selenium	82-1	54192	53843	53663	53900	0.50	cps
Silicon	28-1	2012544	2008652	2009798	2010331	0.10	cps
Silver	109-1	4290991	4249598	4279276	4273288	0.50	cps
Silver	107-1	4493451	4522860	4457991	4491434	0.72	cps
Sodium	23-2	2785694	2756727	2770128	2770850	0.52	cps
Strontium	86-1	1104898	1096402	1108458	1103252	0.56	cps
Strontium	88-1	9611405	9635932	9562591	9603309	0.39	cps
Sulfur	34-1	522309	522133	516224	520222	0.67	cps
Terbium	159-1	8512517	8472539	8646764	8543940	1.07	cps
Terbium	159-2	1848060	1840432	1841844	1843445	0.22	cps
Thallium	203-1	3781739	3754856	3792709	3776434	0.52	cps
Thallium	205-1	8882888	8854574	8952248	8896570	0.56	cps
Tin	118-1	3041358	3010441	3042622	3031473	0.60	cps
Titanium	47-1	428017	421156	425406	424860	0.82	cps
Uranium	238-1	13072783	13103144	13260024	13145317	0.76	cps
Vanadium	51-2	247345	247085	248251	247560	0.25	cps
Yttrium	89-1	6064135	6033849	6049192	6049059	0.25	cps
Yttrium	89-2	194486	193986	195805	194759	0.48	cps
Zinc	66-2	128428	128431	128693	128518	0.12	cps
Zirconium	90-1	6181087	6275305	6258524	6238305	0.81	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:07:33	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1423632	1422415	1425132	1423727	0.10	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:10:48	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	99128	99396	96427	98317	1.67	cps
Antimony	121-1	8776268	8701352	8772010	8749877	0.48	cps
Arsenic	75-2	85699	86017	84678	85465	0.82	cps
Barium	135-1	9251030	9225499	9260275	9245602	0.19	cps
Barium	137-1	16077544	16206804	16090388	16124912	0.44	cps
Beryllium	9-1	974534	968742	959341	967539	0.79	cps
Bismuth	209-1	5688859	5664017	5642038	5664971	0.41	cps
Bismuth	209-2	1481809	1476411	1447474	1468565	1.26	cps
Boron	10-1	105477	106636	108878	106997	1.62	cps
Boron	11-1	515441	523160	527749	522116	1.19	cps
Cadmium	111-1	1905936	1879595	1888017	1891183	0.71	cps
Cadmium	106-1	185781	186675	187867	186774	0.56	cps
Cadmium	108-1	127941	128231	127285	127819	0.38	cps
Calcium	43-1	1640494	1612689	1616034	1623072	0.94	cps
Calcium	44-1	26091700	25757895	25841612	25897069	0.67	cps
Chromium	52-2	647906	645040	630355	641100	1.47	cps
Cobalt	59-2	1398761	1405411	1372377	1392183	1.26	cps
Copper	63-2	2566869	2583010	2536825	2562234	0.91	cps
Dysprosium	156-1	125	150	83	119	28.20	cps
Dysprosium	156-2	17	23	13	18	28.64	cps
Erbium	164-1	92	58	58	69	27.71	cps
Erbium	164-2	7	3	13	8	65.47	cps
Gadolinium	160-1	75	117	133	108	27.74	cps
Gadolinium	160-2	23	27	13	21	32.88	cps
Holmium	165-1	8266106	8195251	8219968	8227108	0.44	cps
Holmium	165-2	1843889	1813014	1776889	1811264	1.85	cps
Indium	115-1	5806424	5796613	5819296	5807444	0.20	cps
Indium	115-2	257542	256110	250026	254560	1.57	cps
Iron	56-2	23718987	23943367	23454919	23705758	1.03	cps
Iron	57-2	603463	606684	593485	601211	1.14	cps
Lead	206-1	6250498	6222569	6283394	6252154	0.49	cps
Lead	207-1	5787920	5783023	5751247	5774064	0.34	cps
Lead	208-1	25790954	25714468	25552126	25685850	0.47	cps
Lithium	6-1	914096	923035	919323	918818	0.49	cps
Magnesium	24-2	2213379	2258135	2194572	2222029	1.47	cps
Manganese	55-2	387449	387342	379296	384696	1.22	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:10:48	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	6482467	6470023	6474733	6475741	0.10	cps
Molybdenum	95-1	3552588	3558863	3583886	3565112	0.46	cps
Molybdenum	96-1	4566002	4591973	4543683	4567219	0.53	cps
Molybdenum	97-1	2220953	2246467	2259002	2242141	0.86	cps
Molybdenum	98-1	5745993	5816844	5767249	5776695	0.63	cps
Neodymium	150-1	427	300	393	373	17.59	cps
Neodymium	150-2	10	7	3	7	50.03	cps
Nickel	60-2	420436	422256	415499	419397	0.83	cps
Phosphorus	31-2	7144	7369	6760	7091	4.34	cps
Potassium	39-2	621285	621208	604582	615692	1.56	cps
Rhodium	103-1	5328879	5331857	5320245	5326993	0.11	cps
Rhodium	103-2	1394205	1379744	1354262	1376070	1.47	cps
Scandium	45-1	3009208	3007981	2997557	3004915	0.21	cps
Scandium	45-2	23800	23473	22946	23406	1.84	cps
Selenium	77-2	630	680	643	651	3.98	cps
Selenium	78-2	2150	2063	2089	2101	2.13	cps
Selenium	82-1	108553	107953	107983	108163	0.31	cps
Silicon	28-1	3308580	3339019	3331754	3326451	0.48	cps
Silver	109-1	8509835	8528204	8591237	8543092	0.50	cps
Silver	107-1	8934846	8913059	8957090	8934998	0.25	cps
Sodium	23-2	4906005	4905159	4765186	4858783	1.67	cps
Strontium	86-1	2187730	2172335	2141191	2167085	1.09	cps
Strontium	88-1	18734546	18645936	18584873	18655118	0.40	cps
Sulfur	34-1	707069	701693	702804	703855	0.40	cps
Terbium	159-1	8395688	8488031	8398216	8427312	0.62	cps
Terbium	159-2	1806657	1786871	1754555	1782695	1.48	cps
Thallium	203-1	7714735	7616558	7686189	7672494	0.66	cps
Thallium	205-1	18477030	18276342	18288993	18347455	0.61	cps
Tin	118-1	5863480	5868836	5860020	5864112	0.08	cps
Titanium	47-1	820169	818577	818317	819021	0.12	cps
Uranium	238-1	26279620	26913538	26461628	26551595	1.23	cps
Vanadium	51-2	465835	471057	456936	464609	1.54	cps
Yttrium	89-1	5882841	5883985	5856778	5874535	0.26	cps
Yttrium	89-2	184413	185085	179881	183126	1.55	cps
Zinc	66-2	237431	237373	232427	235743	1.22	cps
Zirconium	90-1	12064743	12004660	12055062	12041488	0.27	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:10:48	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2760031	2758021	2745469	2754507	0.29	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:14:00	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	527029	526484	529401	527638	0.29	cps
Antimony	121-1	9420	9354	9721	9498	2.06	cps
Arsenic	75-2	39	39	24	34	25.20	cps
Barium	135-1	2250	2142	1684	2025	14.86	cps
Barium	137-1	3701	3692	3459	3617	3.79	cps
Beryllium	9-1	111	83	44	80	42.05	cps
Bismuth	209-1	4970729	4869023	4834599	4891450	1.45	cps
Bismuth	209-2	1439139	1432981	1443618	1438579	0.37	cps
Boron	10-1	3884	3784	3701	3790	2.42	cps
Boron	11-1	18955	16902	16410	17422	7.75	cps
Cadmium	111-1	911	985	996	964	4.75	cps
Cadmium	106-1	1108	1125	1167	1133	2.65	cps
