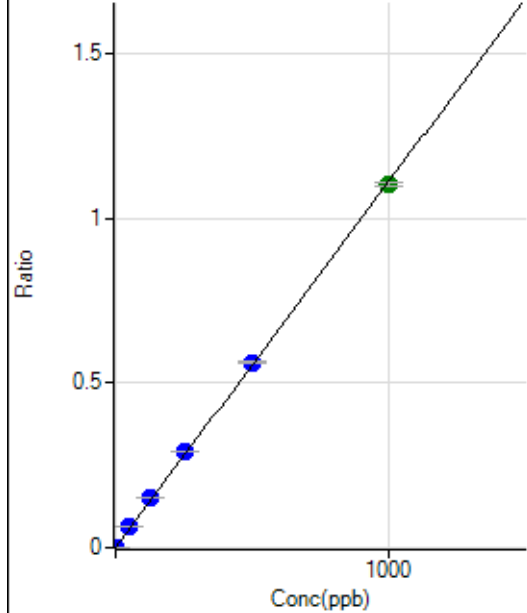


Batch Folder: D:\P8101017 MS .b\
Analysis File: P8101017 MS .batch.bin
DA Date-Time: 2017-10-10 16:37:26
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB P8101017 MS.D	S00	2017-10-10 11:23:30
2			
3	006CALS P8101017 MS.D	S02	2017-10-10 11:30:29
4	007CALS P8101017 MS.D	S03	2017-10-10 11:33:59
5	008CALS P8101017 MS.D	S04	2017-10-10 11:37:28
6	009CALS P8101017 MS.D	S05	2017-10-10 11:40:54
7	010CALS P8101017 MS.D	S06	2017-10-10 11:44:11
8	011CALS P8101017 MS.D	S07	2017-10-10 11:47:26
9	012CALS P8101017 MS.D	S08	2017-10-10 11:50:34

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.59	0.0000	P	48.7
2	☐	0.100					
3	☐	1.000	0.876	901.91	0.0010	P	1.9
4	☐	50.000	55.662	54609.36	0.0618	P	0.3
5	☐	125.000	137.573	138347.66	0.1528	P	2.1
6	☐	250.000	263.776	273998.60	0.2929	P	0.8
7	☐	500.000	505.428	551492.71	0.5611	P	1.2
8	☐	1000.000	991.988	1074615.68	1.1012	A	0.9
9	☐			212.97	0.0002	P	19.9

$$y = 0.0011 * x + 4.8621E-005$$

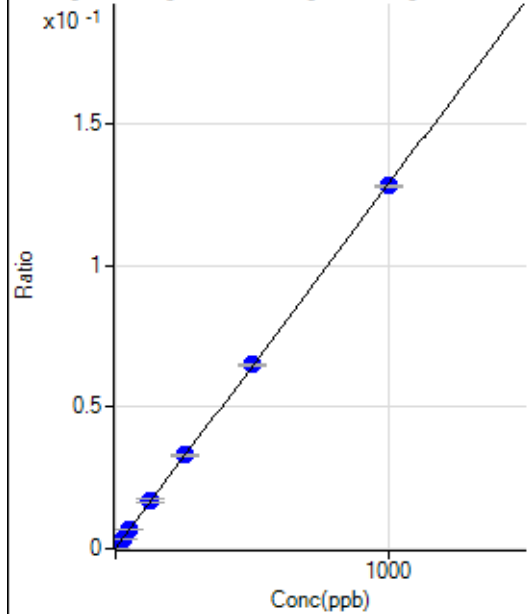
$$R = 0.9998$$

$$DL = 0.06397$$

$$BEC = 0.0438$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.11	0.0001	P	11.8
2	☐	2.500					
3	☐	25.000	23.871	2797.62	0.0032	P	3.4
4	☐	50.000	53.020	6104.34	0.0069	P	2.7
5	☐	125.000	131.503	15389.33	0.0170	P	5.2
6	☐	250.000	257.010	30995.47	0.0331	P	1.7
7	☐	500.000	504.409	63814.88	0.0649	P	1.2
8	☐	1000.000	995.107	124898.00	0.1280	P	0.7
9	☐			4495.33	0.0045	P	5.5

$$y = 1.2853E-004 * x + 9.8552E-005$$

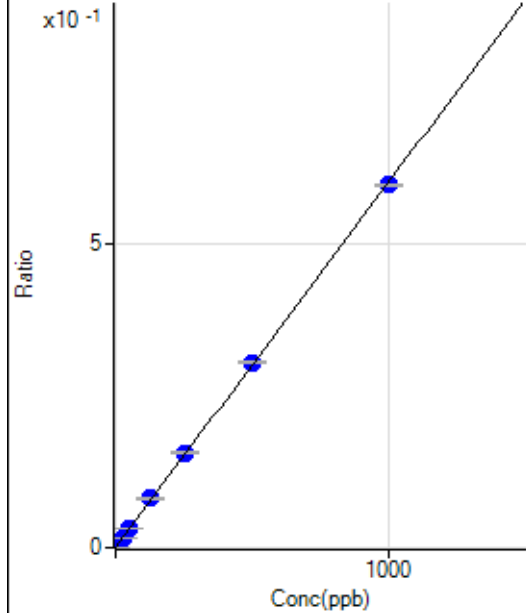
$$R = 0.9999$$

$$DL = 0.2705$$

$$BEC = 0.7668$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	344.46	0.0004	P	11.8
2	☐	2.500					
3	☐	25.000	24.194	13223.23	0.0150	P	6.2
4	☐	50.000	53.423	28760.51	0.0326	P	3.2
5	☐	125.000	133.838	73368.48	0.0810	P	2.1
6	☐	250.000	259.482	146589.26	0.1567	P	1.7
7	☐	500.000	506.668	300359.91	0.3056	P	1.2
8	☐	1000.000	993.039	584051.09	0.5985	P	0.7
9	☐			21177.54	0.0214	P	5.8

$$y = 6.0233\text{E-}004 * x + 3.9385\text{E-}004$$

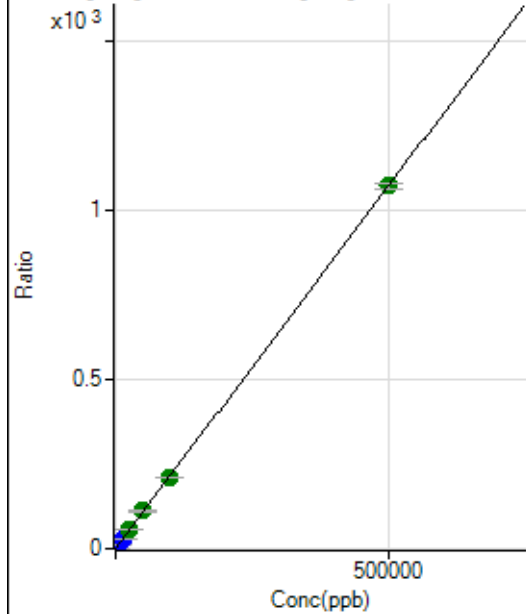
$$R = 0.9999$$

$$DL = 0.2318$$

$$BEC = 0.6539$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11855.41	0.3479	P	4.8
2	☐	50.000					
3	☐	500.000	461.980	45933.71	1.3374	P	2.2
4	☐	5000.000	5171.077	381087.35	11.4241	P	1.7
5	☐	12500.000	12727.701	912267.56	27.6102	P	0.8
6	☐	25000.000	26015.608	1775402.23	56.0725	A	0.7
7	☐	50000.000	51626.736	3216901.48	110.9308	A	1.1
8	☐	100000.00	98651.121	6079742.45	211.6556	A	0.4
9	☐	500000.00	500048.95	32748588.23	1,071.437	A	1.4

$$y = 0.0021 * x + 0.3479$$

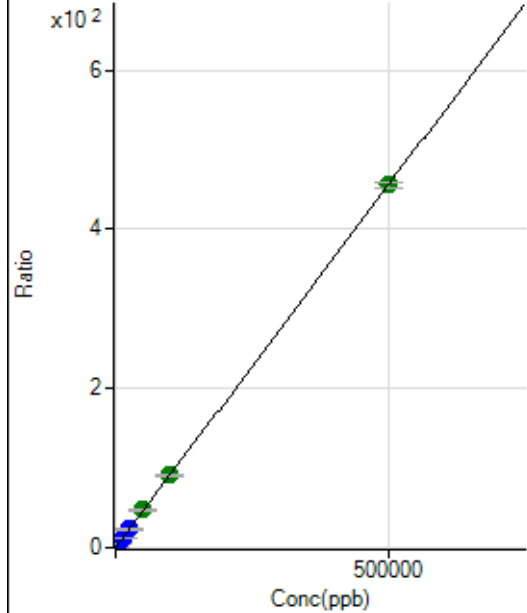
$$R = 1.0000$$

$$DL = 23.17$$

$$BEC = 162.4$$

Weight: <None>

Min Conc: 0

24 Mg [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	86.12	0.0025	P	41.2
2	☐	50.000					
3	☐	500.000	456.613	14374.48	0.4187	P	5.3
4	☐	5000.000	5123.679	155861.78	4.6721	P	0.9
5	☐	12500.000	12627.696	380332.57	11.5109	P	1.0
6	☐	25000.000	25291.133	729898.89	23.0519	P	1.3
7	☐	50000.000	51738.190	1367540.60	47.1547	A	0.5
8	☐	100000.00	99600.390	2607349.34	90.7745	A	1.3
9	☐	500000.00	499887.16	13924612.12	455.5806	A	1.6

$$y = 9.1136\text{E-}004 * x + 0.0025$$

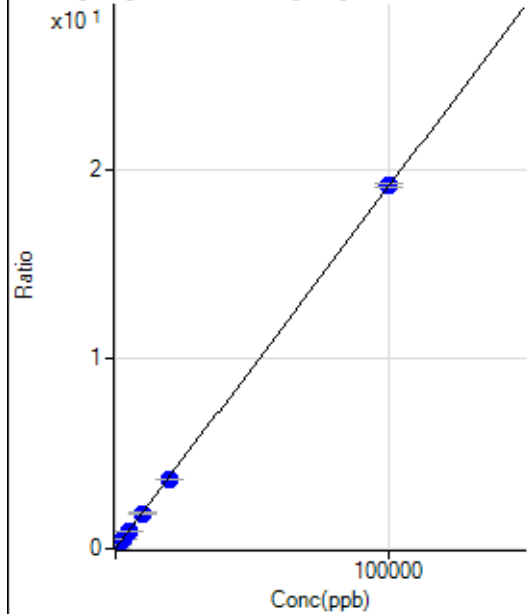
$$R = 1.0000$$

$$DL = 3.437$$

$$BEC = 2.779$$

Weight: <None>

Min Conc: 0

27 Al [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	27.78	0.0008	P	45.9
2	☐	2.000					
3	☐	20.000	18.680	150.01	0.0044	P	37.7
4	☐	1000.000	1020.675	6524.03	0.1956	P	5.3
5	☐	2500.000	2499.872	15792.62	0.4780	P	1.3
6	☐	5000.000	4910.932	29707.09	0.9382	P	1.6
7	☐	10000.000	9801.647	54276.96	1.8717	P	1.3
8	☐	20000.000	19119.356	104851.88	3.6502	P	0.4
9	☐	100000.00	100200.21	584612.46	19.1266	P	1.2

$$y = 1.9088\text{E-}004 * x + 8.1563\text{E-}004$$

$$R = 1.0000$$

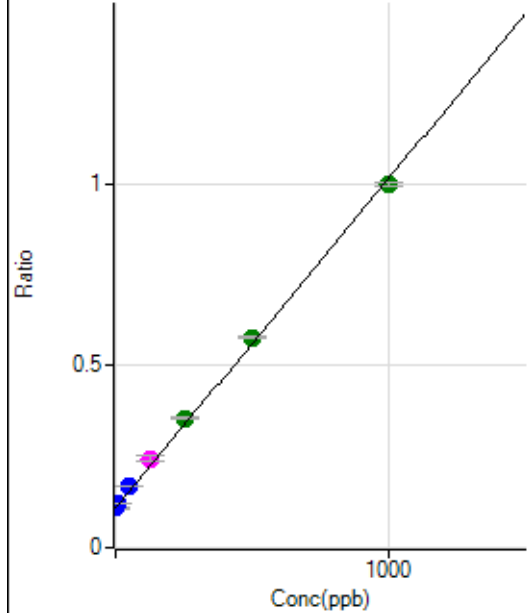
$$DL = 5.883$$

$$BEC = 4.273$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	412798.05	0.1088	P	1.0
2	☐	1.000					
3	☐	10.000	14.340	473242.20	0.1218	P	1.1
4	☐	50.000	66.694	643876.94	0.1692	P	0.7
5	☐	125.000	150.465	926281.63	0.2450	M	6.3
6	☐	250.000	273.149	1363310.18	0.3560	A	0.8
7	☐	500.000	518.571	2254909.34	0.5782	A	0.5
8	☐	1000.000	980.866	3783516.41	0.9966	A	1.1
9	☐			541498.18	0.1403	P	2.2

$$y = 9.0507\text{E-}004 * x + 0.1088$$

$$R = 0.9993$$

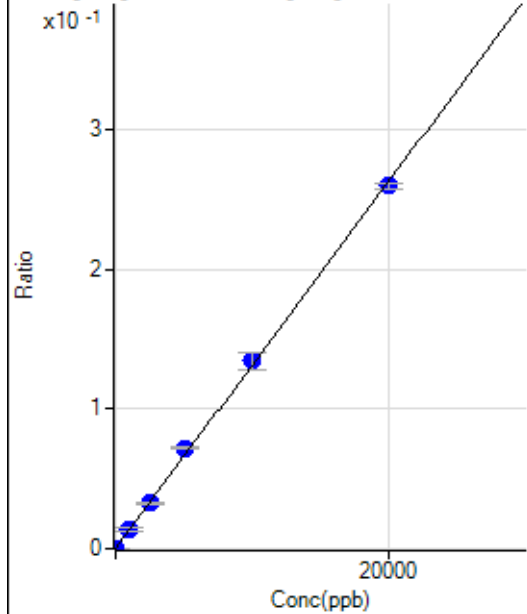
$$DL = 3.572$$

$$BEC = 120.2$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	9.319	8.33	0.0002	P	0.9
2	☐	0.000					
3	☐	0.000	-9.319	0.00	0.0000	P	
4	☐	1000.000	1005.813	444.47	0.0133	P	20.5
5	☐	2500.000	2491.501	1083.42	0.0328	P	4.5
6	☐	5000.000	5471.421	2275.28	0.0719	P	1.8
7	☐	10000.000	10220.482	3892.38	0.1341	P	8.8
8	☐	20000.000	19772.676	7449.54	0.2594	P	1.7
9	☐			16.67	0.0005	P	50.5

$$y = 1.3111\text{E-}005 * x + 1.2219\text{E-}004$$

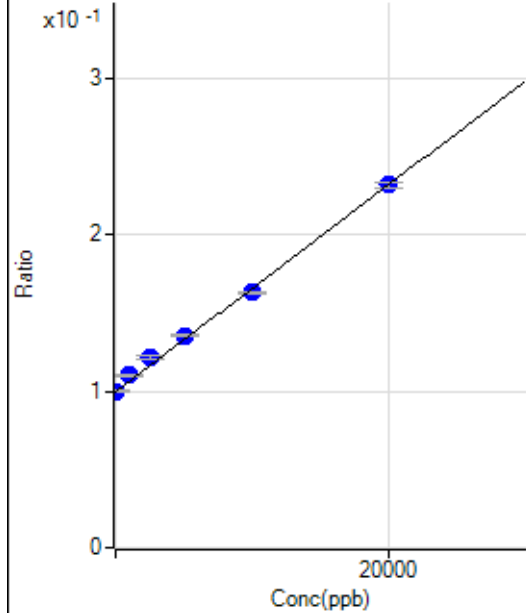
$$R = 0.9996$$

$$DL = 0.2635$$

$$BEC = 9.319$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-7.184	378234.15	0.0997	P	1.2
2	☐	0.000					
3	☐	0.000	7.184	387775.91	0.0998	P	1.3
4	☐	1000.000	1585.357	419655.37	0.1103	P	0.8
5	☐	2500.000	3312.528	460100.80	0.1217	P	2.0
6	☐	5000.000	5437.798	520001.85	0.1358	P	0.9
7	☐	10000.000	9592.346	637080.20	0.1633	P	0.6
8	☐	20000.000	19963.544	881174.87	0.2321	P	1.4
9	☐			356453.44	0.0923	P	1.4