Cadmium	108-1	21	4	13	13	66.64	cps
Calcium	43-1	7580242	7480687	7528806	7529912	0.66	cps
Calcium	44-1	122760153	122054499	120194290	121669647	1.09	cps
Chromium	52-2	6335	6445	6642	6474	2.40	cps
Cobalt	59-2	1227	1373	1413	1338	7.35	cps
Copper	63-2	2607	2514	2480	2534	2.59	cps
Dysprosium	156-1	50	58	42	50	16.67	cps
Dysprosium	156-2	3	3	10	6	69.34	cps
Erbium	164-1	58	58	42	53	18.23	cps
Erbium	164-2	3	10	3	6	69.34	cps
Gadolinium	160-1	83	83	117	94	20.37	cps
Gadolinium	160-2	17	33	20	23	37.78	cps
Holmium	165-1	7446790	7332340	7276039	7351723	1.18	cps
Holmium	165-2	1855967	1836131	1852332	1848143	0.57	cps
Indium	115-1	5257329	5205313	5060108	5174250	1.98	cps
Indium	115-2	269978	270555	269762	270098	0.15	cps
Iron	56-2	115777822	115482278	114744439	115334846	0.46	cps
Iron	57-2	2961466	2987906	2953296	2967556	0.61	cps
Lead	206-1	6313	6246	6291	6283	0.54	cps
Lead	207-1	5640	5318	5385	5448	3.12	cps
Lead	208-1	25294	25100	24760	25051	1.08	cps
Lithium	6-1	869236	855584	851561	858794	1.08	cps
Magnesium	24-2	10851399	10819396	10718383	10796393	0.64	cps
Manganese	55-2	1223	1197	1277	1232	3.31	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:14:00	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3367	3392	3442	3401	1.12	cps
Molybdenum	95-1	5068	5018	4776	4954	3.15	cps
Molybdenum	96-1	6994	7060	7010	7022	0.49	cps
Molybdenum	97-1	3101	3050	2759	2970	6.21	cps
Molybdenum	98-1	7803	8211	7144	7719	6.98	cps
Neodymium	150-1	113	67	107	96	26.41	cps
Neodymium	150-2	20	17	7	14	48.02	cps
Nickel	60-2	1780	1874	2007	1887	6.04	cps
Phosphorus	31-2	8	17	0	8	100.02	cps
Potassium	39-2	3171411	3124614	3148512	3148179	0.74	cps
Rhodium	103-1	4764228	4673763	4662463	4700151	1.19	cps
Rhodium	103-2	1313026	1305490	1298368	1305628	0.56	cps
Scandium	45-1	2834415	2830307	2830963	2831895	0.08	cps
Scandium	45-2	23016	23276	23413	23235	0.87	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	0	0	0	0.00	cps
Selenium	82-1	-38	-2	92	17	385.53	cps
Silicon	28-1	296088	297656	290823	294856	1.21	cps
Silver	109-1	800	667	775	747	9.48	cps
Silver	107-1	725	600	850	725	17.24	cps
Sodium	23-2	23096211	22912995	22852641	22953949	0.55	cps
Strontium	86-1	66672	65818	64151	65547	1.96	cps
Strontium	88-1	575888	566612	555060	565854	1.84	cps
Sulfur	34-1	260577	259999	254255	258277	1.35	cps
Terbium	159-1	7664506	7507731	7455302	7542513	1.44	cps
Terbium	159-2	1836415	1827877	1828532	1830941	0.26	cps
Thallium	203-1	3051	2367	2359	2592	15.32	cps
Thallium	205-1	6560	5810	5910	6093	6.69	cps
Tin	118-1	2767	2675	2467	2636	5.83	cps
Titanium	47-1	408	417	433	419	3.03	cps
Uranium	238-1	1525	1825	1484	1611	11.57	cps
Vanadium	51-2	57	77	60	64	16.63	cps
Yttrium	89-1	5355252	5202818	5146987	5235019	2.06	cps
Yttrium	89-2	190796	189367	188971	189711	0.51	cps
Zinc	66-2	517	510	520	516	0.99	cps
Zirconium	90-1	1317	1192	1400	1303	8.05	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:14:00	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	317	300	358	325	9.25	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:17:20	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3351	3101	2909	3120	7.10	cps
Antimony	121-1	1590093	1540132	1584816	1571680	1.75	cps
Arsenic	75-2	18184	18116	18327	18209	0.59	cps
Barium	135-1	169361	166907	167791	168020	0.74	cps
Barium	137-1	292198	294875	293253	293442	0.46	cps
Beryllium	9-1	99682	98295	99419	99132	0.74	cps
Bismuth	209-1	5323246	5328241	5237031	5296173	0.97	cps
Bismuth	209-2	1622978	1613153	1612861	1616331	0.36	cps
Boron	10-1	58829	60051	58721	59201	1.25	cps
Boron	11-1	282064	283531	281171	282255	0.42	cps
Cadmium	111-1	174799	174081	173367	174082	0.41	cps
Cadmium	106-1	27112	26769	26377	26753	1.37	cps
Cadmium	108-1	15146	15388	15234	15256	0.80	cps
Calcium	43-1	34543	34761	33992	34432	1.15	cps
Calcium	44-1	548903	547796	551194	549298	0.32	cps
Chromium	52-2	68644	66989	66869	67501	1.47	cps
Cobalt	59-2	150611	149148	148403	149387	0.75	cps
Copper	63-2	137202	135119	134143	135488	1.15	cps
Dysprosium	156-1	0	17	0	6	173.21	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	67	67	117	83	34.64	cps
Erbium	164-2	30	27	30	29	6.65	cps
Gadolinium	160-1	108	33	33	58	74.23	cps
Gadolinium	160-2	3	3	10	6	69.34	cps
Holmium	165-1	7312091	7404622	7426419	7381044	0.82	cps
Holmium	165-2	1932650	1944079	1930495	1935742	0.38	cps
Indium	115-1	5462072	5443917	5403679	5436556	0.55	cps
Indium	115-2	293366	288157	292505	291343	0.96	cps
Iron	56-2	517456	512696	511560	513904	0.61	cps
Iron	57-2	13318	12651	12934	12967	2.58	cps
Lead	206-1	1167472	1161121	1153215	1160603	0.62	cps
Lead	207-1	1031000	1015378	1004462	1016947	1.31	cps
Lead	208-1	4758322	4745911	4648233	4717489	1.28	cps
Lithium	6-1	963922	951885	963033	959613	0.70	cps
Magnesium	24-2	28596	29231	28739	28855	1.15	cps
Manganese	55-2	21019	21333	21096	21150	0.77	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:17:20	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3093622	3030879	3093748	3072750	1.18	cps
Molybdenum	95-1	1699459	1689087	1675562	1688036	0.71	cps
Molybdenum	96-1	2177365	2177316	2160495	2171725	0.45	cps
Molybdenum	97-1	1021908	1016530	1019281	1019240	0.26	cps
Molybdenum	98-1	2694745	2698870	2718161	2703925	0.46	cps
Neodymium	150-1	20	13	20	18	21.66	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	45130	44605	45942	45226	1.49	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	30325	29031	30016	29791	2.27	cps
Rhodium	103-1	5184016	5188755	5147959	5173577	0.43	cps
Rhodium	103-2	1494719	1480396	1480588	1485234	0.55	cps
Scandium	45-1	2935631	2980376	2981841	2965949	0.89	cps
Scandium	45-2	26118	25730	25737	25862	0.86	cps
Selenium	77-2	127	127	127	127	0.00	cps
Selenium	78-2	532	489	463	494	7.00	cps
Selenium	82-1	20106	19893	19776	19925	0.84	cps
Silicon	28-1	1677124	1693714	1674378	1681739	0.62	cps
Silver	109-1	799571	790045	791446	793687	0.65	cps
Silver	107-1	840136	838171	837822	838709	0.15	cps
Sodium	23-2	116306	114122	115214	115214	0.95	cps
Strontium	86-1	999755	994930	1003551	999412	0.43	cps
Strontium	88-1	8718207	8749963	8709328	8725833	0.24	cps
Sulfur	34-1	264516	264397	262452	263788	0.44	cps
Terbium	159-1	7586661	7566704	7598685	7584016	0.21	cps
Terbium	159-2	1924060	1911209	1900461	1911910	0.62	cps
Thallium	203-1	1423990	1436450	1417444	1425961	0.68	cps
Thallium	205-1	3552021	3556569	3536228	3548273	0.30	cps
Tin	118-1	2807307	2782839	2777986	2789377	0.56	cps
Titanium	47-1	403182	404804	403951	403979	0.20	cps
Uranium	238-1	13007666	13136186	13046230	13063361	0.50	cps
Vanadium	51-2	49005	47550	48373	48310	1.51	cps
Yttrium	89-1	5428900	5373987	5439992	5414293	0.65	cps
Yttrium	89-2	203126	199947	201375	201482	0.79	cps
Zinc	66-2	26098	25797	26081	25992	0.65	cps
Zirconium	90-1	5664915	5651316	5600217	5638816	0.60	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:17:20	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1261544	1258002	1246984	1255510	0.60	cps

LB Number : LB90592 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2017-10-05 11:20:25 DataFile Name : 013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	0	8	6	86.60	cps
Antimony	121-1	1400	1575	1417	1464	6.60	cps
Arsenic	75-2	2	4	4	3	34.64	cps
Barium	135-1	25	42	58	42	40.00	cps
Barium	137-1	33	83	67	61	41.67	cps
Beryllium	9-1	56	56	94	69	32.77	cps
Bismuth	209-1	5315098	5387147	5342191	5348145	0.68	cps
Bismuth	209-2	1612625	1615584	1608418	1612209	0.22	cps
Boron	10-1	1742	1742	1484	1656	9.01	cps
Boron	11-1	8486	8528	8253	8422	1.76	cps
Cadmium	111-1	988	925	803	905	10.44	cps
Cadmium	106-1	1367	1250	1117	1245	10.05	cps
Cadmium	108-1	8	0	0	3	173.21	cps
Calcium	43-1	758	1025	742	842	18.89	cps
Calcium	44-1	19790	19523	19331	19548	1.18	cps
Chromium	52-2	427	467	513	469	9.25	cps
Cobalt	59-2	63	43	43	50	23.10	cps
Copper	63-2	207	213	193	204	4.98	cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	17	25	19	24.73	cps
Erbium	164-2	13	3	7	8	65.47	cps
Gadolinium	160-1	67	83	42	64	32.83	cps
Gadolinium	160-2	7	7	10	8	24.71	cps
Holmium	165-1	7360706	7503699	7464960	7443122	0.99	cps
Holmium	165-2	1943735	1916413	1912617	1924255	0.88	cps
Indium	115-1	5617636	5619198	5584474	5607103	0.35	cps
Indium	115-2	298734	299516	300185	299479	0.24	cps
Iron	56-2	1250	1178	1145	1191	4.53	cps
Iron	57-2	39	39	28	35	18.23	cps
Lead	206-1	956	822	856	878	7.91	cps
Lead	207-1	972	811	706	830	16.19	cps
Lead	208-1	3923	3545	3450	3639	6.87	cps
Lithium	6-1	981860	993181	971970	982337	1.08	cps
Magnesium	24-2	100	117	125	114	11.18	cps
Manganese	55-2	13	23	33	23	42.86	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:20:25	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	358	350	350	353	1.36	cps
Molybdenum	95-1	383	267	325	325	17.95	cps
Molybdenum	96-1	508	500	342	450	20.87	cps
Molybdenum	97-1	125	250	183	186	33.61	cps
Molybdenum	98-1	517	492	558	522	6.45	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	37	70	43	50	35.28	cps
Phosphorus	31-2	0	17	33	17	100.00	cps
Potassium	39-2	2309	2375	2250	2311	2.71	cps
Rhodium	103-1	5266753	5303289	5303830	5291291	0.40	cps
Rhodium	103-2	1519180	1525003	1516825	1520336	0.28	cps
Scandium	45-1	2986410	3032407	3012199	3010339	0.77	cps
Scandium	45-2	25814	26068	25817	25900	0.56	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	0	2	1	173.21	cps
Selenium	82-1	60	20	-24	19	221.56	cps
Silicon	28-1	272655	268879	268835	270123	0.81	cps
Silver	109-1	250	317	350	306	16.66	cps
Silver	107-1	342	192	308	281	28.07	cps
Sodium	23-2	13390	12840	12297	12842	4.25	cps
Strontium	86-1	658	475	525	553	17.14	cps
Strontium	88-1	250	267	133	217	33.53	cps
Sulfur	34-1	257928	262138	264022	261363	1.19	cps
Terbium	159-1	7694496	7681399	7700273	7692056	0.13	cps
Terbium	159-2	1910008	1909749	1891379	1903712	0.56	cps
Thallium	203-1	675	758	650	694	8.17	cps
Thallium	205-1	1617	1709	1483	1603	7.06	cps
Tin	118-1	1950	1642	1909	1834	9.13	cps
Titanium	47-1	75	117	92	94	22.21	cps
Uranium	238-1	400	367	433	400	8.33	cps
Vanadium	51-2	3	13	3	7	86.65	cps
Yttrium	89-1	5581393	5559786	5473639	5538272	1.03	cps
Yttrium	89-2	205619	206666	203788	205358	0.71	cps
Zinc	66-2	127	103	103	111	12.12	cps
Zirconium	90-1	467	383	492	447	12.68	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:20:25	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	117	108	92	106	12.06	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:23:35	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	519218	517466	516226	517636	0.29	cps
Antimony	121-1	10338	10555	10780	10557	2.09	cps
Arsenic	75-2	46	30	24	33	34.71	cps
Barium	135-1	2934	2784	2609	2775	5.86	cps
Barium	137-1	4759	4709	4359	4609	4.73	cps
Beryllium	9-1	283	278	289	283	1.96	cps
Bismuth	209-1	5463432	5467826	5090983	5340747	4.05	cps
Bismuth	209-2	1551980	1551369	1537798	1547049	0.52	cps
Boron	10-1	1725	1642	1542	1636	5.61	cps
Boron	11-1	7819	7961	7194	7658	5.33	cps
Cadmium	111-1	1362	1406	1370	1379	1.70	cps
Cadmium	106-1	1167	1125	1083	1125	3.70	cps
Cadmium	108-1	888	908	913	903	1.48	cps
Calcium	43-1	1639304	1640553	1666851	1648903	0.94	cps
Calcium	44-1	26075583	26112247	26571971	26253267	1.05	cps
Chromium	52-2	14524	14728	14314	14522	1.42	cps
Cobalt	59-2	1793	1887	1914	1865	3.38	cps
Copper	63-2	11135	11368	11001	11168	1.66	cps
Dysprosium	156-1	58	42	42	47	20.38	cps
Dysprosium	156-2	7	13	7	9	43.25	cps
Erbium	164-1	75	17	92	61	64.44	cps
Erbium	164-2	10	23	10	14	53.28	cps
Gadolinium	160-1	133	92	117	114	18.41	cps
Gadolinium	160-2	17	20	7	14	48.02	cps
Holmium	165-1	8036289	8021393	7519105	7858929	3.75	cps
Holmium	165-2	1954716	1971228	1923565	1949836	1.24	cps
Indium	115-1	5849353	5875035	5470126	5731505	3.96	cps
Indium	115-2	289756	288250	285778	287928	0.70	cps
Iron	56-2	51239137	51667741	51528958	51478612	0.42	cps
Iron	57-2	1292914	1295343	1296074	1294777	0.13	cps
Lead	206-1	31245	30554	30743	30847	1.16	cps
Lead	207-1	24424	25181	25365	24990	2.00	cps
Lead	208-1	118753	116726	116373	117284	1.09	cps
Lithium	6-1	981237	985984	904915	957379	4.75	cps