$$y = 6.6299\text{E-}006 * x + 0.0998$$

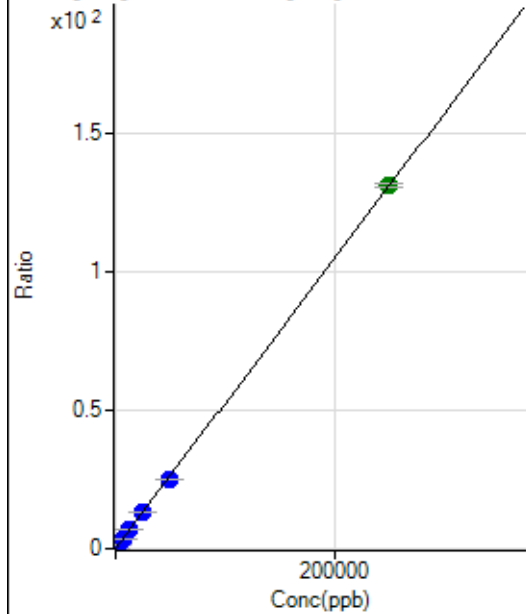
$$R = 0.9985$$

$$DL = 559.7$$

$$BEC = 1.505\text{E}+04$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3136.60	0.0920	P	2.7
2	☐	50.000					
3	☐	500.000	447.870	11182.70	0.3256	P	2.5
4	☐	2500.000	2558.740	47587.10	1.4266	P	2.9
5	☐	6250.000	6331.431	112155.97	3.3944	P	1.4
6	☐	12500.000	12570.315	210512.46	6.6485	P	0.4
7	☐	25000.000	24619.948	375082.75	12.9334	P	0.6
8	☐	50000.000	47502.432	714351.03	24.8686	P	0.3
9	☐	250000.00	250531.48	3996974.01	130.7655	A	1.1

$$y = 5.2159\text{E-}004 * x + 0.0920$$

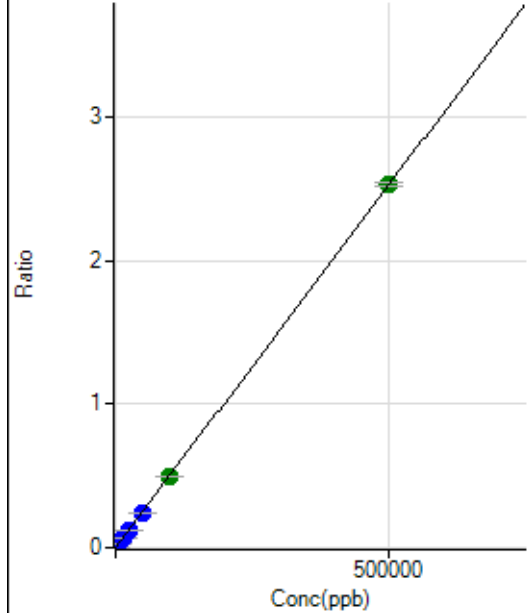
$$R = 0.9999$$

$$DL = 14.03$$

$$BEC = 176.4$$

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	1939.12	0.0005	P	11.0
2	☐	50.000					
3	☐	500.000	415.498	10129.12	0.0026	P	4.9
4	☐	5000.000	4817.881	94456.58	0.0248	P	1.2
5	☐	12500.000	12218.164	234929.52	0.0622	P	3.0
6	☐	25000.000	24168.694	468873.63	0.1224	P	0.3
7	☐	50000.000	47769.785	941947.45	0.2415	P	0.7
8	☐	100000.00	97701.266	1873367.16	0.4934	A	1.1
9	☐	500000.00	500733.28	9755613.85	2.5268	A	0.9

$$y = 5.0452\text{E-}006 * x + 5.1141\text{E-}004$$

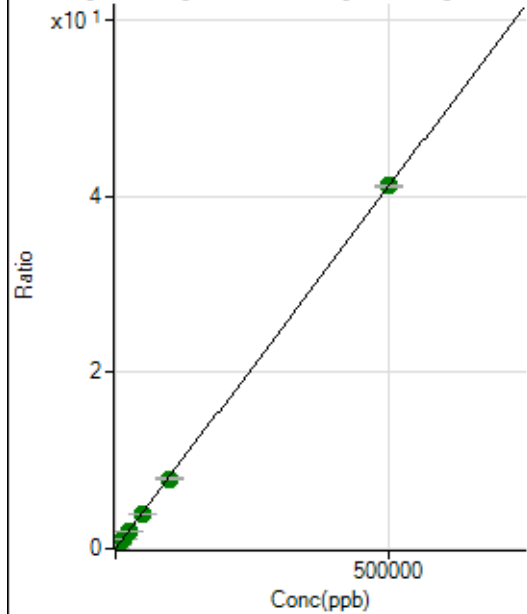
$$R = 1.0000$$

$$DL = 33.44$$

$$BEC = 101.4$$

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	20660.42	0.0054	P	2.2
2	☐	50.000					
3	☐	500.000	440.350	161935.92	0.0417	P	1.3
4	☐	5000.000	4926.033	1563381.29	0.4107	A	0.7
5	☐	12500.000	12437.082	3888585.63	1.0287	A	2.4
6	☐	25000.000	24264.776	7664887.50	2.0018	A	1.5
7	☐	50000.000	48006.101	15425805.38	3.9552	A	0.5
8	☐	100000.00	96549.649	30179663.87	7.9491	A	1.3
9	☐	500000.00	500928.59	159139824.3	41.2196	A	0.9

$$y = 8.2275\text{E-}005 * x + 0.0054$$

$$R = 1.0000$$

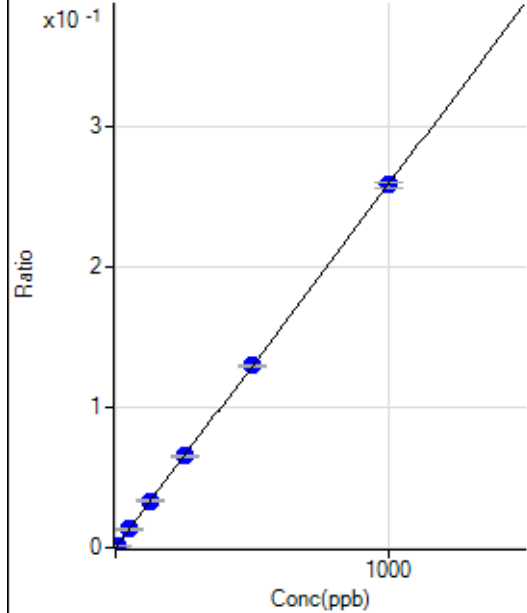
$$DL = 4.301$$

$$BEC = 66.2$$

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	166.67	0.0000	P	18.8
2	☐	0.500					
3	☐	5.000	4.369	4562.05	0.0012	P	6.7
4	☐	50.000	50.158	49541.49	0.0130	P	1.3
5	☐	125.000	129.397	126688.45	0.0335	P	1.4
6	☐	250.000	252.235	249970.35	0.0653	P	1.1
7	☐	500.000	500.522	505070.49	0.1295	P	0.6
8	☐	1000.000	998.626	980696.70	0.2583	P	1.7
9	☐			688.94	0.0002	P	8.8

$$y = 2.5864\text{E-}004 * x + 4.3974\text{E-}005$$

$$R = 1.0000$$

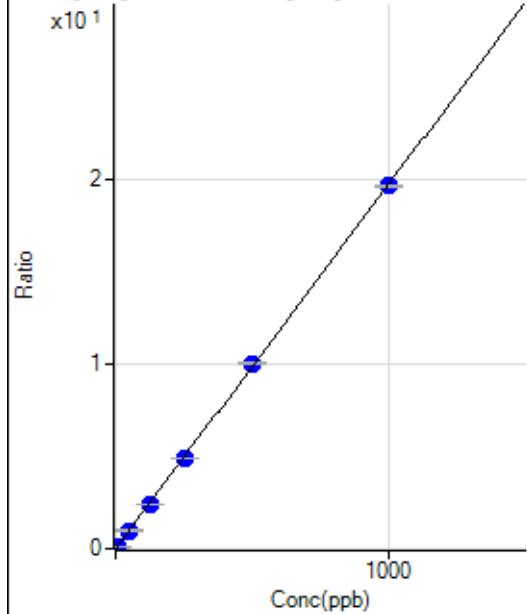
$$DL = 0.09573$$

$$BEC = 0.17$$

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	14.44	0.0004	P	57.3
2	☐	0.500					
3	☐	5.000	4.239	2883.69	0.0840	P	7.4
4	☐	50.000	49.614	32635.93	0.9784	P	2.5
5	☐	125.000	123.595	80511.93	2.4367	P	0.5
6	☐	250.000	248.754	155266.98	4.9038	P	0.2
7	☐	500.000	508.338	290600.94	10.0208	P	0.9
8	☐	1000.000	996.341	564152.38	19.6403	P	0.7
9	☐			144.45	0.0047	P	18.8

$$y = 0.0197 * x + 4.2219\text{E-}004$$

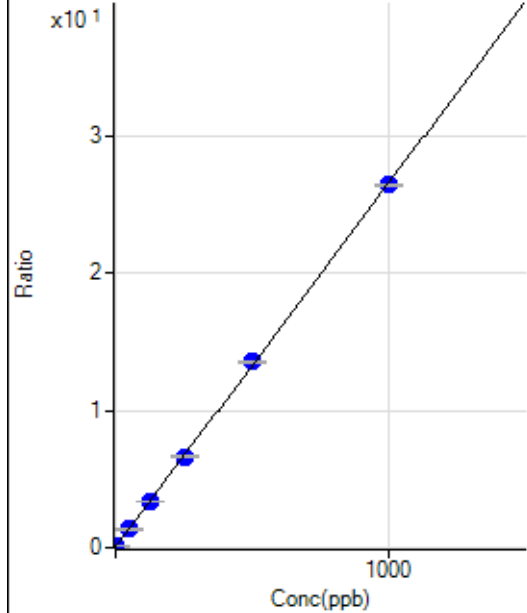
$$R = 0.9999$$

$$DL = 0.0368$$

$$BEC = 0.02142$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	857.82	0.0252	P	4.6
2	☐	0.200					
3	☐	2.000	1.861	2559.17	0.0745	P	4.8
4	☐	50.000	49.371	44508.53	1.3341	P	0.6
5	☐	125.000	123.672	109169.10	3.3040	P	0.3
6	☐	250.000	249.246	210035.35	6.6333	P	0.7
7	☐	500.000	509.013	392094.00	13.5205	P	0.8
8	☐	1000.000	995.880	759145.73	26.4286	P	0.5
9	☐			12193.23	0.3989	P	2.3

$$y = 0.0265 * x + 0.0252$$

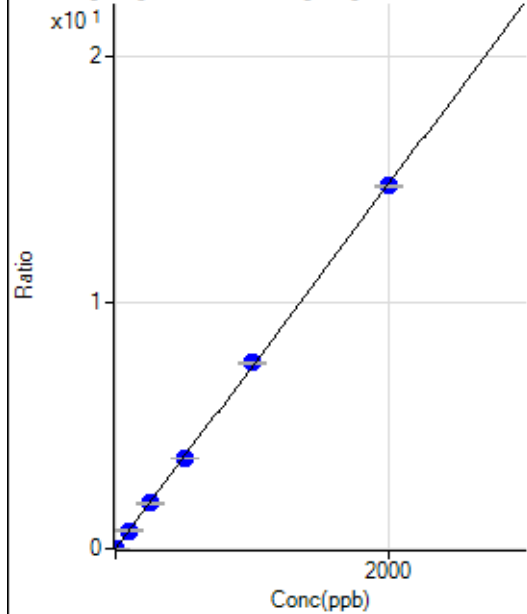
$$R = 0.9999$$

$$DL = 0.1315$$

$$BEC = 0.9494$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.00	0.0009	P	30.3
2	☐	0.100					
3	☐	1.000	1.009	286.68	0.0083	P	4.9
4	☐	100.000	99.971	24702.05	0.7405	P	1.3
5	☐	250.000	249.581	61036.05	1.8473	P	1.5
6	☐	500.000	495.907	116194.98	3.6697	P	0.8
7	☐	1000.000	1020.584	218995.66	7.5513	P	0.7
8	☐	2000.000	1990.785	423076.36	14.7289	P	0.6
9	☐			1689.02	0.0553	P	2.6

$$y = 0.0074 * x + 8.8137E-004$$

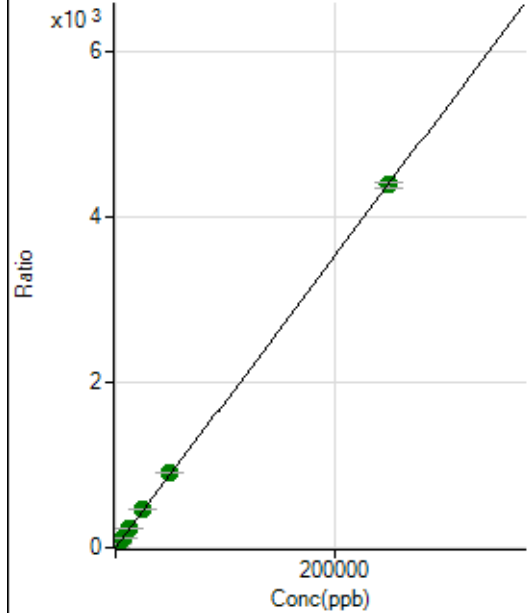
$$R = 0.9999$$

$$DL = 0.1082$$

$$BEC = 0.1191$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1907.60	0.0560	P	0.8
2	☐	5.000					
3	☐	50.000	45.386	29374.12	0.8553	P	1.8
4	☐	2500.000	2585.058	1520596.84	45.5823	A	1.4
5	☐	6250.000	6387.137	3718490.01	112.5421	A	0.4
6	☐	12500.000	12731.520	7101007.80	224.2753	A	0.4
7	☐	25000.000	26273.513	13420236.07	462.7682	A	1.1
8	☐	50000.000	51436.186	26022472.34	905.9171	A	0.4
9	☐	250000.00	249569.55	134343875.2	4,395.315	A	1.3

$$y = 0.0176 * x + 0.0560$$

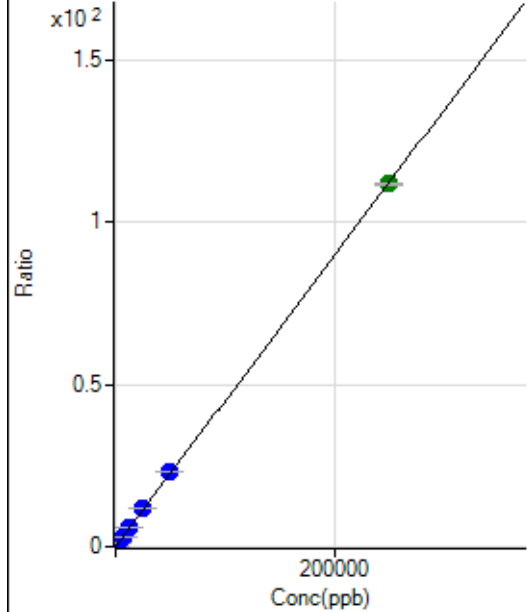
$$R = 1.0000$$

$$DL = 0.07312$$

$$BEC = 3.177$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	62.97	0.0018	P	20.3
2	☐	5.000					
3	☐	50.000	42.830	722.26	0.0210	P	4.0
4	☐	2500.000	2532.137	37900.16	1.1362	P	1.9
5	☐	6250.000	6283.165	93060.75	2.8166	P	1.5
6	☐	12500.000	12696.826	180152.00	5.6897	P	0.6
7	☐	25000.000	26230.550	340808.78	11.7525	P	1.2
8	☐	50000.000	51186.774	658720.00	22.9323	P	0.4
9	☐	250000.00	249628.60	3418211.48	111.8294	A	0.8

$$y = 4.4798E-004 * x + 0.0018$$

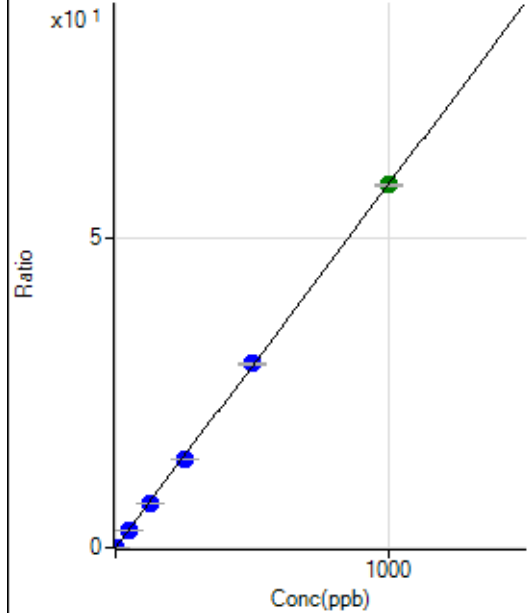
$$R = 1.0000$$

$$DL = 2.516$$

$$BEC = 4.123$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	60.00	0.0018	P	18.4
2	☐	0.100					
3	☐	1.000	0.864	1800.15	0.0524	P	3.3
4	☐	50.000	48.617	95082.68	2.8502	P	1.2
5	☐	125.000	120.744	233801.07	7.0761	P	1.1
6	☐	250.000	245.310	455116.52	14.3744	P	0.6
7	☐	500.000	505.704	859314.93	29.6308	P	0.6
8	☐	1000.000	998.922	1681211.43	58.5283	A	0.2
9	☐			2115.76	0.0692	P	3.5