Magnesium	24-2	2443811	2453891	2430941	2442881	0.47	cps
Manganese	55-2	1730	1763	1793	1762	1.80	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:23:35	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3829110	3837881	3923156	3863382	1.34	cps
Molybdenum	95-1	6746838	6795188	6883868	6808632	1.02	cps
Molybdenum	96-1	7238701	7341380	7359849	7313310	0.89	cps
Molybdenum	97-1	4270219	4306792	4291607	4289539	0.43	cps
Molybdenum	98-1	10930352	11029632	11063093	11007692	0.63	cps
Neodymium	150-1	53	40	40	44	17.33	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	2584	2707	2490	2594	4.19	cps
Phosphorus	31-2	39197	38127	38729	38684	1.39	cps
Potassium	39-2	1385886	1393798	1400860	1393514	0.54	cps
Rhodium	103-1	5304830	5392462	4938003	5211765	4.63	cps
Rhodium	103-2	1493929	1492479	1495431	1493946	0.10	cps
Scandium	45-1	3083782	3140739	2893026	3039182	4.27	cps
Scandium	45-2	25821	25543	25336	25567	0.95	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	0	0	1	173.21	cps
Selenium	82-1	-25	-4	-20	-16	-67.00	cps
Silicon	28-1	377987	380014	381055	379685	0.41	cps
Silver	109-1	1609	2117	2059	1928	14.43	cps
Silver	107-1	1792	2067	2225	2028	10.81	cps
Sodium	23-2	5277816	5257715	5343012	5292848	0.84	cps
Strontium	86-1	70048	71781	72316	71382	1.66	cps
Strontium	88-1	610231	620057	627069	619119	1.37	cps
Sulfur	34-1	2073613	2075245	2126075	2091644	1.43	cps
Terbium	159-1	8212721	8246726	7672800	8044082	4.00	cps
Terbium	159-2	1918210	1918464	1939540	1925405	0.64	cps
Thallium	203-1	1258	1217	1358	1278	5.70	cps
Thallium	205-1	3501	3284	3467	3417	3.41	cps
Tin	118-1	3592	3659	5011	4088	19.59	cps
Titanium	47-1	1635015	1657449	1648753	1647072	0.69	cps
Uranium	238-1	583	575	633	597	5.28	cps
Vanadium	51-2	73	100	83	86	15.74	cps
Yttrium	89-1	5891109	5959586	5546748	5799148	3.82	cps
Yttrium	89-2	206134	204474	204405	205005	0.48	cps
Zinc	66-2	1537	1530	1670	1579	5.00	cps
Zirconium	90-1	1308	1142	1092	1181	9.61	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:23:35	DataFile Name :	014ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	267	350	258	292	17.38	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:26:41	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	545903	541904	540804	542870	0.49	cps
Antimony	121-1	185928	183255	184532	184572	0.72	cps
Arsenic	75-2	1972	1993	1972	1979	0.59	cps
Barium	135-1	40764	40747	39769	40427	1.41	cps
Barium	137-1	70278	69608	70774	70220	0.83	cps
Beryllium	9-1	21517	20565	20543	20875	2.66	cps
Bismuth	209-1	5485772	5464118	5449254	5466381	0.34	cps
Bismuth	209-2	1534793	1522082	1518825	1525233	0.55	cps
Boron	10-1	1500	1258	1483	1414	9.55	cps
Boron	11-1	6985	7177	6560	6908	4.57	cps
Cadmium	111-1	38112	38170	39115	38466	1.46	cps
Cadmium	106-1	4268	4443	4643	4451	4.22	cps
Cadmium	108-1	3259	3321	3246	3275	1.23	cps
Calcium	43-1	1754887	1741352	1730649	1742296	0.70	cps
Calcium	44-1	27395701	27824471	27638064	27619412	0.78	cps
Chromium	52-2	31011	30978	30848	30946	0.28	cps
Cobalt	59-2	34997	35251	34974	35074	0.44	cps
Copper	63-2	42595	41826	41706	42042	1.15	cps
Dysprosium	156-1	17	33	100	50	88.20	cps
Dysprosium	156-2	3	3	7	4	43.40	cps
Erbium	164-1	58	58	67	61	7.87	cps
Erbium	164-2	17	10	17	14	26.66	cps
Gadolinium	160-1	150	108	83	114	29.57	cps
Gadolinium	160-2	17	17	17	17	0.00	cps
Holmium	165-1	8354611	8340212	8250269	8315031	0.68	cps
Holmium	165-2	1942210	1924289	1925821	1930773	0.51	cps
Indium	115-1	6102005	6108496	6093207	6101236	0.13	cps
Indium	115-2	295408	292112	292985	293502	0.58	cps
Iron	56-2	54444076	54446003	54843718	54577932	0.42	cps
Iron	57-2	1405547	1384533	1371836	1387305	1.23	cps
Lead	206-1	150211	151144	149182	150179	0.65	cps
Lead	207-1	128983	127152	125856	127330	1.23	cps
Lead	208-1	587093	587948	581267	585436	0.62	cps
Lithium	6-1	995503	1017995	997832	1003776	1.23	cps
Magnesium	24-2	2620379	2577177	2603717	2600424	0.84	cps
Manganese	55-2	6335	6408	6428	6390	0.77	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:26:41	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4029811	4048196	4013161	4030389	0.43	cps
Molybdenum	95-1	7114441	7130679	7116324	7120481	0.12	cps
Molybdenum	96-1	7553304	7584388	7581051	7572914	0.23	cps
Molybdenum	97-1	4403619	4440556	4421945	4422040	0.42	cps
Molybdenum	98-1	11450621	11451312	11479228	11460387	0.14	cps
Neodymium	150-1	27	7	47	27	74.99	cps
Neodymium	150-2	7	10	10	9	21.63	cps
Nickel	60-2	12226	12319	12362	12302	0.57	cps
Phosphorus	31-2	41529	41604	41370	41501	0.29	cps
Potassium	39-2	1519558	1542786	1521787	1528044	0.84	cps
Rhodium	103-1	5636309	5645631	5673783	5651908	0.35	cps
Rhodium	103-2	1566870	1552152	1542025	1553682	0.80	cps
Scandium	45-1	3295589	3323083	3288831	3302501	0.55	cps
Scandium	45-2	27771	27520	27654	27648	0.45	cps
Selenium	77-2	10	23	20	18	39.03	cps
Selenium	78-2	57	56	57	57	1.88	cps
Selenium	82-1	2225	2315	2113	2218	4.55	cps
Silicon	28-1	398188	400091	401665	399981	0.44	cps
Silver	109-1	165631	164535	166492	165553	0.59	cps
Silver	107-1	174752	173958	176449	175053	0.73	cps
Sodium	23-2	5709961	5758359	5773685	5747335	0.58	cps
Strontium	86-1	74260	76163	76967	75797	1.83	cps
Strontium	88-1	648116	647327	651372	648938	0.33	cps
Sulfur	34-1	2222969	2261496	2241493	2241986	0.86	cps
Terbium	159-1	8508403	8576982	8652891	8579426	0.84	cps
Terbium	159-2	1968357	1902417	1897990	1922921	2.05	cps
Thallium	203-1	149091	152151	150102	150448	1.04	cps
Thallium	205-1	356550	358629	358879	358019	0.36	cps
Tin	118-1	2517	2542	2367	2475	3.82	cps
Titanium	47-1	1713908	1709300	1732770	1718660	0.72	cps
Uranium	238-1	500	608	558	556	9.76	cps
Vanadium	51-2	10868	11075	11231	11058	1.65	cps
Yttrium	89-1	6197336	6254018	6193457	6214937	0.55	cps
Yttrium	89-2	212527	209212	210052	210597	0.82	cps
Zinc	66-2	4658	4608	4484	4583	1.95	cps
Zirconium	90-1	842	858	1008	903	10.17	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:26:41	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	283	242	258	261	8.03	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV098	Instrumnet Name :	P8
Client Sample ID :	CCV098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:29:45	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	304836	302284	302166	303095	0.50	cps
Antimony	121-1	4492748	4450652	4427077	4456826	0.75	cps
Arsenic	75-2	49685	49600	49094	49460	0.65	cps
Barium	135-1	4782834	4760474	4722817	4755375	0.64	cps
Barium	137-1	8272947	8245862	8161116	8226642	0.71	cps
Beryllium	9-1	537088	533634	537077	535933	0.37	cps
Bismuth	209-1	5292771	5297850	5269541	5286720	0.29	cps
Bismuth	209-2	1515732	1511802	1517320	1514951	0.19	cps
Boron	10-1	57675	59324	59658	58886	1.80	cps
Boron	11-1	285216	287628	290406	287750	0.90	cps
Cadmium	111-1	923290	918826	917325	919814	0.34	cps
Cadmium	106-1	95353	96645	92936	94978	1.98	cps
Cadmium	108-1	64094	64516	63671	64094	0.66	cps
Calcium	43-1	4337203	4296900	4305385	4313163	0.49	cps
Calcium	44-1	69942220	69507031	69597908	69682386	0.33	cps
Chromium	52-2	379541	380819	376893	379084	0.53	cps
Cobalt	59-2	798929	798251	793092	796757	0.40	cps
Copper	63-2	1419090	1424046	1406377	1416504	0.64	cps
Dysprosium	156-1	125	83	108	106	19.87	cps
Dysprosium	156-2	0	10	20	10	100.00	cps
Erbium	164-1	33	50	75	53	39.74	cps
Erbium	164-2	17	3	7	9	78.08	cps
Gadolinium	160-1	183	117	100	133	33.07	cps
Gadolinium	160-2	23	40	20	28	38.58	cps
Holmium	165-1	8119784	8051661	8010765	8060737	0.68	cps
Holmium	165-2	1931603	1944929	1931170	1935901	0.40	cps
Indium	115-1	5884687	5818765	5841089	5848180	0.57	cps
Indium	115-2	288245	286318	288261	287608	0.39	cps
Iron	56-2	67817613	67399607	66929832	67382351	0.66	cps
Iron	57-2	1738273	1744682	1728307	1737088	0.48	cps
Lead	206-1	3040825	3013399	3036396	3030207	0.49	cps
Lead	207-1	2763761	2769855	2760642	2764753	0.17	cps
Lead	208-1	12372374	12312978	12358599	12347983	0.25	cps
Lithium	6-1	988386	1001257	978185	989276	1.17	cps
Magnesium	24-2	6434519	6365920	6360597	6387012	0.65	cps
Manganese	55-2	230143	227278	226349	227923	0.87	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV098	Instrumnet Name :	P8
Client Sample ID :	CCV098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:29:45	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3473897	3477851	3430343	3460697	0.76	cps
Molybdenum	95-1	1905259	1884017	1882003	1890426	0.68	cps
Molybdenum	96-1	2466688	2434173	2401331	2434064	1.34	cps
Molybdenum	97-1	1145707	1134714	1133418	1137947	0.59	cps
Molybdenum	98-1	3050804	3016218	3001436	3022819	0.84	cps
Neodymium	150-1	200	180	233	204	13.18	cps
Neodymium	150-2	13	7	27	16	65.47	cps
Nickel	60-2	241565	240097	237425	239696	0.88	cps
Phosphorus	31-2	3926	4117	4017	4020	2.39	cps
Potassium	39-2	1920915	1888059	1920061	1909678	0.98	cps
Rhodium	103-1	5421385	5430154	5383589	5411709	0.46	cps
Rhodium	103-2	1488265	1478260	1466791	1477772	0.73	cps
Scandium	45-1	3276830	3261097	3245671	3261200	0.48	cps
Scandium	45-2	27123	27494	27140	27252	0.77	cps
Selenium	77-2	313	360	377	350	9.38	cps
Selenium	78-2	1220	1304	1202	1242	4.37	cps
Selenium	82-1	56517	56128	55487	56044	0.93	cps
Silicon	28-1	2041904	2050795	2050368	2047689	0.24	cps
Silver	109-1	4375972	4336446	4338411	4350276	0.51	cps
Silver	107-1	4624554	4602025	4579792	4602124	0.49	cps
Sodium	23-2	14316928	14143154	14080256	14180113	0.86	cps
Strontium	86-1	1150096	1149141	1151206	1150148	0.09	cps
Strontium	88-1	9910351	10107249	9906902	9974834	1.15	cps
Sulfur	34-1	533959	526063	525704	528575	0.88	cps
Terbium	159-1	8338576	8300862	8185806	8275081	0.96	cps
Terbium	159-2	1931987	1919668	1906151	1919268	0.67	cps
Thallium	203-1	3751282	3747495	3752945	3750574	0.07	cps
Thallium	205-1	8787847	8751761	8708706	8749438	0.45	cps
Tin	118-1	3058766	3029295	3003938	3030666	0.91	cps
Titanium	47-1	445457	446914	441876	444749	0.58	cps
Uranium	238-1	12671539	12726199	12665695	12687811	0.26	cps
Vanadium	51-2	277653	278645	273701	276666	0.95	cps
Yttrium	89-1	6109549	6052163	6109265	6090326	0.54	cps
Yttrium	89-2	208850	209912	206208	208324	0.92	cps
Zinc	66-2	133340	133336	134151	133609	0.35	cps
Zirconium	90-1	6445891	6386372	6345384	6392549	0.79	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV098	Instrumnet Name :	P8
Client Sample ID :	CCV098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:29:45	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1454944	1443345	1447548	1448612	0.41	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB098	Instrumnet Name :	P8
Client Sample ID :	CCB098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:32:45	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	8	8	11	43.34	cps
Antimony	121-1	2359	2775	2509	2548	8.29	cps
Arsenic	75-2	6	6	0	4	86.60	cps
Barium	135-1	17	42	42	33	43.30	cps
Barium	137-1	42	33	67	47	36.74	cps
Beryllium	9-1	83	39	56	59	37.89	cps
Bismuth	209-1	5524528	5635105	5279182	5479605	3.32	cps
Bismuth	209-2	1563156	1532601	1537395	1544384	1.06	cps
Boron	10-1	2000	1575	1792	1789	11.88	cps
Boron	11-1	9670	8586	7986	8747	9.76	cps
Cadmium	111-1	1002	1011	934	982	4.28	cps
Cadmium	106-1	1350	1400	1275	1342	4.69	cps
Cadmium	108-1	8	21	0	10	107.86	cps
Calcium	43-1	942	958	1017	972	4.05	cps
Calcium	44-1	22252	21993	22611	22285	1.39	cps
Chromium	52-2	493	463	523	493	6.08	cps
Cobalt	59-2	37	23	47	36	32.93	cps
Copper	63-2	410	337	343	363	11.16	cps
Dysprosium	156-1	17	17	8	14	34.67	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	33	8	33	25	57.74	cps
Erbium	164-2	13	13	0	9	86.60	cps
Gadolinium	160-1	42	50	42	44	10.82	cps
Gadolinium	160-2	3	3	7	4	43.40	cps
Holmium	165-1	7965423	7995116	7540880	7833806	3.24	cps
Holmium	165-2	1895105	1862630	1855263	1870999	1.13	cps
Indium	115-1	6098583	6150478	5763187	6004083	3.50	cps
Indium	115-2	297458	286840	289225	291174	1.91	cps
Iron	56-2	1572	1550	1578	1567	0.94	cps
Iron	57-2	44	50	61	52	16.36	cps
Lead	206-1	1228	1333	1311	1291	4.31	cps
Lead	207-1	1022	1156	1039	1072	6.78	cps
Lead	208-1	5095	5290	5067	5151	2.35	cps
Lithium	6-1	1014543	1043252	970259	1009351	3.64	cps