$$y = 0.0586 * x + 0.0018$$

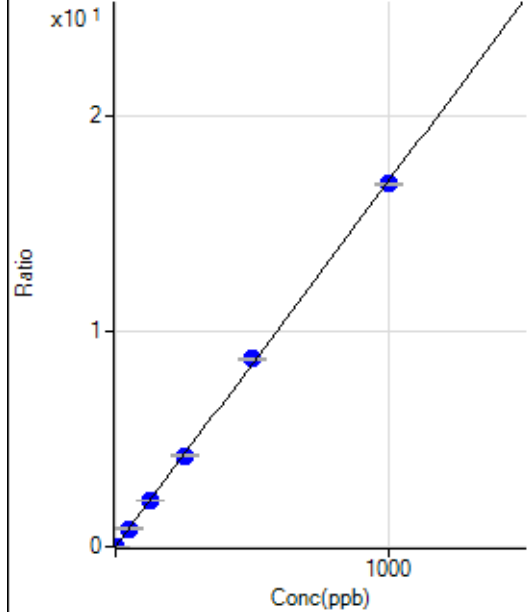
$$R = 1.0000$$

$$DL = 0.01656$$

$$BEC = 0.03001$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.00	0.0023	P	24.5
2	☐	0.100					
3	☐	1.000	1.006	665.58	0.0194	P	2.1
4	☐	50.000	49.654	28124.12	0.8431	P	2.0
5	☐	125.000	124.329	69636.42	2.1076	P	0.8
6	☐	250.000	249.377	133773.98	4.2250	P	0.6
7	☐	500.000	514.751	252827.32	8.7184	P	1.1
8	☐	1000.000	992.882	482989.51	16.8144	P	0.3
9	☐			4986.54	0.1632	P	5.0

$$y = 0.0169 * x + 0.0023$$

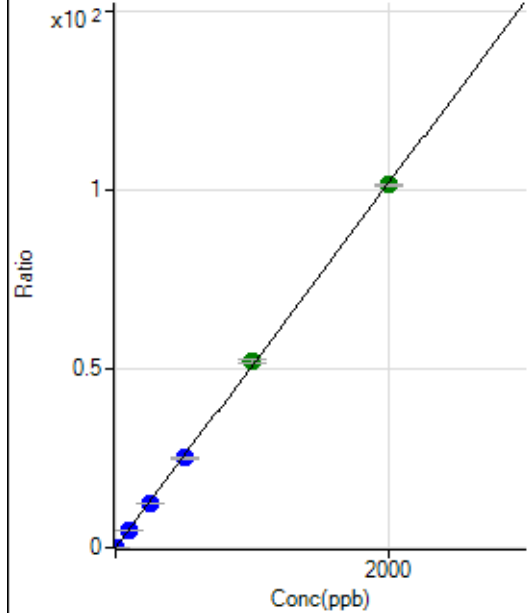
$$R = 0.9998$$

$$DL = 0.1017$$

$$BEC = 0.1385$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	124.45	0.0037	P	17.8
2	☐	0.200					
3	☐	2.000	1.728	3150.42	0.0917	P	4.7
4	☐	100.000	97.427	165776.18	4.9693	P	1.1
5	☐	250.000	243.633	410409.13	12.4210	P	0.9
6	☐	500.000	491.477	793239.64	25.0529	P	0.4
7	☐	1000.000	1022.460	1511276.71	52.1157	A	1.4
8	☐	2000.000	1991.826	2916171.31	101.5217	A	0.3
9	☐			3423.82	0.1120	P	5.1

$$y = 0.0510 * x + 0.0037$$

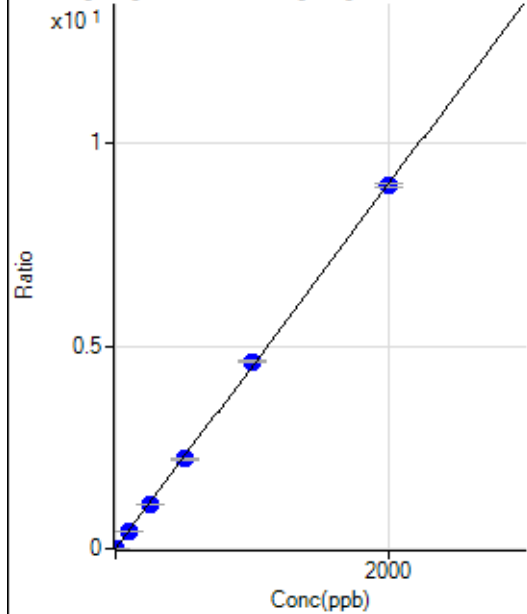
$$R = 0.9999$$

$$DL = 0.03835$$

$$BEC = 0.07169$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.11	0.0030	P	21.8
2	☐	0.200					
3	☐	2.000	1.860	388.90	0.0113	P	6.4
4	☐	100.000	97.675	14737.97	0.4419	P	2.9
5	☐	250.000	243.380	36231.91	1.0966	P	0.6
6	☐	500.000	490.783	69916.26	2.2082	P	0.8
7	☐	1000.000	1026.970	133909.44	4.6175	P	0.6
8	☐	2000.000	1989.763	256892.87	8.9436	P	1.2
9	☐			631.14	0.0206	P	5.3

$$y = 0.0045 * x + 0.0030$$

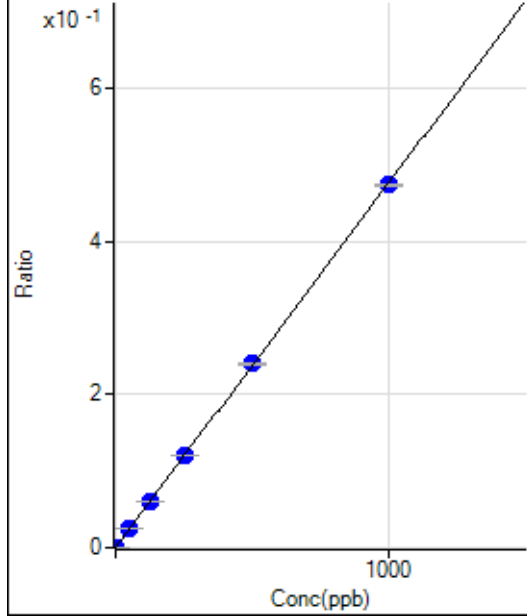
$$R = 0.9998$$

$$DL = 0.4317$$

$$BEC = 0.6608$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3.09	0.0000	P	69.4
2	☐	0.100					
3	☐	1.000	1.009	113.58	0.0005	P	17.6
4	☐	50.000	51.022	5414.69	0.0243	P	2.6
5	☐	125.000	126.292	13276.21	0.0601	P	2.1
6	☐	250.000	254.326	25863.08	0.1211	P	0.4
7	☐	500.000	506.364	49402.06	0.2410	P	1.1
8	☐	1000.000	995.524	95257.27	0.4738	P	0.6
9	☐			34.57	0.0002	P	25.6

$$y = 4.7591\text{E-}004 * x + 1.3417\text{E-}005$$

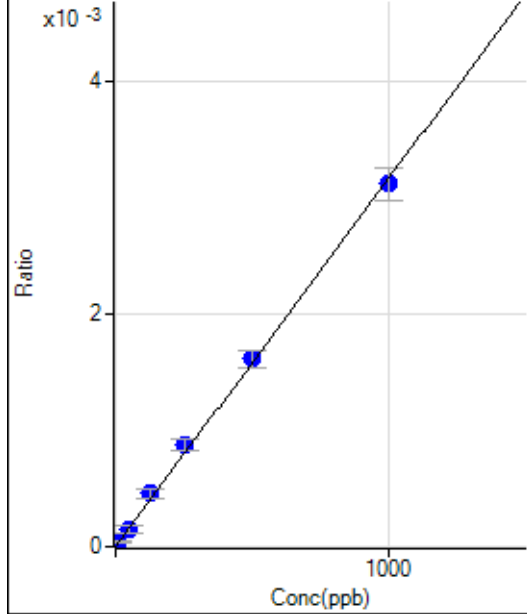
$$R = 1.0000$$

$$DL = 0.0587$$

$$BEC = 0.02819$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	10.694	7.78	0.0000	P	49.6
4	☐	50.000	48.898	34.44	0.0002	P	40.5
5	☐	125.000	144.615	101.11	0.0005	P	17.3
6	☐	250.000	274.601	185.56	0.0009	P	11.3
7	☐	500.000	510.820	331.12	0.0016	P	9.4
8	☐	1000.000	986.014	626.69	0.0031	P	9.2
9	☐			0.00	0.0000	P	

$$y = 3.1622\text{E-}006 * x + 0.0000\text{E+}000$$

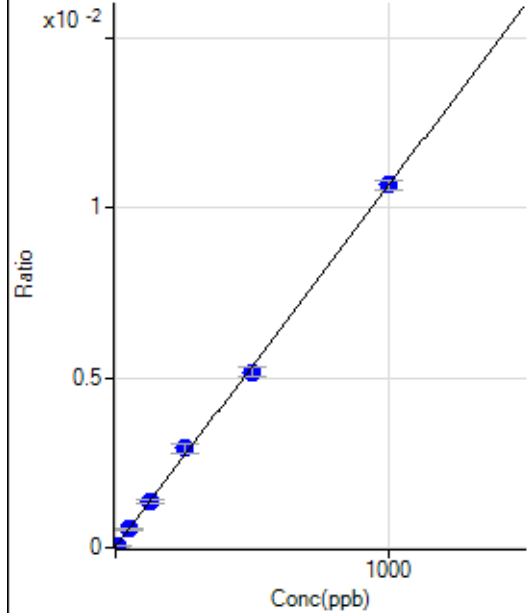
$$R = 0.9995$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

78 Se [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	65.6
2	☐	0.500					
3	☐	5.000	5.298	17.28	0.0001	P	22.5
4	☐	50.000	49.286	120.99	0.0005	P	18.0
5	☐	125.000	126.250	300.62	0.0014	P	7.8
6	☐	250.000	274.160	626.56	0.0029	P	9.9
7	☐	500.000	484.481	1059.93	0.0052	P	5.4
8	☐	1000.000	1001.598	2145.25	0.0107	P	2.3
9	☐			4.94	0.0000	P	58.0

$$y = 1.0635\text{E-}005 * x + 1.8786\text{E-}005$$

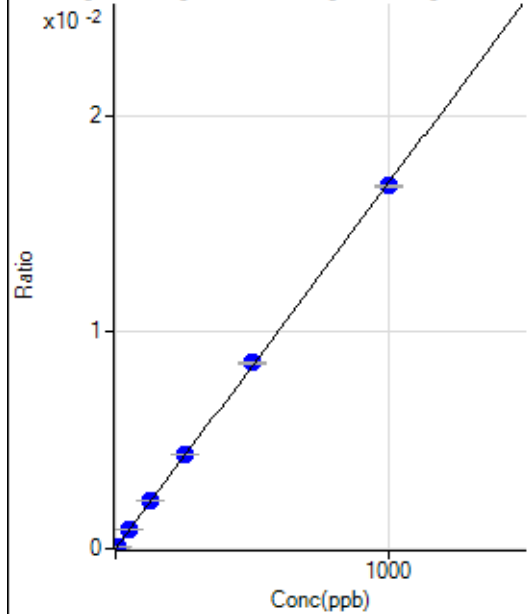
$$R = 0.9995$$

$$DL = 3.478$$

$$BEC = 1.766$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-37.33	0.0000	P	-131.
2	☐	0.500					
3	☐	5.000	4.950	544.39	0.0001	P	16.4
4	☐	50.000	52.433	5996.19	0.0009	P	1.6
5	☐	125.000	130.522	15063.57	0.0022	P	2.0
6	☐	250.000	256.210	30176.78	0.0043	P	0.4
7	☐	500.000	510.121	61665.66	0.0086	P	1.0
8	☐	1000.000	992.575	121345.91	0.0168	P	0.9
9	☐			85.59	0.0000	P	13.4

$$y = 1.6903\text{E-}005 * x - 5.3726\text{E-}006$$

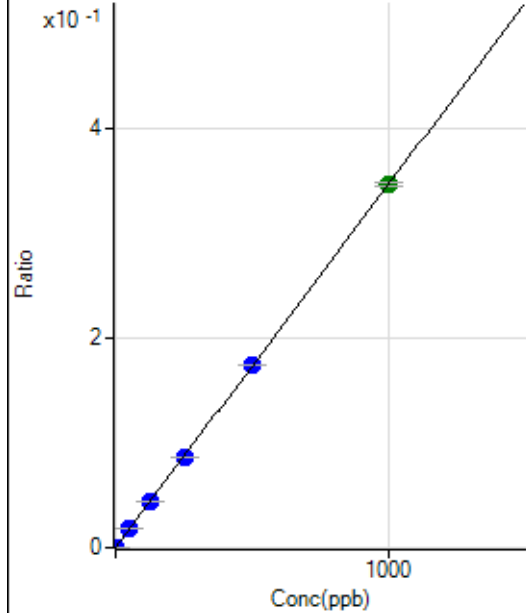
$$R = 0.9999$$

$$DL = 1.251$$

$$BEC = -0.3178$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	636.15	0.0001	P	14.2
2	☐	0.100					
3	☐	1.000	0.955	2942.13	0.0004	P	6.6
4	☐	50.000	50.573	120075.20	0.0176	P	0.5
5	☐	125.000	127.866	304305.73	0.0445	P	1.0
6	☐	250.000	250.601	607334.69	0.0871	P	0.4
7	☐	500.000	501.812	1246768.75	0.1742	P	0.6
8	☐	1000.000	998.557	2507715.81	0.3466	A	1.0
9	☐			85562.06	0.0120	P	1.9

$$y = 3.4701\text{E-}004 * x + 9.1800\text{E-}005$$

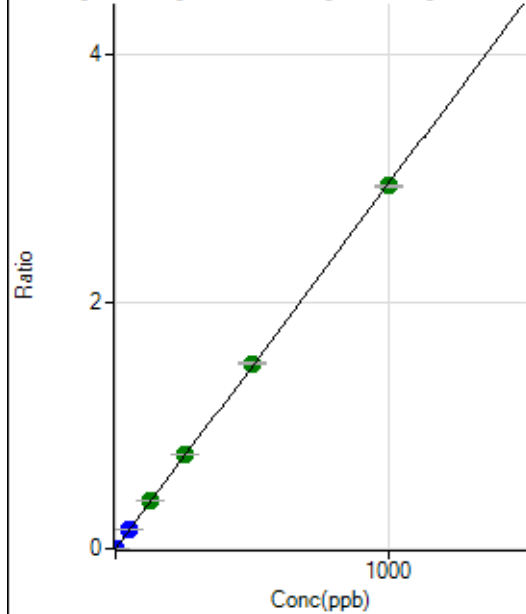
$$R = 1.0000$$

$$DL = 0.1127$$

$$BEC = 0.2645$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	613.94	0.0001	P	13.9
2	☐	0.100					
3	☐	1.000	0.924	19617.62	0.0028	P	2.7
4	☐	50.000	51.268	1032623.34	0.1517	P	0.7
5	☐	125.000	131.219	2656501.99	0.3882	A	2.1
6	☐	250.000	256.546	5294172.82	0.7588	A	0.5
7	☐	500.000	506.629	10722917.77	1.4985	A	0.9
8	☐	1000.000	994.208	21273929.29	2.9405	A	0.9
9	☐			736397.73	0.1035	P	0.7

$$y = 0.0030 * x + 8.8580\text{E-}005$$

$$R = 0.9999$$

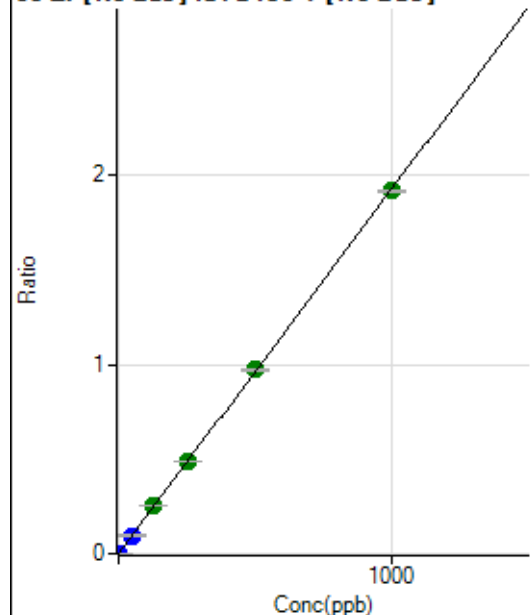
$$DL = 0.01246$$

$$BEC = 0.02995$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	466.69	0.0001	P	25.8
2	☐	0.100					
3	☐	1.000	0.898	12478.48	0.0018	P	0.7
4	☐	50.000	50.040	655629.30	0.0963	P	0.4
5	☐	125.000	130.735	1721615.08	0.2516	A	1.4
6	☐	250.000	253.201	3398537.49	0.4871	A	0.3
7	☐	500.000	505.414	6957773.24	0.9723	A	0.6
8	☐	1000.000	995.774	13858867.32	1.9156	A	0.8
9	☐			2091.94	0.0003	P	3.9