Magnesium	24-2	133	133	108	125	11.55	cps
Manganese	55-2	17	10	17	14	26.66	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB098	Instrumnet Name :	P8
Client Sample ID :	CCB098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:32:45	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	742	592	492	608	20.68	cps
Molybdenum	95-1	658	658	567	628	8.43	cps
Molybdenum	96-1	683	617	600	633	6.96	cps
Molybdenum	97-1	433	400	283	372	21.16	cps
Molybdenum	98-1	900	1008	800	903	11.54	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	60	40	57	52	20.52	cps
Phosphorus	31-2	0	0	8	3	173.21	cps
Potassium	39-2	2642	2484	2834	2653	6.61	cps
Rhodium	103-1	5690488	5693030	5373882	5585800	3.29	cps
Rhodium	103-2	1542459	1485808	1534720	1520996	2.02	cps
Scandium	45-1	3241725	3275876	3070231	3195944	3.45	cps
Scandium	45-2	27227	26168	26535	26643	2.02	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	0	0	1	173.21	cps
Selenium	82-1	-64	38	16	-3	-1691.90	cps
Silicon	28-1	287102	283632	280381	283705	1.18	cps
Silver	109-1	617	608	458	561	15.88	cps
Silver	107-1	592	717	558	622	13.42	cps
Sodium	23-2	13357	12531	12881	12923	3.21	cps
Strontium	86-1	625	633	508	589	11.87	cps
Strontium	88-1	167	133	242	181	30.73	cps
Sulfur	34-1	277778	283490	277481	279583	1.21	cps
Terbium	159-1	8219449	8354309	7773469	8115742	3.75	cps
Terbium	159-2	1885661	1853530	1837456	1858882	1.32	cps
Thallium	203-1	1125	1042	917	1028	10.20	cps
Thallium	205-1	2509	2609	2475	2531	2.74	cps
Tin	118-1	1650	1784	1567	1667	6.56	cps
Titanium	47-1	108	117	92	106	12.06	cps
Uranium	238-1	242	308	158	236	31.83	cps
Vanadium	51-2	7	7	7	7	0.00	cps
Yttrium	89-1	6007893	6032324	5762442	5934220	2.52	cps
Yttrium	89-2	206801	198252	201619	202224	2.13	cps
Zinc	66-2	110	140	147	132	14.77	cps
Zirconium	90-1	608	625	542	592	7.45	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB098	Instrumnet Name :	P8
Client Sample ID :	CCB098	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:32:45	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	192	142	125	153	22.71	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:35:53	DataFile Name :	018SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	108	108	117	111	4.33	cps
Antimony	121-1	17095	16578	16853	16842	1.54	cps
Arsenic	75-2	100	100	89	96	6.66	cps
Barium	135-1	16770	16853	16377	16667	1.52	cps
Barium	137-1	28181	29317	29350	28949	2.30	cps
Beryllium	9-1	950	1106	1006	1020	7.73	cps
Bismuth	209-1	5525780	5578126	5527694	5543867	0.54	cps
Bismuth	209-2	1609988	1601711	1463928	1558542	5.26	cps
Boron	10-1	3309	3592	3659	3520	5.28	cps
Boron	11-1	17328	17195	18095	17539	2.77	cps
Cadmium	111-1	2798	2550	2617	2655	4.84	cps
Cadmium	106-1	1500	1458	1433	1464	2.30	cps
Cadmium	108-1	104	138	142	128	16.08	cps
Calcium	43-1	8578	8661	8645	8628	0.51	cps
Calcium	44-1	145767	148343	147991	147367	0.95	cps
Chromium	52-2	1944	2020	1887	1950	3.43	cps
Cobalt	59-2	1433	1503	1760	1566	10.99	cps
Copper	63-2	3187	3060	2837	3028	5.85	cps
Dysprosium	156-1	0	8	25	11	114.58	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	33	33	25	31	15.74	cps
Erbium	164-2	20	17	7	14	48.02	cps
Gadolinium	160-1	33	58	58	50	28.88	cps
Gadolinium	160-2	10	10	13	11	17.30	cps
Holmium	165-1	7939611	8087083	7966020	7997572	0.98	cps
Holmium	165-2	1972940	1917190	1766713	1885614	5.66	cps
Indium	115-1	6157832	6152399	6024145	6111459	1.24	cps
Indium	115-2	303800	303067	278061	294976	4.97	cps
Iron	56-2	27233	27066	27172	27157	0.31	cps
Iron	57-2	594	778	572	648	17.41	cps
Lead	206-1	6652	6780	6307	6580	3.71	cps
Lead	207-1	5768	5768	5590	5709	1.80	cps
Lead	208-1	26673	26662	25355	26230	2.89	cps
Lithium	6-1	1044568	1036666	1002995	1028076	2.15	cps
Magnesium	24-2	12506	12314	12081	12300	1.73	cps
Manganese	55-2	207	263	260	243	13.07	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:35:53	DataFile Name :	018SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	14141	13132	13607	13627	3.71	cps
Molybdenum	95-1	16077	16210	15418	15902	2.67	cps
Molybdenum	96-1	18288	18346	17287	17974	3.31	cps
Molybdenum	97-1	10404	10855	10379	10546	2.54	cps
Molybdenum	98-1	26452	26493	26435	26460	0.11	cps
Neodymium	150-1	33	13	7	18	78.05	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	563	503	543	537	5.69	cps
Phosphorus	31-2	8	0	17	8	100.02	cps
Potassium	39-2	9454	9946	9195	9531	4.00	cps
Rhodium	103-1	5776037	5713422	5655317	5714925	1.06	cps
Rhodium	103-2	1614988	1610756	1487778	1571174	4.60	cps
Scandium	45-1	3275015	3281850	3228754	3261873	0.89	cps
Scandium	45-2	27320	27387	25407	26705	4.21	cps
Selenium	77-2	3	10	3	6	69.34	cps
Selenium	78-2	20	9	13	14	39.85	cps
Selenium	82-1	609	505	489	534	12.21	cps
Silicon	28-1	325703	324546	324480	324909	0.21	cps
Silver	109-1	8286	8578	8028	8297	3.32	cps
Silver	107-1	8386	8787	8386	8520	2.71	cps
Sodium	23-2	38996	38453	37309	38253	2.25	cps
Strontium	86-1	2550	2625	2584	2586	1.45	cps
Strontium	88-1	17946	17570	17646	17721	1.12	cps
Sulfur	34-1	285028	285589	286407	285675	0.24	cps
Terbium	159-1	8357832	8350546	8226791	8311723	0.89	cps
Terbium	159-2	1919100	1940785	1741582	1867156	5.85	cps
Thallium	203-1	7186	7161	7119	7155	0.47	cps
Thallium	205-1	17847	17096	16545	17162	3.81	cps
Tin	118-1	27187	27630	26928	27248	1.30	cps
Titanium	47-1	4176	4242	3984	4134	3.25	cps
Uranium	238-1	21837	22196	21302	21778	2.06	cps
Vanadium	51-2	2600	2474	2254	2442	7.18	cps
Yttrium	89-1	6093961	6097264	5995657	6062294	0.95	cps
Yttrium	89-2	213858	209936	193910	205901	5.13	cps
Zinc	66-2	393	303	337	344	13.21	cps
Zirconium	90-1	11714	11472	11355	11514	1.59	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:35:53	DataFile Name :	018SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2659	2709	2809	2725	2.80	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	I5556-04RE	Instrumnet Name :	P8
Client Sample ID :	MH0CL2RE	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:39:02	DataFile Name :	019SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	283	383	417	361	19.22	cps