$$y = 0.0019 * x + 6.7266E-005$$

$$R = 1.0000$$

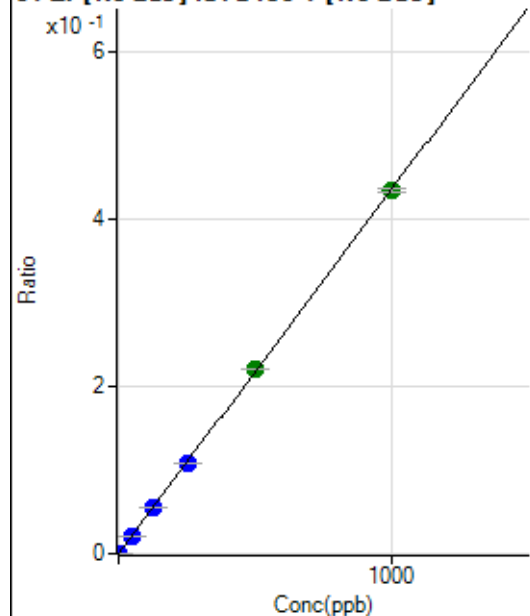
$$DL = 0.02708$$

$$BEC = 0.03497$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	91.67	0.0000	P	24.5
2	☐	0.100					
3	☐	1.000	0.865	2705.96	0.0004	P	1.6
4	☐	50.000	49.702	147160.02	0.0216	P	0.5
5	☐	125.000	126.488	376398.62	0.0550	P	2.3
6	☐	250.000	248.963	755185.82	0.1082	P	0.4
7	☐	500.000	507.627	1579325.23	0.2207	A	0.3
8	☐	1000.000	996.275	3133611.29	0.4331	A	1.2
9	☐			522.29	0.0001	P	23.9

$$y = 4.3473E-004 * x + 1.3231E-005$$

$$R = 1.0000$$

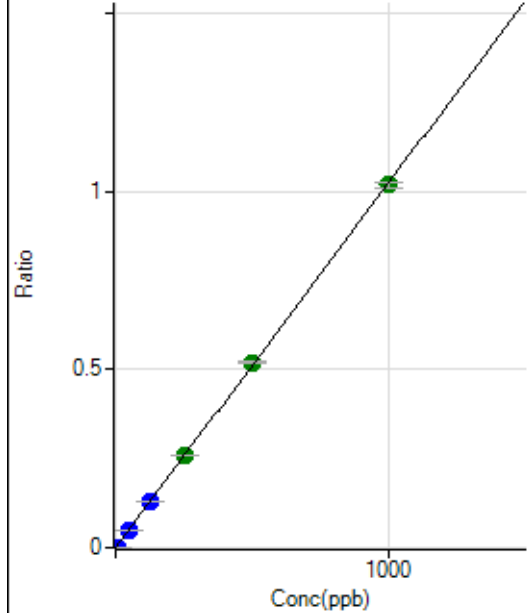
$$DL = 0.02234$$

$$BEC = 0.03044$$

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	172.23	0.0000	P	38.8
2	☐	0.500					
3	☐	5.000	1.950	14043.90	0.0020	P	2.3
4	☐	50.000	49.849	347341.16	0.0510	P	0.8
5	☐	125.000	126.986	889410.09	0.1300	P	1.6
6	☐	250.000	253.694	1811191.08	0.2596	A	0.3
7	☐	500.000	507.851	3718646.22	0.5197	A	1.0
8	☐	1000.000	994.925	7365191.48	1.0180	A	1.4
9	☐			6107.20	0.0009	P	4.9

$$y = 0.0010 * x + 2.4836E-005$$

$$R = 0.9999$$

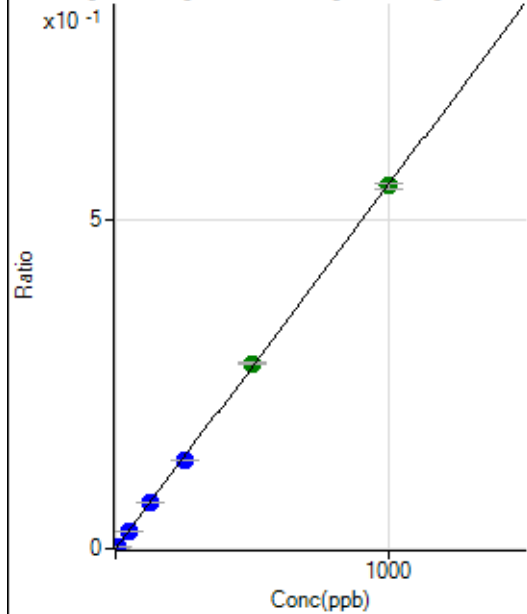
$$DL = 0.02826$$

$$BEC = 0.02427$$

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	38.89	0.0000	P	53.9
2	☐	0.500					
3	☐	5.000	4.511	17412.02	0.0025	P	2.3
4	☐	50.000	49.401	186346.16	0.0274	P	0.4
5	☐	125.000	125.059	474296.54	0.0693	P	0.6
6	☐	250.000	245.156	947723.33	0.1358	P	0.2
7	☐	500.000	508.675	2016925.42	0.2819	A	1.3
8	☐	1000.000	996.898	3996251.70	0.5524	A	1.4
9	☐			8769.90	0.0012	P	0.4

$$y = 5.5408E-004 * x + 5.6061E-006$$

$$R = 0.9999$$

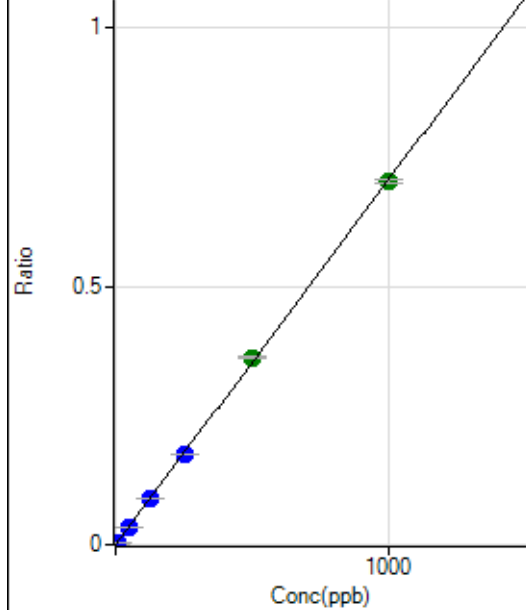
$$DL = 0.01636$$

$$BEC = 0.01012$$

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	94.45	0.0000	P	13.7
2	☐	0.500					
3	☐	5.000	3.837	18925.13	0.0027	P	2.0
4	☐	50.000	49.799	239374.93	0.0352	P	0.3
5	☐	125.000	125.447	606183.11	0.0886	P	1.3
6	☐	250.000	248.294	1222968.46	0.1753	P	0.3
7	☐	500.000	511.834	2585791.38	0.3613	A	1.0
8	☐	1000.000	994.470	5079342.52	0.7021	A	0.9
9	☐			12041.93	0.0017	P	2.8

$$y = 7.0594\text{E-}004 * x + 1.3627\text{E-}005$$

$$R = 0.9999$$

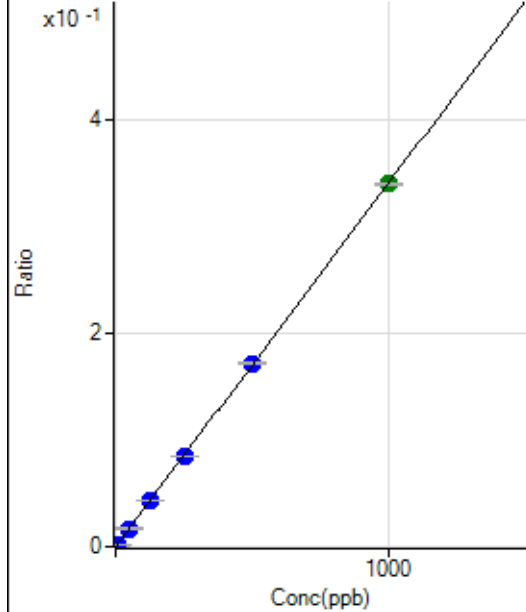
$$DL = 0.00796$$

$$BEC = 0.0193$$

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	66.67	0.0000	P	33.1
2	☐	0.500					
3	☐	5.000	4.455	10610.16	0.0015	P	1.2
4	☐	50.000	50.204	116399.13	0.0171	P	0.9
5	☐	125.000	126.553	294930.53	0.0431	P	1.1
6	☐	250.000	248.500	590278.14	0.0846	P	0.4
7	☐	500.000	504.405	1228890.40	0.1717	P	0.6
8	☐	1000.000	997.971	2458093.09	0.3398	A	0.6
9	☐			5568.08	0.0008	P	5.4

$$y = 3.4043\text{E-}004 * x + 9.6166\text{E-}006$$

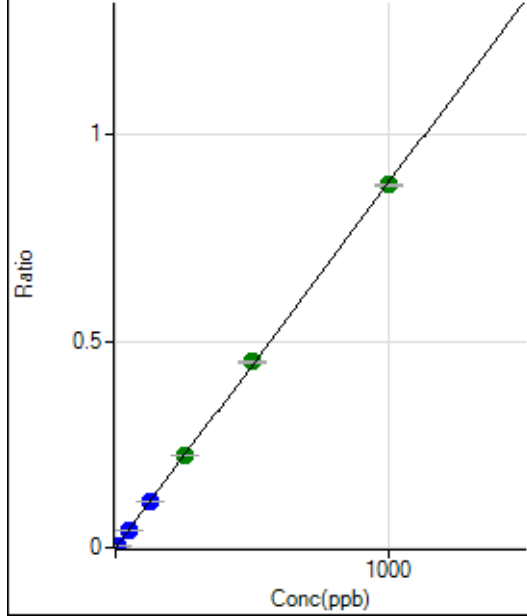
$$R = 1.0000$$

$$DL = 0.02807$$

$$BEC = 0.02825$$

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	50.00	0.0000	P	44.2
2	☐	0.500					
3	☐	5.000	4.469	27492.68	0.0040	P	2.5
4	☐	50.000	49.834	299694.16	0.0440	P	0.4
5	☐	125.000	125.314	757665.81	0.1107	P	1.9
6	☐	250.000	253.639	1563265.08	0.2241	A	0.4
7	☐	500.000	509.694	3222090.13	0.4503	A	1.3
8	☐	1000.000	994.215	6354423.67	0.8783	A	0.5
9	☐			14397.04	0.0020	P	0.8

$$y = 8.8340\text{E-}004 * x + 7.2126\text{E-}006$$

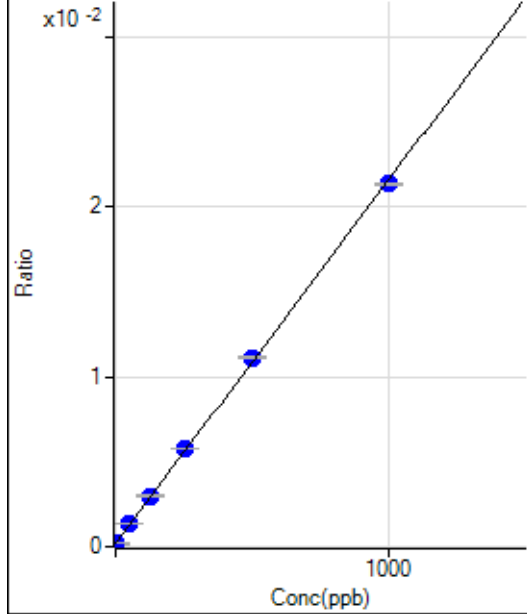
$$R = 0.9999$$

$$DL = 0.01082$$

$$BEC = 0.008165$$

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	1450.14	0.0002	P	9.7
2	☐	0.100					
3	☐	1.000	1.069	1677.97	0.0002	P	3.1
4	☐	50.000	56.100	11480.49	0.0014	P	3.7
5	☐	125.000	131.369	25449.86	0.0030	P	1.3
6	☐	250.000	263.669	50846.77	0.0058	P	0.2
7	☐	500.000	511.919	104077.99	0.0111	P	1.2
8	☐	1000.000	989.522	205093.85	0.0213	P	0.3
9	☐			1441.81	0.0002	P	3.6

$$y = 2.1394\text{E-}005 * x + 1.7392\text{E-}004$$

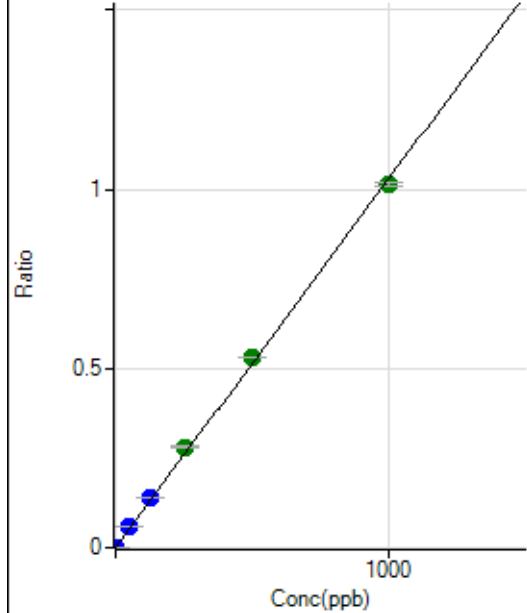
$$R = 0.9998$$

$$DL = 2.354$$

$$BEC = 8.129$$

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	47.22	0.0000	P	43.6
2	☐	0.100					
3	☐	1.000	0.999	8806.02	0.0010	P	2.9
4	☐	50.000	55.560	477198.10	0.0571	P	1.0
5	☐	125.000	136.851	1199481.49	0.1407	P	1.3
6	☐	250.000	273.490	2458287.60	0.2811	A	1.3
7	☐	500.000	516.128	4963288.61	0.5306	A	0.7
8	☐	1000.000	984.304	9722190.76	1.0118	A	1.2
9	☐			1022.31	0.0001	P	20.3

$$y = 0.0010 * x + 5.6498E-006$$

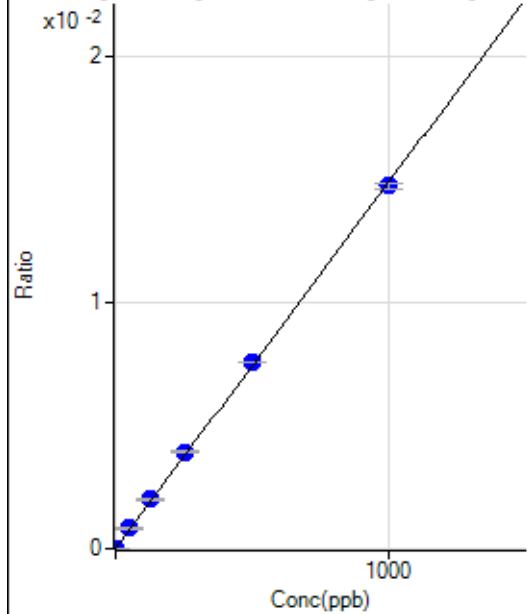
$$R = 0.9995$$

$$DL = 0.007184$$

$$BEC = 0.005496$$

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	6.94	0.0000	P	91.9
2	☐	0.100					
3	☐	1.000	1.038	138.89	0.0000	P	11.3
4	☐	50.000	55.227	6874.12	0.0008	P	1.9
5	☐	125.000	134.519	17077.78	0.0020	P	1.0
6	☐	250.000	263.566	34309.11	0.0039	P	1.6
7	☐	500.000	508.785	70844.89	0.0076	P	0.6
8	☐	1000.000	990.765	141695.01	0.0147	P	1.4
9	☐			22.22	0.0000	P	47.7

$$y = 1.4883E-005 * x + 8.3850E-007$$

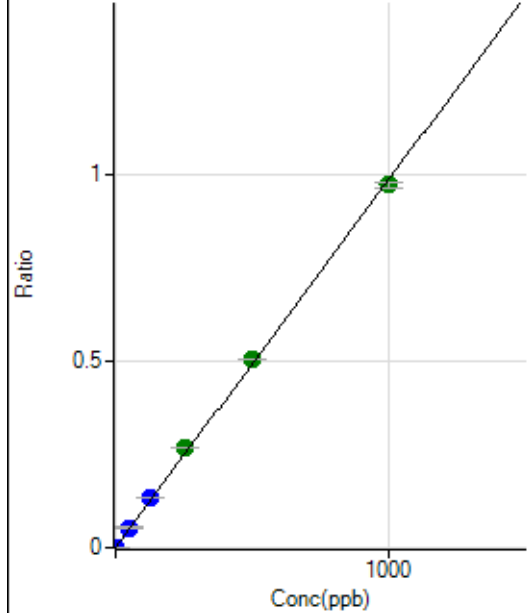
$$R = 0.9998$$

$$DL = 0.1553$$

$$BEC = 0.05634$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	1.0
2	☐	0.100					
3	☐	1.000	1.002	8478.07	0.0010	P	6.8
4	☐	50.000	54.893	451951.12	0.0541	P	1.2
5	☐	125.000	136.405	1146030.71	0.1344	P	1.6
6	☐	250.000	271.246	2337152.59	0.2673	A	0.7
7	☐	500.000	513.026	4729042.16	0.5055	A	0.5
8	☐	1000.000	986.505	9340165.31	0.9721	A	1.6
9	☐			944.52	0.0001	P	5.9

$$y = 9.8538\text{E-}004 * x + 7.0013\text{E-}006$$

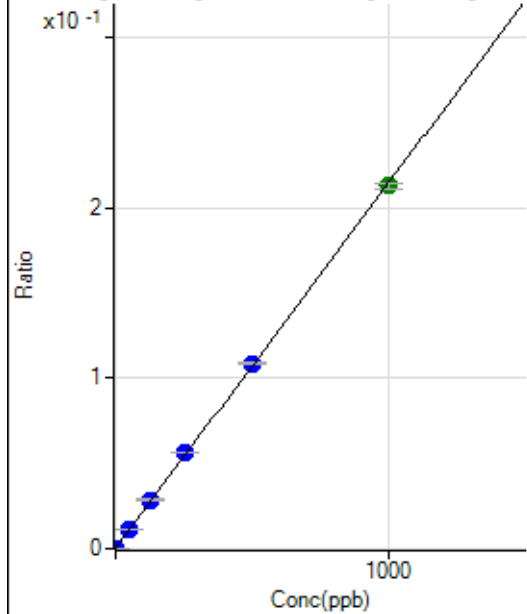
$$R = 0.9996$$

$$DL = 0.0002229$$

$$BEC = 0.007105$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1028.30	0.0001	P	9.6
2	☐	0.100					
3	☐	1.000	0.949	2785.84	0.0003	P	1.2
4	☐	50.000	53.999	97714.33	0.0117	P	0.2
5	☐	125.000	133.550	245097.65	0.0287	P	0.6
6	☐	250.000	262.454	492911.54	0.0564	P	0.5
7	☐	500.000	506.552	1016697.96	0.1087	P	0.9
8	☐	1000.000	992.342	2044649.16	0.2128	A	1.4
9	☐			1163.16	0.0001	P	0.3

$$y = 2.1432\text{E-}004 * x + 1.2333\text{E-}004$$

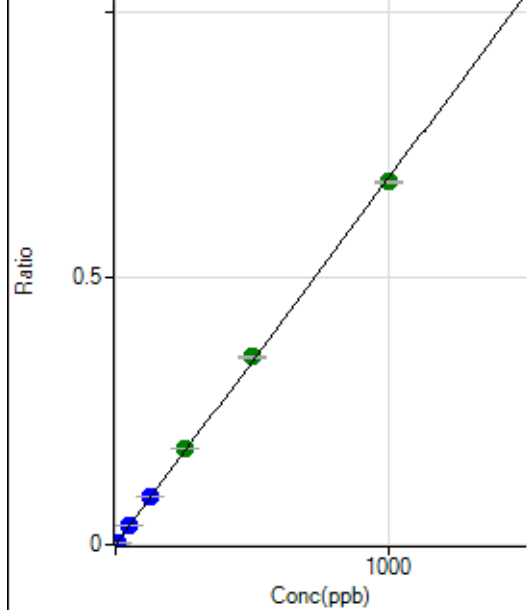
$$R = 0.9999$$

$$DL = 0.1656$$

$$BEC = 0.5754$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	741.72	0.0001	P	14.7
2	☐	0.500					
3	☐	5.000	4.655	28055.49	0.0033	P	2.8
4	☐	50.000	52.551	302688.96	0.0362	P	1.9
5	☐	125.000	132.263	776357.39	0.0911	P	1.0
6	☐	250.000	261.880	1575616.39	0.1802	A	1.6
7	☐	500.000	511.967	3294684.14	0.3522	A	0.6
8	☐	1000.000	990.013	6543332.79	0.6810	A	0.7
9	☐			7293.98	0.0008	P	3.6

$$y = 6.8776E-004 * x + 8.8995E-005$$

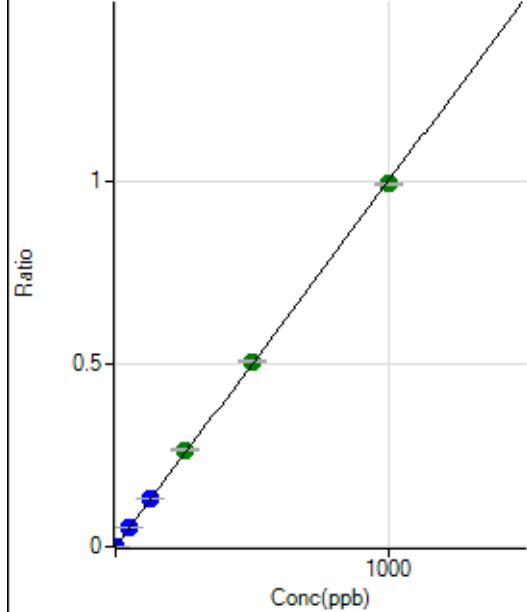
$$R = 0.9998$$

$$DL = 0.05693$$

$$BEC = 0.1294$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	77.78	0.0000	P	24.8
2	☐	0.200					
3	☐	2.000	1.919	16488.65	0.0019	P	2.6
4	☐	50.000	52.832	442781.53	0.0530	P	0.6
5	☐	125.000	132.109	1129816.38	0.1325	P	1.3
6	☐	250.000	264.742	2321855.89	0.2655	A	1.3
7	☐	500.000	506.395	4751353.32	0.5079	A	0.8
8	☐	1000.000	992.087	9561290.93	0.9951	A	0.6
9	☐			11327.52	0.0012	P	0.9

$$y = 0.0010 * x + 9.3349E-006$$

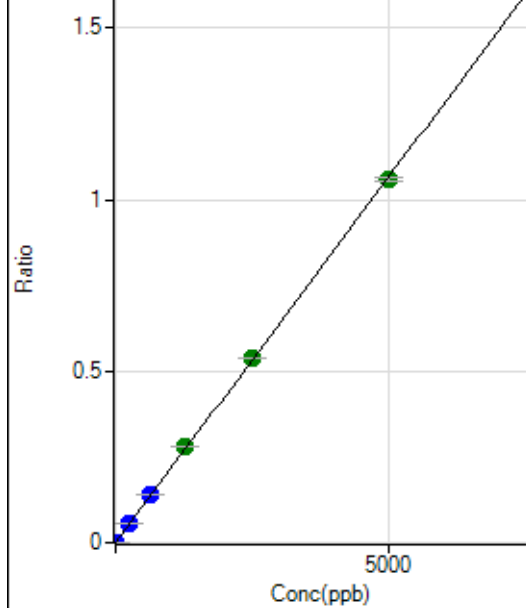
$$R = 0.9998$$

$$DL = 0.006918$$

$$BEC = 0.009307$$

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	44.45	0.0000	P	38.7
2	☐	1.000					
3	☐	10.000	9.462	17228.52	0.0020	P	2.2
4	☐	250.000	260.667	463849.04	0.0555	P	0.4
5	☐	625.000	656.983	1192990.95	0.1399	P	1.7
6	☐	1250.000	1322.572	2463012.53	0.2817	A	0.7
7	☐	2500.000	2526.201	5033018.17	0.5380	A	0.2
8	☐	5000.000	4964.226	10158828.44	1.0573	A	0.9
9	☐			2655.95	0.0003	P	5.3

$$y = 2.1298\text{E-}004 * x + 5.3303\text{E-}006$$

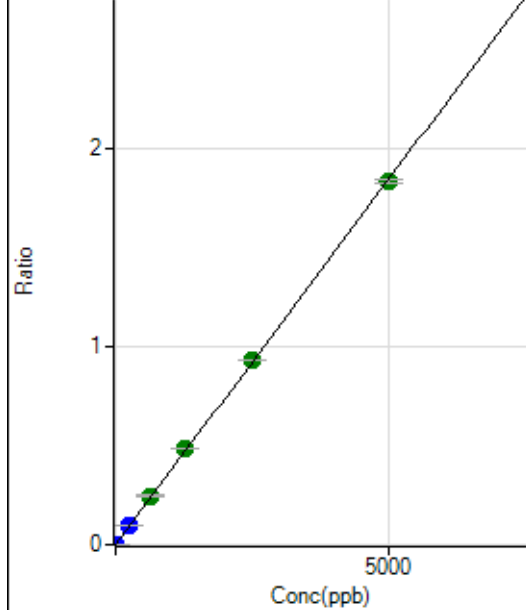
$$R = 0.9999$$

$$DL = 0.02906$$

$$BEC = 0.02503$$

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	75.00	0.0000	P	43.8
2	☐	1.000					
3	☐	10.000	9.356	29561.83	0.0035	P	1.7
4	☐	250.000	263.165	812661.23	0.0973	P	1.0
5	☐	625.000	669.009	2108179.99	0.2473	A	1.6
6	☐	1250.000	1315.316	4250738.94	0.4861	A	1.0
7	☐	2500.000	2519.052	8709406.44	0.9310	A	0.3
8	☐	5000.000	4967.987	17642484.25	1.8361	A	1.1
9	☐			4712.17	0.0005	P	6.6

$$y = 3.6959\text{E-}004 * x + 8.9868\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.03192$$

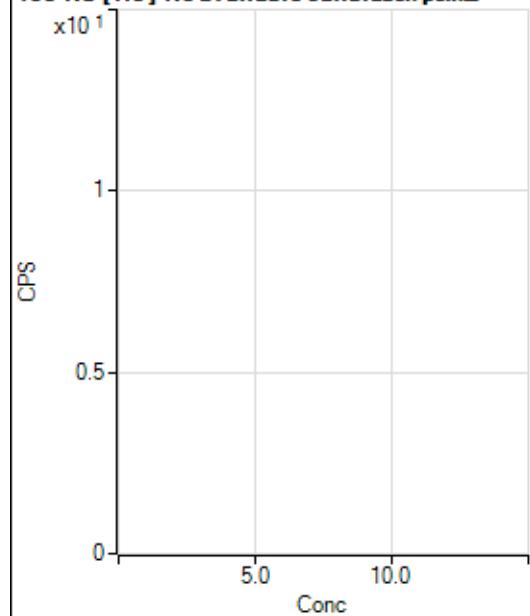
$$BEC = 0.02432$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

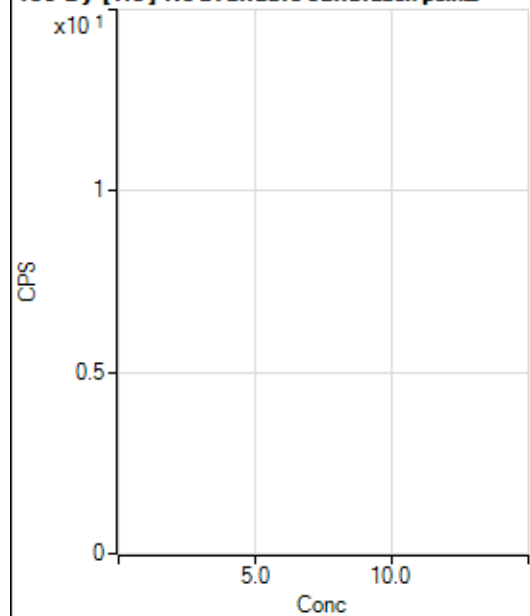
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	173.2
2	☐						
3	☐			11.11		P	124.9
4	☐			31.11		P	65.5
5	☐			46.67		P	65.5
6	☐			120.01		P	14.7
7	☐			188.90		P	26.5
8	☐			388.91		P	18.8
9	☐			97.78		P	20.8

150 Nd [He] No available calibration points

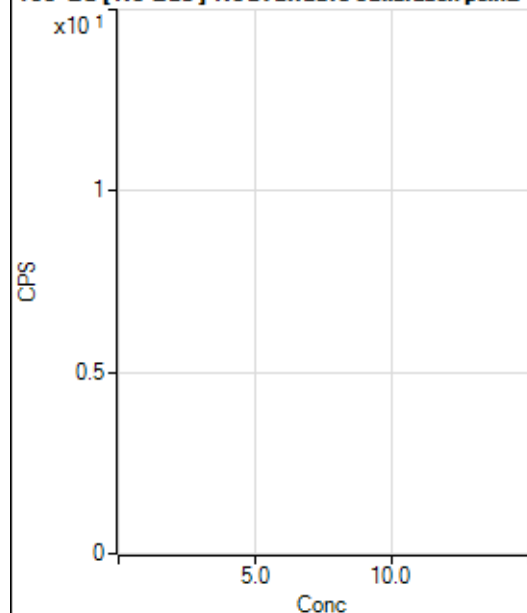
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			0.00		P	
5	☐			2.22		P	86.6
6	☐			6.67		P	50.0
7	☐			4.45		P	86.6
8	☐			7.78		P	89.2
9	☐			18.89		P	44.4

156 Dy [No Gas] No available calibration points

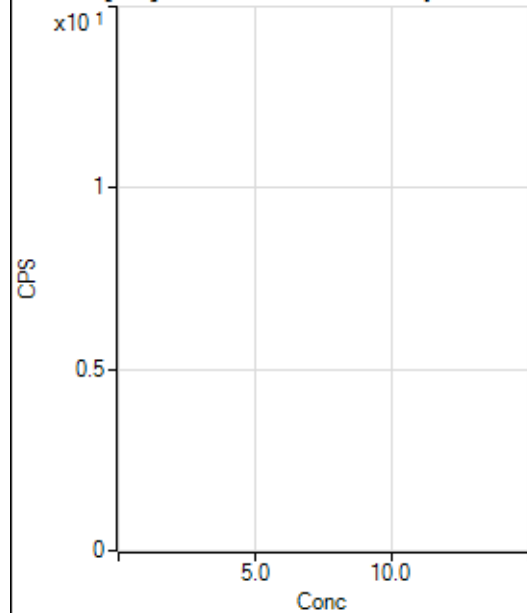
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			19.45		P	24.7
2	☐						
3	☐			13.89		P	91.6
4	☐			19.44		P	65.5
5	☐			30.56		P	31.5
6	☐			63.89		P	27.2
7	☐			102.78		P	23.4
8	☐			141.67		P	21.2
9	☐			61.12		P	34.3

156 Dy [He] No available calibration points

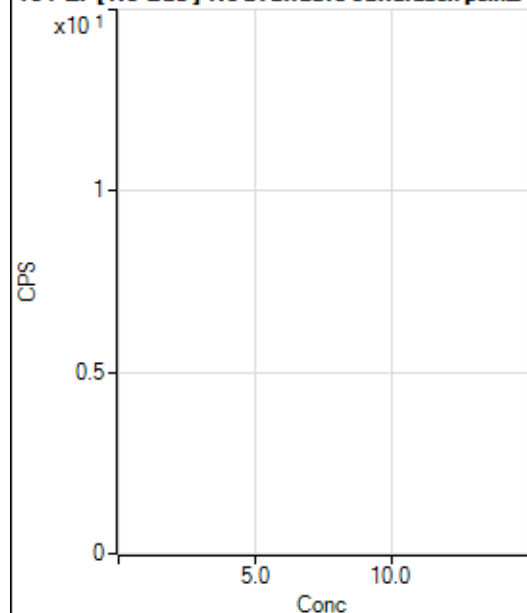
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.2
2	☐						
3	☐			2.22		P	173.2
4	☐			2.22		P	173.2
5	☐			1.11		P	173.2
6	☐			4.44		P	43.4
7	☐			10.00		P	33.3
8	☐			6.67		P	50.0
9	☐			7.78		P	49.5

160 Gd [No Gas] Noavailable calibration poin_

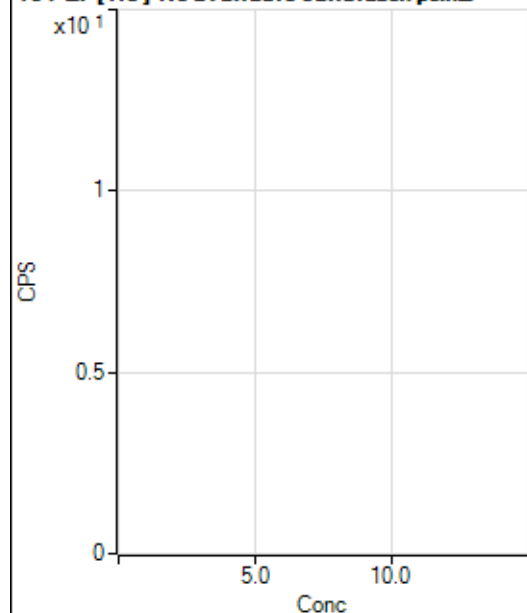
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			38.89		P	44.6
2	☐						
3	☐			69.45		P	34.6
4	☐			52.78		P	24.1
5	☐			69.45		P	38.6
6	☐			77.78		P	34.4
7	☐			116.67		P	18.9
8	☐			122.23		P	10.4
9	☐			111.12		P	30.3

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	57.3
2	☐						
3	☐			13.33		P	50.0
4	☐			7.78		P	65.5
5	☐			5.56		P	34.7
6	☐			7.78		P	65.5
7	☐			15.56		P	65.5
8	☐			17.78		P	47.2
9	☐			14.44		P	13.4

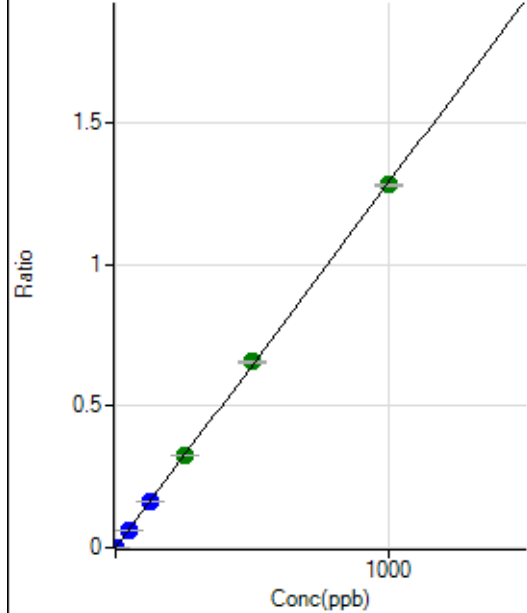
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			27.78		P	17.3
2	☐						
3	☐			50.00		P	60.1
4	☐			27.78		P	34.6
5	☐			30.56		P	31.5
6	☐			41.67		P	20.0
7	☐			50.00		P	28.9
8	☐			55.56		P	45.8
9	☐			55.56		P	22.9