Antimony	121-1	2409	2392	2409	2403	0.40	cps
Arsenic	75-2	1046	1076	1013	1045	3.01	cps
Barium	135-1	91473	91708	90769	91317	0.54	cps
Barium	137-1	159568	159889	159081	159512	0.26	cps
Beryllium	9-1	328	350	339	339	3.28	cps
Bismuth	209-1	5769550	5852432	5906980	5842987	1.18	cps
Bismuth	209-2	1499784	1497055	1473470	1490103	0.97	cps
Boron	10-1	5268	5393	5443	5368	1.68	cps
Boron	11-1	26734	27193	27185	27037	0.97	cps
Cadmium	111-1	1037	957	952	982	4.85	cps
Cadmium	106-1	1417	1267	1275	1320	6.39	cps
Cadmium	108-1	25	13	17	18	35.25	cps
Calcium	43-1	8793936	8775956	8704623	8758172	0.54	cps
Calcium	44-1	143436657	141845270	141162961	142148296	0.82	cps
Chromium	52-2	497	577	570	548	8.10	cps
Cobalt	59-2	433711	427982	426356	429350	0.90	cps
Copper	63-2	857	867	1010	911	9.42	cps
Dysprosium	156-1	1617	1609	1867	1697	8.65	cps
Dysprosium	156-2	360	317	417	364	13.76	cps
Erbium	164-1	1584	1609	1559	1584	1.58	cps
Erbium	164-2	320	297	317	311	4.06	cps
Gadolinium	160-1	1350	1383	1525	1420	6.55	cps
Gadolinium	160-2	453	380	397	410	9.38	cps
Holmium	165-1	8754283	8716892	8783302	8751492	0.38	cps
Holmium	165-2	1882186	1873693	1823530	1859803	1.70	cps
Indium	115-1	6379451	6468503	6369690	6405881	0.85	cps
Indium	115-2	279923	274359	270695	274992	1.69	cps
Iron	56-2	19627278	19231857	19047163	19302100	1.54	cps
Iron	57-2	487844	482500	477762	482702	1.04	cps
Lead	206-1	2561	2078	1895	2178	15.82	cps
Lead	207-1	2228	1839	2056	2041	9.55	cps
Lead	208-1	10030	8874	8357	9087	9.43	cps
Lithium	6-1	1014778	1016622	986989	1006130	1.65	cps
Magnesium	24-2	3927627	3886834	3843190	3885884	1.09	cps
Manganese	55-2	44216364	43382024	42660924	43419771	1.79	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	I5556-04RE	Instrumnet Name :	P8
Client Sample ID :	MH0CL2RE	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:39:02	DataFile Name :	019SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	6077	6160	6160	6132	0.79	cps
Molybdenum	95-1	13432	13808	13065	13435	2.76	cps
Molybdenum	96-1	8528	8670	8536	8578	0.93	cps
Molybdenum	97-1	5126	4943	4601	4890	5.45	cps
Molybdenum	98-1	12698	12331	12248	12426	1.93	cps
Neodymium	150-1	1147	1073	1067	1096	4.05	cps
Neodymium	150-2	130	237	160	176	31.33	cps
Nickel	60-2	137874	136719	135259	136617	0.96	cps
Phosphorus	31-2	17	25	25	22	21.64	cps
Potassium	39-2	177699	175116	172671	175162	1.44	cps
Rhodium	103-1	5713151	5825186	5761008	5766448	0.97	cps
Rhodium	103-2	1560593	1540010	1490799	1530467	2.34	cps
Scandium	45-1	3187129	3244291	3179944	3203788	1.10	cps
Scandium	45-2	25296	24869	25273	25146	0.96	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	2	0	4	2	100.00	cps
Selenium	82-1	132	67	88	96	34.99	cps
Silicon	28-1	35477711	35077281	34590298	35048430	1.27	cps
Silver	109-1	3126	3567	3434	3376	6.71	cps
Silver	107-1	3467	3626	4159	3751	9.66	cps
Sodium	23-2	2903094	2847850	2823206	2858050	1.43	cps
Strontium	86-1	3441399	3480350	3434623	3452124	0.71	cps
Strontium	88-1	29423038	29927460	29693698	29681399	0.85	cps
Sulfur	34-1	15397323	15470284	15167830	15345146	1.03	cps
Terbium	159-1	9019867	9029505	8998575	9015982	0.18	cps
Terbium	159-2	1869491	1852236	1829934	1850553	1.07	cps
Thallium	203-1	1267	1167	1067	1167	8.57	cps
Thallium	205-1	2909	2900	2659	2823	5.03	cps
Tin	118-1	1442	1292	1183	1306	9.94	cps
Titanium	47-1	517	542	542	533	2.71	cps
Uranium	238-1	10455	11122	10555	10711	3.36	cps
Vanadium	51-2	33	23	10	22	52.68	cps
Yttrium	89-1	6524819	6501971	6529755	6518848	0.23	cps
Yttrium	89-2	202180	199297	195944	199140	1.57	cps
Zinc	66-2	13880	13550	13820	13750	1.28	cps
Zirconium	90-1	4693	4426	3742	4287	11.43	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	I5556-04RE	Instrumnet Name :	P8
Client Sample ID :	MH0CL2RE	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:39:02	DataFile Name :	019SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1058	950	917	975	7.60	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV099	Instrumnet Name :	P8
Client Sample ID :	CCV099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:51:35	DataFile Name :	023CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	265947	268950	270600	268499	0.88	cps
Antimony	121-1	4343345	4332170	4365311	4346942	0.39	cps
Arsenic	75-2	44828	45601	45423	45284	0.89	cps
Barium	135-1	4656437	4657039	4674153	4662543	0.22	cps
Barium	137-1	8041328	8042283	8030631	8038081	0.08	cps
Beryllium	9-1	454596	455453	460634	456894	0.72	cps
Bismuth	209-1	5248513	5289557	5248886	5262319	0.45	cps
Bismuth	209-2	1339285	1339524	1351545	1343451	0.52	cps
Boron	10-1	51610	51610	53450	52224	2.03	cps
Boron	11-1	246279	253415	258752	252815	2.48	cps
Cadmium	111-1	896237	893470	898659	896122	0.29	cps
Cadmium	106-1	90939	91661	89983	90861	0.93	cps
Cadmium	108-1	62561	61506	61728	61932	0.90	cps
Calcium	43-1	3913256	3983267	3973203	3956575	0.96	cps
Calcium	44-1	63187468	63994499	64091945	63757971	0.78	cps
Chromium	52-2	363586	365791	367585	365654	0.55	cps
Cobalt	59-2	761570	766638	770783	766330	0.60	cps
Copper	63-2	1356532	1361297	1364862	1360897	0.31	cps
Dysprosium	156-1	92	83	100	92	9.09	cps
Dysprosium	156-2	23	7	17	16	53.90	cps
Erbium	164-1	42	108	50	67	54.49	cps
Erbium	164-2	13	10	3	9	57.30	cps
Gadolinium	160-1	92	150	158	133	27.24	cps
Gadolinium	160-2	10	23	17	17	39.99	cps
Holmium	165-1	7954121	7984157	8000679	7979652	0.30	cps
Holmium	165-2	1709358	1728353	1763070	1733594	1.57	cps
Indium	115-1	5738460	5719664	5739189	5732437	0.19	cps
Indium	115-2	250170	252773	254022	252322	0.78	cps
Iron	56-2	62392465	63243893	63459197	63031852	0.89	cps
Iron	57-2	1591511	1622250	1617309	1610356	1.03	cps
Lead	206-1	2987597	3027083	2984184	2999621	0.79	cps
Lead	207-1	2749947	2784700	2704892	2746513	1.46	cps
Lead	208-1	12233752	12379380	12104823	12239318	1.12	cps
Lithium	6-1	796669	804451	808656	803259	0.76	cps
Magnesium	24-2	6073853	6051696	6059973	6061840	0.18	cps