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐						
3	☐			11.11		P	34.6
4	☐			3.33		P	100.1
5	☐			7.78		P	24.7
6	☐			3.33		P	100.1
7	☐			8.89		P	21.6
8	☐			8.89		P	43.3
9	☐			6.67		P	86.6

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.67	0.0000	P	18.6
2	☐	0.100					
3	☐	1.000	0.900	6110.10	0.0012	P	6.7
4	☐	50.000	48.961	325008.13	0.0632	P	1.4
5	☐	125.000	125.526	846063.39	0.1620	P	1.0
6	☐	250.000	253.532	1780489.82	0.3271	A	1.3
7	☐	500.000	509.902	3871825.87	0.6579	A	1.5
8	☐	1000.000	994.152	7787898.79	1.2826	A	0.8
9	☐			2539.26	0.0005	P	6.6

$$y = 0.0013 * x + 1.7936E-005$$

$$R = 0.9999$$

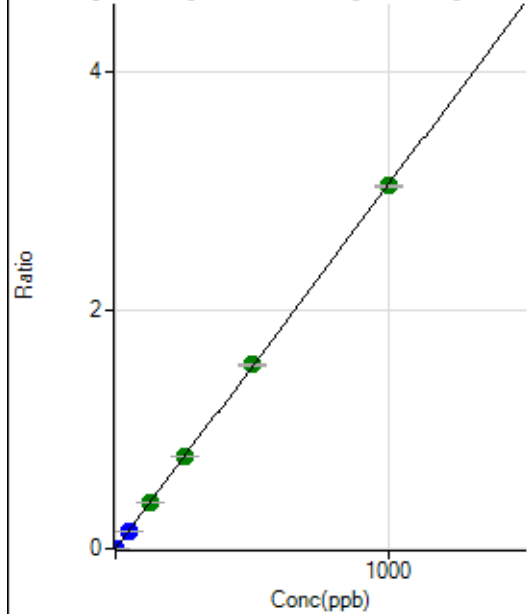
$$DL = 0.007753$$

$$BEC = 0.0139$$

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	241.68	0.0000	P	6.3
2	☐	0.100					
3	☐	1.000	0.913	14673.01	0.0028	P	1.7
4	☐	50.000	49.617	778648.78	0.1514	P	1.7
5	☐	125.000	128.097	2041011.03	0.3907	A	1.9
6	☐	250.000	253.204	4203807.69	0.7723	A	1.2
7	☐	500.000	505.088	9067199.86	1.5406	A	1.1
8	☐	1000.000	996.287	18450641.21	3.0387	A	0.7
9	☐			6349.12	0.0012	P	6.2

$$y = 0.0031 * x + 4.7268E-005$$

$$R = 1.0000$$

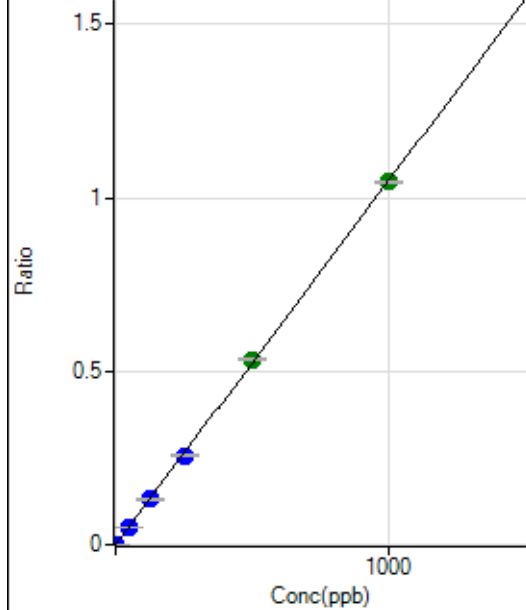
$$DL = 0.002914$$

$$BEC = 0.0155$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	525.95	0.0001	P	24.4
2	☐	0.100					
3	☐	1.000	0.897	5405.03	0.0010	P	5.7
4	☐	50.000	49.306	266522.89	0.0518	P	1.3
5	☐	125.000	124.607	683199.97	0.1308	P	1.3
6	☐	250.000	245.507	1402125.86	0.2576	P	0.7
7	☐	500.000	507.755	3134840.90	0.5326	A	1.2
8	☐	1000.000	997.330	6351718.37	1.0461	A	0.6
9	☐			6889.09	0.0012	P	1.3

$$y = 0.0010 * x + 1.0278E-004$$

$$R = 0.9999$$

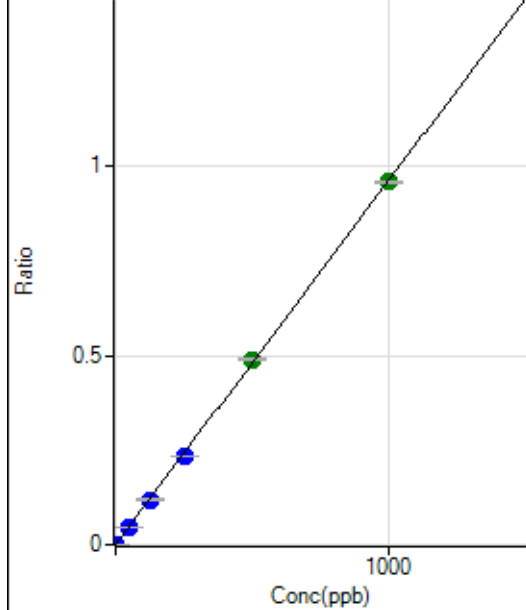
$$DL = 0.07169$$

$$BEC = 0.098$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	440.76	0.0001	P	9.3
2	☐	0.100					
3	☐	1.000	0.891	4888.12	0.0009	P	4.2
4	☐	50.000	48.626	241222.73	0.0469	P	0.7
5	☐	125.000	123.682	622343.19	0.1191	P	1.5
6	☐	250.000	244.305	1280556.06	0.2353	P	0.5
7	☐	500.000	509.148	2885100.21	0.4902	A	1.0
8	☐	1000.000	997.083	5828338.38	0.9599	A	0.6
9	☐			6038.67	0.0011	P	1.0

$$y = 9.6260E-004 * x + 8.6167E-005$$

$$R = 0.9999$$

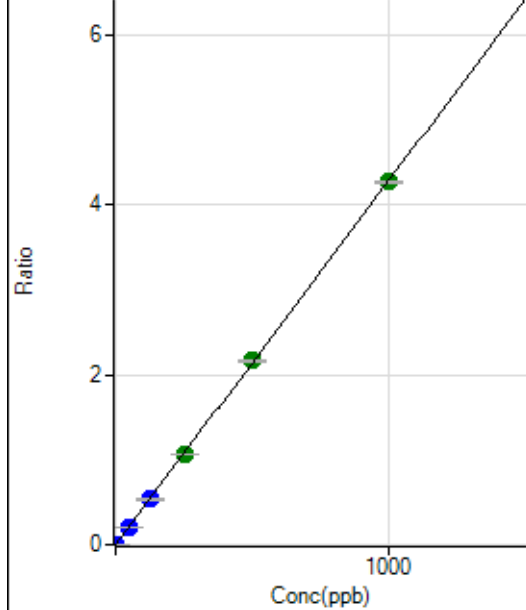
$$DL = 0.02497$$

$$BEC = 0.08952$$

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	2118.66	0.0004	P	7.1
2	☐	0.100					
3	☐	1.000	0.896	22019.26	0.0042	P	1.6
4	☐	50.000	49.091	1082884.03	0.2105	P	0.6
5	☐	125.000	124.774	2791552.56	0.5344	P	1.6
6	☐	250.000	248.589	5793465.09	1.0643	A	0.4
7	☐	500.000	505.646	12739709.60	2.1645	A	0.6
8	☐	1000.000	997.603	25926944.33	4.2699	A	0.5
9	☐			27378.96	0.0050	P	0.4

$$y = 0.0043 * x + 4.1426E-004$$

$$R = 1.0000$$

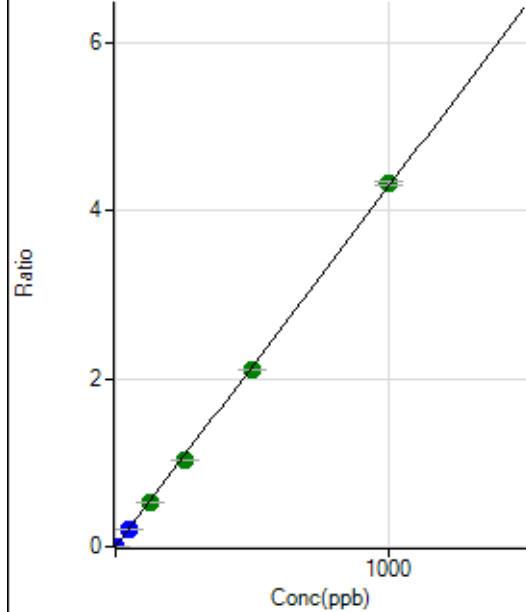
$$DL = 0.02056$$

$$BEC = 0.09679$$

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	94.45	0.0000	P	4.6
2	☐	0.100					
3	☐	1.000	0.835	18648.05	0.0036	P	2.5
4	☐	50.000	46.846	1033887.02	0.2010	P	1.1
5	☐	125.000	122.414	2743234.72	0.5252	A	2.2
6	☐	250.000	242.121	5654275.60	1.0388	A	0.6
7	☐	500.000	490.424	12384881.87	2.1040	A	0.3
8	☐	1000.000	1007.239	26238003.19	4.3212	A	1.0
9	☐			1886.34	0.0003	P	7.6

$$y = 0.0043 * x + 1.8467E-005$$

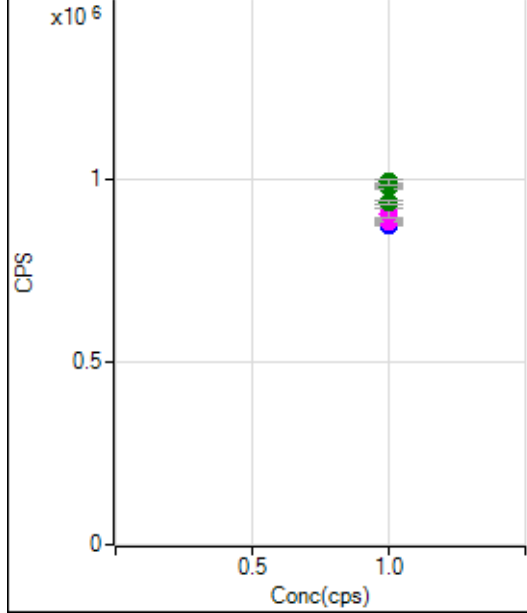
$$R = 0.9999$$

$$DL = 0.0005947$$

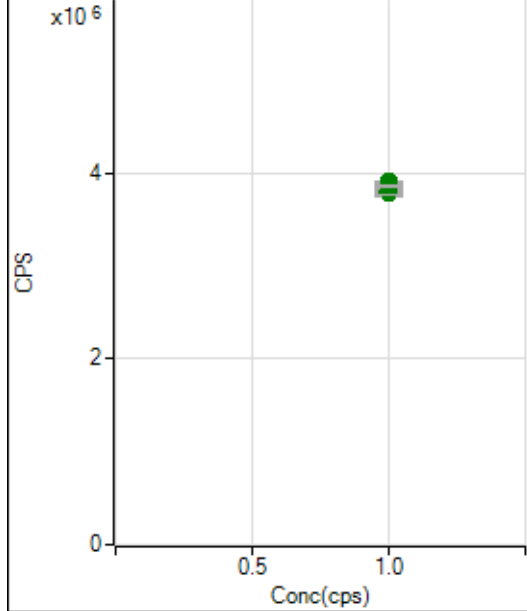
$$BEC = 0.004305$$

Weight: <None>

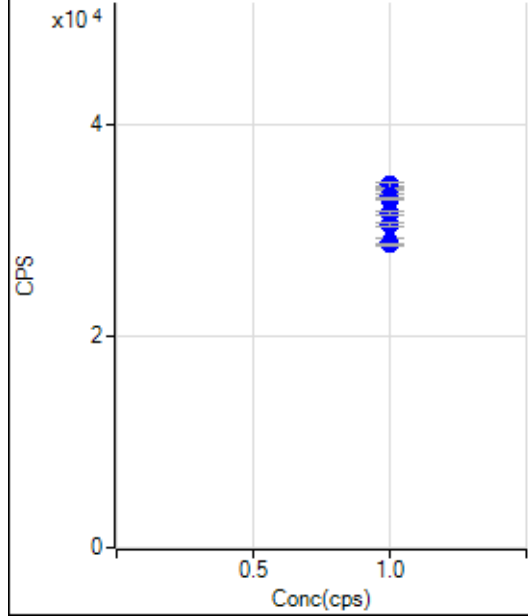
Min Conc: 0

6 Li (ISTD) [No Gas]

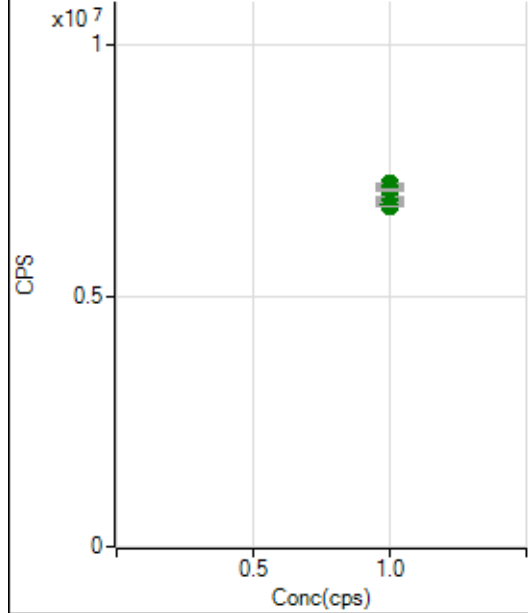
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		874213.83		P	0.6
2	☐	1.000					
3	☐	1.000		883554.55		P	0.5
4	☐	1.000		883088.21		M	0.6
5	☐	1.000		905931.78		M	2.5
6	☐	1.000		935607.00		A	0.7
7	☐	1.000		982927.19		A	1.2
8	☐	1.000		975760.67		A	1.1
9	☐	1.000		991537.41		A	1.8

45 Sc (ISTD) [No Gas]

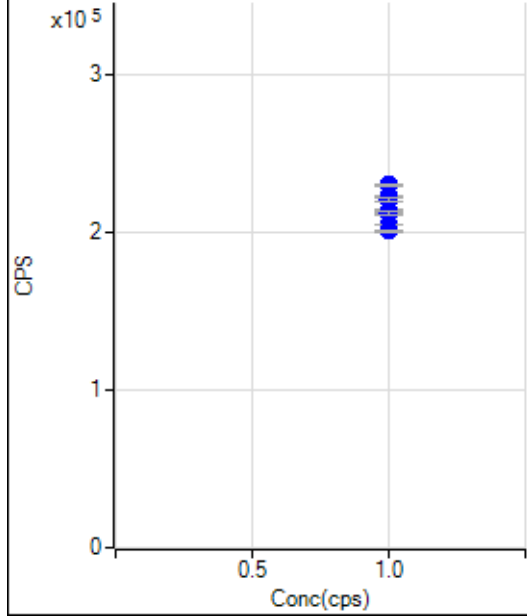
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3793785.76		A	0.8
2	☐	1.000					
3	☐	1.000		3885988.24		A	1.4
4	☐	1.000		3806105.29		A	1.0
5	☐	1.000		3781023.91		A	1.6
6	☐	1.000		3829271.70		A	1.0
7	☐	1.000		3900164.41		A	0.3
8	☐	1.000		3796958.38		A	1.6
9	☐	1.000		3860827.08		A	0.3

45 Sc (ISTD) [He]

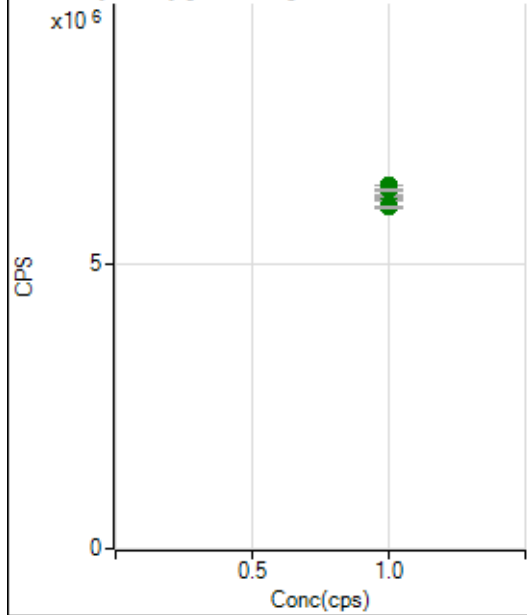
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		34089.21		P	0.9
2	☐	1.000					
3	☐	1.000		34348.82		P	1.3
4	☐	1.000		33363.11		P	1.3
5	☐	1.000		33041.20		P	0.3
6	☐	1.000		31662.50		P	0.8
7	☐	1.000		29002.34		P	1.5
8	☐	1.000		28725.08		P	0.7
9	☐	1.000		30567.82		P	1.0

89 Y (ISTD) [No Gas]

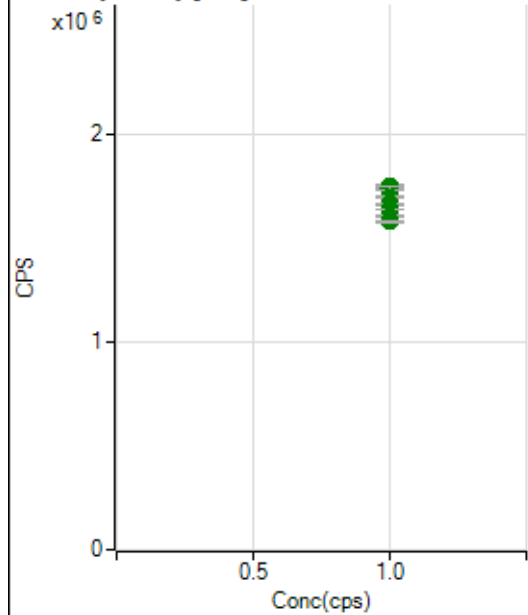
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6932791.77		A	0.5
2	☐	1.000					
3	☐	1.000		6951210.45		A	0.3
4	☐	1.000		6806512.47		A	0.5
5	☐	1.000		6844606.98		A	1.1
6	☐	1.000		6976679.62		A	0.4
7	☐	1.000		7156223.09		A	0.6
8	☐	1.000		7235101.42		A	0.6
9	☐	1.000		7114977.05		A	0.2

89 Y(ISTD) [He]

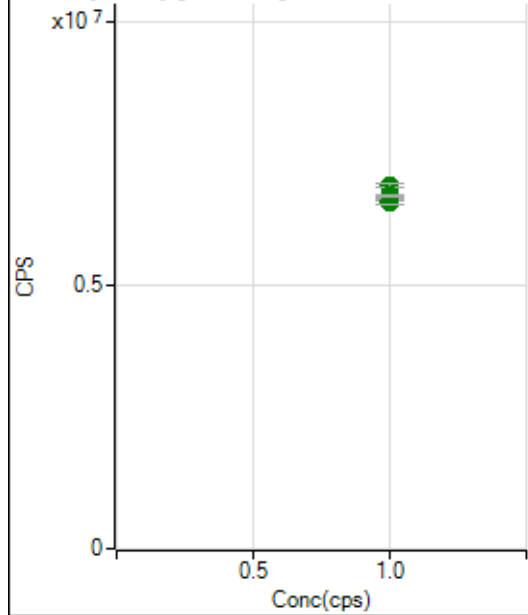
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		230066.99		P	0.1
2	☐	1.000					
3	☐	1.000		230140.71		P	0.3
4	☐	1.000		222875.22		P	0.2
5	☐	1.000		220867.67		P	1.1
6	☐	1.000		213661.55		P	1.3
7	☐	1.000		204991.69		P	0.3
8	☐	1.000		201054.67		P	0.5
9	☐	1.000		212327.71		P	1.1

103 Rh(ISTD) [No Gas]

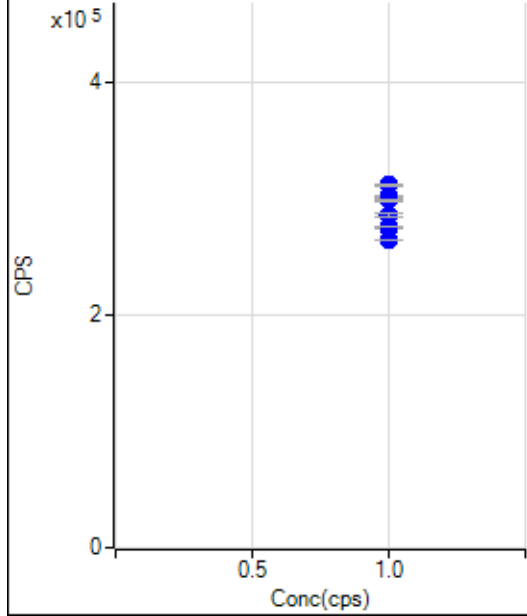
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6307523.97		A	0.4
2	☐	1.000					
3	☐	1.000		6329407.52		A	0.4
4	☐	1.000		6143773.10		A	0.7
5	☐	1.000		6143793.85		A	0.8
6	☐	1.000		6211619.28		A	0.7
7	☐	1.000		6383738.34		A	0.1
8	☐	1.000		6318620.89		A	0.7
9	☐	1.000		6017660.51		A	0.6

103 Rh (ISTD) [He]

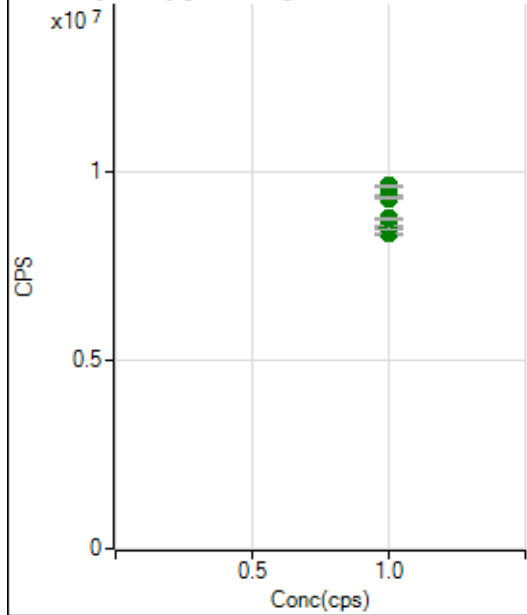
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1750683.32		A	1.0
2	☐	1.000					
3	☐	1.000		1748163.83		A	1.1
4	☐	1.000		1700636.48		A	0.1
5	☐	1.000		1699205.03		A	0.6
6	☐	1.000		1665685.62		A	0.4
7	☐	1.000		1641167.77		A	0.4
8	☐	1.000		1608228.28		A	0.8
9	☐	1.000		1582324.54		A	0.3

115 In (ISTD) [No Gas]

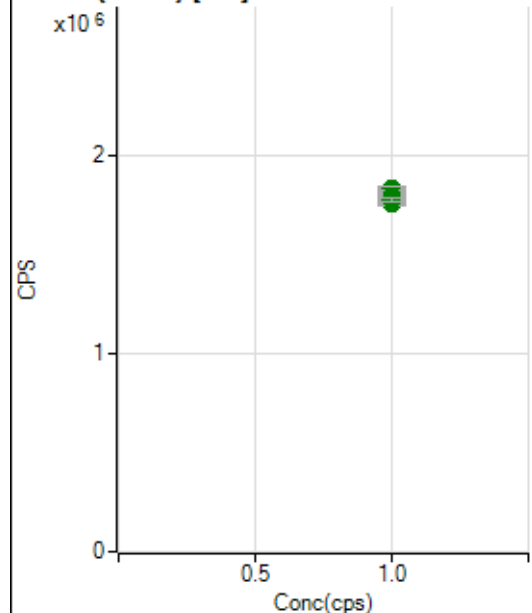
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6688530.65		A	0.6
2	☐	1.000					
3	☐	1.000		6716632.26		A	0.3
4	☐	1.000		6573390.56		A	1.4
5	☐	1.000		6615884.10		A	1.8
6	☐	1.000		6716379.15		A	0.7
7	☐	1.000		6869090.28		A	0.4
8	☐	1.000		6896796.86		A	0.9
9	☐	1.000		6714417.60		A	0.4

115 In (ISTD) [He]

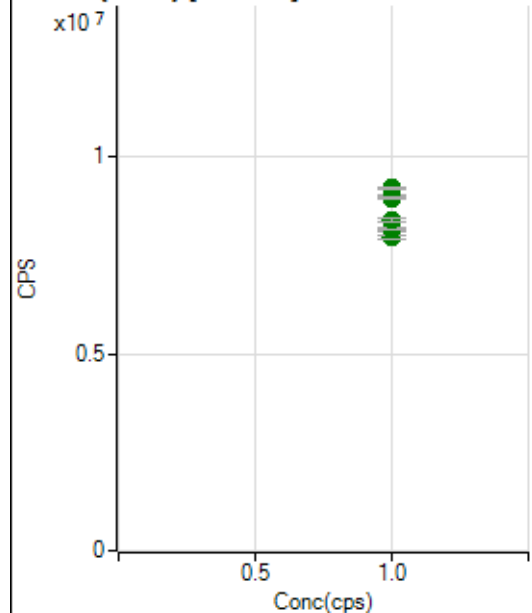
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		312167.24		P	0.8
2	☐	1.000					
3	☐	1.000		311893.08		P	0.6
4	☐	1.000		302077.42		P	0.3
5	☐	1.000		299135.03		P	0.5
6	☐	1.000		286620.50		P	1.1
7	☐	1.000		274672.76		P	0.6
8	☐	1.000		264629.82		P	0.3
9	☐	1.000		276550.81		P	0.2

159 Tb (ISTD) [No Gas]

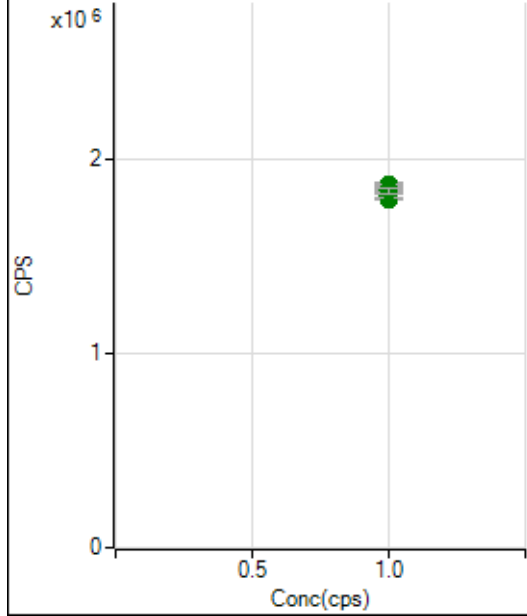
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8333345.15		A	1.0
2	☐	1.000					
3	☐	1.000		8526988.97		A	0.3
4	☐	1.000		8354439.25		A	0.2
5	☐	1.000		8526882.86		A	1.1
6	☐	1.000		8744110.57		A	0.5
7	☐	1.000		9354599.24		A	0.2
8	☐	1.000		9608858.19		A	0.6
9	☐	1.000		9282276.46		A	0.6

159 Tb (ISTD) [He]

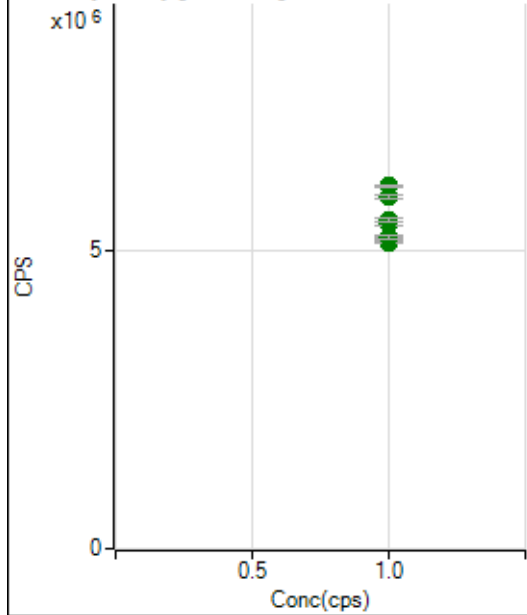
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1820806.95		A	1.2
2	☐	1.000					
3	☐	1.000		1829782.78		A	1.1
4	☐	1.000		1798523.83		A	0.5
5	☐	1.000		1781427.65		A	0.5
6	☐	1.000		1755124.92		A	1.0
7	☐	1.000		1754734.24		A	0.8
8	☐	1.000		1752804.26		A	0.3
9	☐	1.000		1772832.46		A	1.2

165 Ho (ISTD) [No Gas]

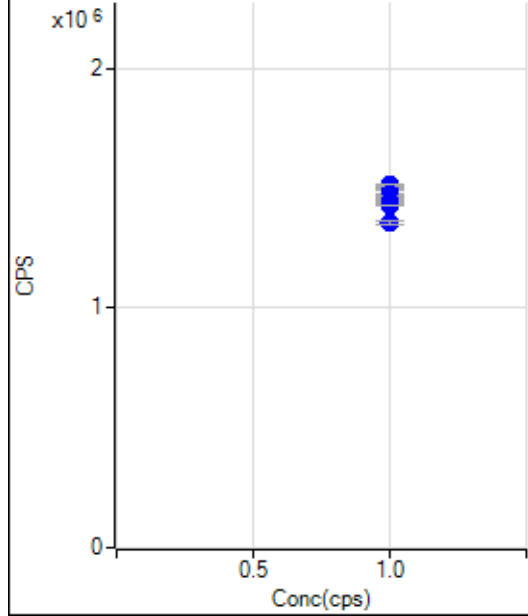
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8007327.61		A	0.4
2	☐	1.000					
3	☐	1.000		8103778.48		A	0.4
4	☐	1.000		7956467.71		A	0.9
5	☐	1.000		8165625.01		A	0.8
6	☐	1.000		8393978.75		A	0.8
7	☐	1.000		9013313.91		A	0.7
8	☐	1.000		9209284.41		A	0.9
9	☐	1.000		8948227.02		A	0.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1864316.12		A	1.2
2	☐	1.000					
3	☐	1.000		1866710.51		A	0.5
4	☐	1.000		1841436.59		A	0.3
5	☐	1.000		1825873.08		A	0.6
6	☐	1.000		1795092.47		A	0.2
7	☐	1.000		1800953.51		A	0.4
8	☐	1.000		1812110.17		A	1.1
9	☐	1.000		1835997.82		A	1.3

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5113705.03		A	0.5
2	☐	1.000					
3	☐	1.000		5181311.69		A	0.6
4	☐	1.000		5144064.54		A	0.6
5	☐	1.000		5224145.30		A	1.2
6	☐	1.000		5443439.78		A	0.9
7	☐	1.000		5886149.01		A	1.3
8	☐	1.000		6071994.91		A	0.7
9	☐	1.000		5514957.77		A	1.1

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1500913.10		P	0.4
2	☐	1.000					
3	☐	1.000		1515144.79		P	0.2
4	☐	1.000		1478021.61		P	0.3
5	☐	1.000		1468398.28		P	0.4
6	☐	1.000		1444630.27		P	0.8
7	☐	1.000		1441079.96		P	0.2
8	☐	1.000		1429812.84		P	0.2
9	☐	1.000		1356458.47		P	0.8

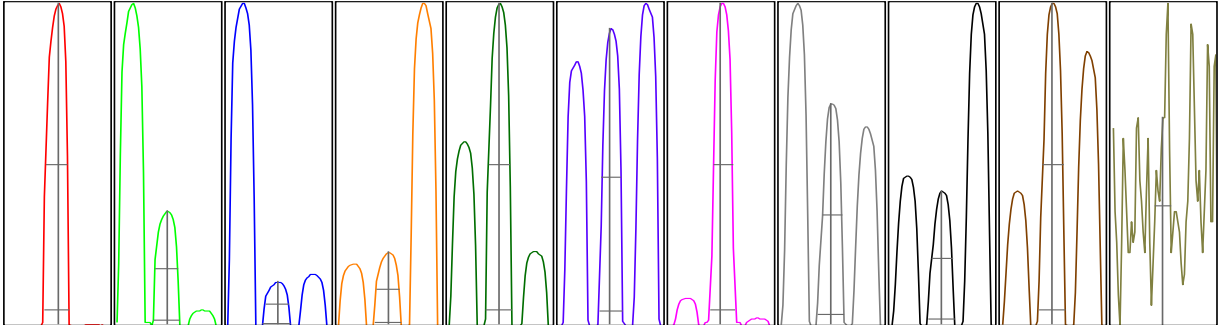
US EPA Tune Check Sample Report

Batch Folder D:\P8101017 MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]					
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)	
9	5172	1.44	5.00		
24	28355	0.68	5.00		
25	3980	0.68	5.00		
26	4583	1.14	5.00		
59	65912	1.93	5.00		
113	8762	0.70	5.00		
115	111214	1.50	5.00		
206	24234	2.32	5.00		
207	22068	2.16	5.00		
208	53055	1.70	5.00		
220	2	19.94			

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	5209	5226	5059	5233	5135
24	28413	28559	28248	28478	28074
25	3985	4022	3977	3970	3948
26	4565	4651	4606	4509	4585
59	64532	67191	66679	64552	66607
113	8793	8677	8842	8764	8736
115	113111	109276	112417	111532	109732
206	24395	23952	24821	24596	23408
207	22089	21974	22586	22362	21329
208	53354	53188	53825	53411	51495
220	2	1	2	2	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	8492	9.05	8.9 - 9.1		0.741	0.900	
24	46175	24.00	23.9 - 24.1		0.743	0.900	
25	6281	25.00	24.9 - 25.1		0.788	0.900	
26	7389	26.00	25.9 - 26.1		0.785	0.900	
59	110471	59.00	58.9 - 59.1		0.741	0.900	
113	15957	113.00	112.9 - 113.1		0.690	0.900	
115	201903	115.00	114.9 - 115.1		0.733	0.900	
206	43485	206.00	205.9 - 206.1		0.771	0.900	
207	38866	207.00	206.9 - 207.1		0.779	0.900	
208	93445	208.00	207.9 - 208.1		0.777	0.900	
220	2	220.00	-				