Manganese	55-2	207986	210599	210385	209657	0.69	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV099	Instrumnet Name :	P8
Client Sample ID :	CCV099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:51:35	DataFile Name :	023CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3284099	3290456	3307969	3294175	0.38	cps
Molybdenum	95-1	1825502	1811330	1803695	1813509	0.61	cps
Molybdenum	96-1	2320230	2330200	2344541	2331657	0.52	cps
Molybdenum	97-1	1089476	1096913	1092310	1092900	0.34	cps
Molybdenum	98-1	2883901	2866958	2908353	2886404	0.72	cps
Neodymium	150-1	120	207	180	169	26.28	cps
Neodymium	150-2	10	0	10	7	86.60	cps
Nickel	60-2	228490	231644	229542	229892	0.70	cps
Phosphorus	31-2	4042	3909	3451	3801	8.17	cps
Potassium	39-2	1760210	1763883	1800454	1774849	1.25	cps
Rhodium	103-1	5231102	5176226	5207793	5205040	0.53	cps
Rhodium	103-2	1395987	1388308	1386331	1390209	0.37	cps
Scandium	45-1	2944495	3025316	2997072	2988961	1.37	cps
Scandium	45-2	25887	26225	25991	26034	0.66	cps
Selenium	77-2	353	347	390	363	6.42	cps
Selenium	78-2	1032	1074	1037	1048	2.21	cps
Selenium	82-1	52974	53136	53146	53085	0.18	cps
Silicon	28-1	1706071	1746828	1777214	1743371	2.05	cps
Silver	109-1	4250795	4179670	4230724	4220396	0.87	cps
Silver	107-1	4424155	4452724	4429814	4435564	0.34	cps
Sodium	23-2	13806849	13889996	13833097	13843314	0.31	cps
Strontium	86-1	1120233	1120070	1130050	1123451	0.51	cps
Strontium	88-1	9577079	9719753	9712544	9669792	0.83	cps
Sulfur	34-1	495555	492977	496706	495079	0.39	cps
Terbium	159-1	8262174	8212086	8281190	8251817	0.43	cps
Terbium	159-2	1690536	1691688	1707423	1696549	0.56	cps
Thallium	203-1	3693612	3746894	3690922	3710476	0.85	cps
Thallium	205-1	8702375	8803959	8663112	8723149	0.83	cps
Tin	118-1	2954820	2958184	2957338	2956781	0.06	cps
Titanium	47-1	404160	408032	411696	407963	0.92	cps
Uranium	238-1	12389440	12506812	12411092	12435781	0.50	cps
Vanadium	51-2	260861	265268	265924	264018	1.04	cps
Yttrium	89-1	5875346	5936474	5874036	5895285	0.61	cps
Yttrium	89-2	186554	187844	188977	187792	0.65	cps
Zinc	66-2	123164	125134	124388	124229	0.80	cps
Zirconium	90-1	6159728	6120937	6164601	6148422	0.39	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCV099	Instrumnet Name :	P8
Client Sample ID :	CCV099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:51:35	DataFile Name :	023CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1365648	1403478	1382413	1383846	1.37	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB099	Instrumnet Name :	P8
Client Sample ID :	CCB099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:54:36	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	42	42	25	36	26.65	cps
Antimony	121-1	2817	2367	2400	2528	9.92	cps
Arsenic	75-2	6	4	0	3	91.69	cps
Barium	135-1	58	17	8	28	96.44	cps
Barium	137-1	42	50	67	53	24.12	cps
Beryllium	9-1	39	78	44	54	39.16	cps
Bismuth	209-1	5406754	5354854	5087035	5282881	3.25	cps
Bismuth	209-2	1430387	1318482	1367112	1371994	4.09	cps
Boron	10-1	1942	1792	1684	1806	7.19	cps
Boron	11-1	8261	7911	7752	7975	3.26	cps
Cadmium	111-1	908	901	945	918	2.57	cps
Cadmium	106-1	1225	1242	1308	1258	3.51	cps
Cadmium	108-1	0	8	13	7	91.66	cps
Calcium	43-1	1108	1192	1158	1153	3.64	cps
Calcium	44-1	19973	19422	19389	19595	1.67	cps
Chromium	52-2	607	560	540	569	6.01	cps
Cobalt	59-2	37	27	33	32	15.80	cps
Copper	63-2	287	370	323	327	12.78	cps
Dysprosium	156-1	0	0	8	3	173.21	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	25	17	25	22	21.64	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	42	58	58	53	18.23	cps
Gadolinium	160-2	3	3	10	6	69.34	cps
Holmium	165-1	7897266	7896548	7470390	7754735	3.18	cps
Holmium	165-2	1738026	1576456	1663689	1659390	4.87	cps
Indium	115-1	6093244	6161418	5813550	6022737	3.06	cps
Indium	115-2	276956	253231	261823	264003	4.55	cps
Iron	56-2	1856	1695	1806	1785	4.62	cps
Iron	57-2	67	39	56	54	26.03	cps
Lead	206-1	850	767	778	798	5.67	cps
Lead	207-1	761	617	817	732	14.11	cps
Lead	208-1	3445	3172	3250	3289	4.26	cps
Lithium	6-1	875585	873515	832237	860446	2.84	cps
Magnesium	24-2	117	108	142	122	14.19	cps
Manganese	55-2	33	43	40	39	13.09	cps

LB Number :	LB90592	Operator :	Jaswal
Lab Sample ID :	CCB099	Instrumnet Name :	P8
Client Sample ID :	CCB099	Dilution Factor :	1
Date & Time Acquired ::	2017-10-05 11:54:36	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	408	358	400	389	6.89	cps
Molybdenum	95-1	317	283	225	275	16.87	cps
Molybdenum	96-1	383	342	333	353	7.59	cps
Molybdenum	97-1	242	242	142	208	27.71	cps
Molybdenum	98-1	775	475	425	558	33.90	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	80	57	60	66	19.25	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	2742	2909	2759	2803	3.28	cps
Rhodium	103-1	5819707	5761581	5458223	5679837	3.42	cps
Rhodium	103-2	1527040	1389304	1441006	1452450	4.79	cps
Scandium	45-1	3228950	3255762	3084148	3189620	2.89	cps
Scandium	45-2	27864	26121	26124	26703	3.77	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	2	2	43.30	cps
Selenium	82-1	-21	-46	-48	-38	-39.94	cps
Silicon	28-1	258133	258347	251000	255826	1.63	cps
Silver	109-1	650	700	567	639	10.54	cps
Silver	107-1	642	658	642	647	1.49	cps
Sodium	23-2	15234	15567	15359	15387	1.10	cps
Strontium	86-1	717	675	800	731	8.71	cps
Strontium	88-1	133	200	175	169	19.88	cps
Sulfur	34-1	291894	293113	289498	291502	0.63	cps
Terbium	159-1	8111898	8231714	7730437	8024683	3.26	cps
Terbium	159-2	1705969	1567620	1638635	1637408	4.23	cps
Thallium	203-1	875	667	592	711	20.65	cps
Thallium	205-1	1942	1817	1508	1756	12.71	cps
Tin	118-1	1892	1834	1433	1720	14.51	cps
Titanium	47-1	142	67	67	92	47.24	cps
Uranium	238-1	250	183	133	189	30.99	cps
Vanadium	51-2	13	7	17	12	41.65	cps
Yttrium	89-1	6214624	6226469	5863931	6101675	3.38	cps
Yttrium	89-2	197256	182861	187326	189148	3.90	cps
Zinc	66-2	137	120	90	116	20.47	cps
Zirconium	90-1	692	700	717	703	1.81	cps

LB Number :	LB90592	Operator :	Jaswal
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	117	125	150	131	13.29	cps