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	9.7	V	Deflect	14.0	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-100	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	8617	0.18	
89	1785	0.67	
205	12282	0.47	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	8604	8623	8633	8626	8596
89	1797	1786	1766	1783	1792
205	12357	12262	12299	12292	12200

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	9.7	V	Deflect	2.4	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-100	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 :	LB90723	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:23:30	DataFile Name :	004CALB_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.13	-1.73	-0.39	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.02	-0.01	-0.01	0.00	N/A	ppb
Barium	135-1	-0.01	0.00	0.01	0.00	N/A	ppb
Barium	137-1	-0.01	0.00	0.01	0.00	N/A	ppb
Beryllium	9-1	-0.01	-0.02	0.02	0.00	N/A	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	0.05	0.05	-0.10	0.00	N/A	ppb
Boron	11-1	-0.07	-0.02	0.08	0.00	N/A	ppb
Cadmium	111-1	0.04	-0.06	0.03	0.00	N/A	ppb
Cadmium	106-1	0.52	-0.90	0.38	0.00	N/A	ppb
Cadmium	108-1	0.01	0.05	-0.06	0.00	N/A	ppb
Calcium	43-1	6.36	6.51	-12.87	0.00	N/A	ppb
Calcium	44-1	1.38	0.11	-1.48	0.00	N/A	ppb
Chromium	52-2	0.02	-0.05	0.03	0.00	N/A	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	N/A	ppb
Copper	63-2	0.01	-0.01	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	0.01	0.01	-0.03	0.00	N/A	ppb
Iron	57-2	0.97	-0.52	-0.45	0.00	N/A	ppb
Lead	206-1	0.00	-0.02	0.02	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	0.00	-0.01	0.00	0.00	N/A	ppb
Lithium	6-1						%
Magnesium	24-2	-0.37	-0.92	1.28	0.00	N/A	ppb
Manganese	55-2	-0.03	-0.01	0.04	0.00	N/A	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:23:30	DataFile Name :	004CALB_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.03	0.00	0.00	N/A	ppb
Phosphorus	31-2	9.31	9.15	9.50	9.32	1.89	ppb
Potassium	39-2	-4.47	-0.38	4.86	0.00	N/A	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.25	-1.01	1.27	0.00	N/A	ppb
Selenium	82-1	-0.34	0.46	-0.12	0.00	N/A	ppb
Silicon	28-1	0.84	0.52	-1.36	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	-6.39	-2.19	8.58	0.00	N/A	ppb
Strontium	86-1	0.00	0.04	-0.04	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	35.68	144.93	-202.17	-7.18		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.00	0.00	0.00	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	0.01	0.00	N/A	ppb
Titanium	47-1	-0.01	0.04	-0.03	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.01	-0.01	0.00	N/A	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	0.10	-0.16	0.06	0.00	N/A	ppb
Zirconium	90-1	-0.01	0.00	0.01	0.00	N/A	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:23:30	DataFile Name :	004CALB_P8101017 MS

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

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:30:29	DataFile Name :	006CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	27.95	17.28	10.81	18.68	46.32	ppb
Antimony	121-1	1.89	1.98	1.89	1.92	2.64	ppb
Arsenic	75-2	1.08	0.80	1.14	1.01	18.09	ppb
Barium	135-1	9.55	9.22	9.62	9.46	2.20	ppb
Barium	137-1	9.53	9.24	9.30	9.36	1.66	ppb
Beryllium	9-1	0.86	0.89	0.88	0.88	1.98	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	24.39	24.32	22.90	23.87	3.52	ppb
Boron	11-1	22.41	25.19	24.98	24.19	6.40	ppb
Cadmium	111-1	0.94	0.93	0.97	0.95	1.92	ppb
Cadmium	106-1	1.40	0.93	0.88	1.07	26.63	ppb
Cadmium	108-1	1.13	0.90	1.09	1.04	11.93	ppb
Calcium	43-1	411.51	442.52	392.47	415.50	6.08	ppb
Calcium	44-1	439.52	447.08	434.45	440.35	1.44	ppb
Chromium	52-2	1.87	1.99	1.72	1.86	7.22	ppb
Cobalt	59-2	0.84	0.86	0.90	0.86	3.41	ppb
Copper	63-2	1.75	1.63	1.80	1.73	4.89	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	45.83	45.94	44.40	45.39	1.89	ppb
Iron	57-2	44.57	43.06	40.86	42.83	4.35	ppb
Lead	206-1	0.96	0.86	0.87	0.90	6.34	ppb
Lead	207-1	0.87	0.94	0.86	0.89	4.57	ppb
Lead	208-1	0.90	0.91	0.88	0.90	1.76	ppb
Lithium	6-1						%
Magnesium	24-2	481.43	455.83	432.58	456.61	5.35	ppb
Manganese	55-2	0.94	1.03	1.05	1.01	5.52	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:30:29	DataFile Name :	006CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.98	1.90	1.98	1.95	2.32	ppb
Molybdenum	95-1	4.40	4.59	4.55	4.51	2.26	ppb
Molybdenum	96-1	3.91	3.76	3.85	3.84	1.98	ppb
Molybdenum	97-1	4.49	4.48	4.40	4.46	1.17	ppb
Molybdenum	98-1	4.59	4.45	4.37	4.47	2.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.99	1.03	0.99	1.01	2.40	ppb
Phosphorus	31-2	-9.32	-9.32	-9.32	-9.32		ppb
Potassium	39-2	459.58	453.98	430.05	447.87	3.50	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	4.56	13.75	13.77	10.69	49.65	ppb
Selenium	78-2	3.51	5.80	6.58	5.30	30.05	ppb
Selenium	82-1	5.25	5.52	4.08	4.95	15.39	ppb
Silicon	28-1	15.54	14.85	12.63	14.34	10.59	ppb
Silver	109-1	1.02	0.93	1.06	1.00	6.80	ppb
Silver	107-1	0.99	1.03	0.97	1.00	2.89	ppb
Sodium	23-2	474.40	446.92	464.62	461.98	3.02	ppb
Strontium	86-1	1.00	0.86	1.00	0.96	8.48	ppb
Strontium	88-1	0.95	0.90	0.92	0.92	2.79	ppb
Sulfur	34-1	4.90	203.99	-187.34	7.18	2723.61	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.89	0.85	0.97	0.90	6.85	ppb
Thallium	205-1	0.93	0.90	0.91	0.91	1.77	ppb
Tin	118-1	4.78	4.52	4.66	4.65	2.83	ppb
Titanium	47-1	4.70	4.10	4.31	4.37	6.94	ppb
Uranium	238-1	0.83	0.86	0.82	0.83	2.52	ppb
Vanadium	51-2	4.54	3.91	4.26	4.24	7.43	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	2.01	1.69	1.88	1.86	8.74	ppb
Zirconium	90-1	0.90	0.90	0.89	0.90	0.69	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:30:29	DataFile Name :	006CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.87	0.87	0.85	0.86	1.65	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:33:59	DataFile Name :	007CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1023.80	1073.17	965.05	1020.68	5.30	ppb
Antimony	121-1	52.75	53.17	52.57	52.83	0.58	ppb
Arsenic	75-2	50.89	49.75	52.42	51.02	2.63	ppb
Barium	135-1	260.09	261.75	260.16	260.67	0.36	ppb
Barium	137-1	263.26	265.66	260.58	263.17	0.97	ppb
Beryllium	9-1	55.66	55.82	55.50	55.66	0.29	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	51.61	52.91	54.54	53.02	2.76	ppb
Boron	11-1	53.57	51.65	55.05	53.42	3.19	ppb
Cadmium	111-1	54.04	53.86	54.09	54.00	0.23	ppb
Cadmium	106-1	57.21	53.37	57.72	56.10	4.23	ppb
Cadmium	108-1	55.39	56.19	54.10	55.23	1.90	ppb
Calcium	43-1	4776.47	4791.39	4885.79	4817.88	1.23	ppb
Calcium	44-1	4924.63	4961.72	4891.75	4926.03	0.71	ppb
Chromium	52-2	49.44	49.65	49.02	49.37	0.64	ppb
Cobalt	59-2	48.80	49.09	47.96	48.62	1.21	ppb
Copper	63-2	98.16	97.90	96.22	97.43	1.08	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	2571.73	2626.25	2557.20	2585.06	1.41	ppb
Iron	57-2	2545.37	2572.91	2478.14	2532.14	1.93	ppb
Lead	206-1	49.19	50.02	48.71	49.31	1.34	ppb
Lead	207-1	48.32	49.01	48.54	48.63	0.72	ppb
Lead	208-1	48.87	49.43	48.97	49.09	0.61	ppb
Lithium	6-1						%
Magnesium	24-2	5138.62	5161.65	5070.77	5123.68	0.92	ppb
Manganese	55-2	100.86	100.63	98.42	99.97	1.35	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:33:59	DataFile Name :	007CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	49.39	50.02	50.13	49.85	0.80	ppb
Molybdenum	95-1	49.62	49.28	49.30	49.40	0.38	ppb
Molybdenum	96-1	49.91	49.61	49.88	49.80	0.33	ppb
Molybdenum	97-1	50.44	50.52	49.66	50.20	0.94	ppb
Molybdenum	98-1	50.08	49.77	49.65	49.83	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	49.59	50.68	48.70	49.65	1.99	ppb
Phosphorus	31-2	1193.13	781.57	1042.74	1005.81	20.70	ppb
Potassium	39-2	2624.90	2580.31	2471.02	2558.74	3.09	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	33.08	42.49	71.13	48.90	40.53	ppb
Selenium	78-2	38.83	52.83	56.20	49.29	18.68	ppb
Selenium	82-1	51.44	52.93	52.93	52.43	1.63	ppb
Silicon	28-1	66.68	65.40	68.01	66.69	1.95	ppb
Silver	109-1	54.28	55.55	54.85	54.89	1.16	ppb
Silver	107-1	55.07	56.12	55.48	55.56	0.95	ppb
Sodium	23-2	5185.74	5253.72	5073.77	5171.08	1.76	ppb
Strontium	86-1	50.76	50.67	50.29	50.57	0.50	ppb
Strontium	88-1	51.69	51.08	51.03	51.27	0.72	ppb
Sulfur	34-1	1702.80	1431.81	1621.47	1585.36	8.77	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	49.26	49.47	48.15	48.96	1.45	ppb
Thallium	205-1	49.78	50.37	48.70	49.62	1.71	ppb
Tin	118-1	51.50	53.44	52.72	52.55	1.86	ppb
Titanium	47-1	50.75	49.44	50.28	50.16	1.32	ppb
Uranium	238-1	47.22	47.06	46.25	46.85	1.11	ppb
Vanadium	51-2	49.46	50.94	48.45	49.61	2.52	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	97.89	100.39	94.75	97.68	2.89	ppb
Zirconium	90-1	50.17	49.81	50.14	50.04	0.39	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:33:59	DataFile Name :	007CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	49.43	49.77	49.91	49.70	0.50	ppb

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 11:37:28 DataFile Name : 008CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2533.39	2467.74	2498.49	2499.87	1.31	ppb
Antimony	121-1	134.12	131.14	131.06	132.11	1.32	ppb
Arsenic	75-2	123.72	126.17	128.98	126.29	2.08	ppb
Barium	135-1	669.50	653.76	647.70	656.98	1.71	ppb
Barium	137-1	681.11	665.45	660.47	669.01	1.61	ppb
Beryllium	9-1	140.41	134.56	137.75	137.57	2.13	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	136.46	123.74	134.31	131.50	5.18	ppb
Boron	11-1	135.29	130.53	135.69	133.84	2.15	ppb
Cadmium	111-1	134.38	133.36	132.91	133.55	0.56	ppb
Cadmium	106-1	130.26	130.32	133.53	131.37	1.42	ppb
Cadmium	108-1	135.66	134.84	133.06	134.52	0.99	ppb
Calcium	43-1	12611.74	12173.48	11869.28	12218.16	3.05	ppb
Calcium	44-1	12758.30	12372.14	12180.81	12437.08	2.37	ppb
Chromium	52-2	124.07	123.66	123.28	123.67	0.32	ppb
Cobalt	59-2	122.13	120.49	119.62	120.74	1.05	ppb
Copper	63-2	244.56	245.17	241.17	243.63	0.89	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	6402.70	6354.69	6404.02	6387.14	0.44	ppb
Iron	57-2	6393.23	6242.48	6213.79	6283.17	1.53	ppb
Lead	206-1	126.19	123.08	124.55	124.61	1.25	ppb
Lead	207-1	125.83	122.37	122.85	123.68	1.51	ppb
Lead	208-1	126.89	122.99	124.44	124.77	1.58	ppb
Lithium	6-1						%
Magnesium	24-2	12770.65	12602.63	12509.81	12627.70	1.05	ppb
Manganese	55-2	253.80	247.59	247.35	249.58	1.47	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:37:28	DataFile Name :	008CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	129.02	126.87	125.07	126.99	1.56	ppb
Molybdenum	95-1	125.91	124.61	124.66	125.06	0.59	ppb
Molybdenum	96-1	127.30	124.90	124.14	125.45	1.32	ppb
Molybdenum	97-1	127.99	126.37	125.30	126.55	1.07	ppb
Molybdenum	98-1	127.68	125.23	123.03	125.31	1.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	125.05	124.80	123.14	124.33	0.84	ppb
Phosphorus	31-2	2362.44	2558.66	2553.41	2491.50	4.49	ppb
Potassium	39-2	6396.55	6368.87	6228.88	6331.43	1.42	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	170.60	142.42	120.83	144.61	17.26	ppb
Selenium	78-2	114.88	133.91	129.96	126.25	7.96	ppb
Selenium	82-1	131.26	132.61	127.69	130.52	1.95	ppb
Silicon	28-1	146.80	169.06	135.54	150.47	11.34	ppb
Silver	109-1	138.96	135.06	135.20	136.41	1.62	ppb
Silver	107-1	138.86	136.08	135.61	136.85	1.28	ppb
Sodium	23-2	12845.95	12690.30	12646.85	12727.70	0.82	ppb
Strontium	86-1	129.31	127.57	126.72	127.87	1.03	ppb
Strontium	88-1	133.95	131.28	128.43	131.22	2.10	ppb
Sulfur	34-1	3717.12	3246.45	2974.01	3312.53	11.35	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	127.03	124.77	124.77	125.53	1.04	ppb
Thallium	205-1	130.71	125.78	127.79	128.10	1.94	ppb
Tin	118-1	133.73	131.44	131.62	132.26	0.96	ppb
Titanium	47-1	131.46	128.81	127.92	129.40	1.42	ppb
Uranium	238-1	125.56	120.79	120.89	122.41	2.23	ppb
Vanadium	51-2	124.34	123.40	123.04	123.60	0.54	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	243.48	244.77	241.89	243.38	0.59	ppb
Zirconium	90-1	132.66	128.96	130.59	130.74	1.42	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:37:28	DataFile Name :	008CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	129.78	124.73	124.96	126.49	2.26	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:40:54	DataFile Name :	009CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4980.02	4826.47	4926.30	4910.93	1.59	ppb
Antimony	121-1	261.41	268.51	264.31	264.74	1.35	ppb
Arsenic	75-2	253.95	253.41	255.61	254.33	0.45	ppb
Barium	135-1	1315.47	1333.68	1318.57	1322.57	0.74	ppb
Barium	137-1	1305.69	1330.67	1309.59	1315.32	1.02	ppb
Beryllium	9-1	261.41	265.05	264.87	263.78	0.78	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	252.84	256.84	261.35	257.01	1.66	ppb
Boron	11-1	254.37	261.05	263.02	259.48	1.75	ppb
Cadmium	111-1	260.99	263.59	262.79	262.45	0.51	ppb
Cadmium	106-1	264.25	263.09	263.66	263.67	0.22	ppb
Cadmium	108-1	267.22	264.70	258.78	263.57	1.64	ppb
Calcium	43-1	24250.16	24133.20	24122.72	24168.69	0.29	ppb
Calcium	44-1	24610.26	23887.08	24296.98	24264.78	1.49	ppb
Chromium	52-2	251.33	247.94	248.46	249.25	0.73	ppb
Cobalt	59-2	243.96	244.99	246.98	245.31	0.63	ppb
Copper	63-2	491.28	493.51	489.64	491.48	0.40	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	12680.75	12781.40	12732.41	12731.52	0.40	ppb
Iron	57-2	12704.45	12770.62	12615.40	12696.83	0.61	ppb
Lead	206-1	246.54	246.50	243.49	245.51	0.71	ppb
Lead	207-1	244.67	245.18	243.06	244.30	0.45	ppb
Lead	208-1	249.18	249.13	247.46	248.59	0.39	ppb
Lithium	6-1						%
Magnesium	24-2	25371.68	25574.16	24927.56	25291.13	1.31	ppb
Manganese	55-2	500.52	492.41	494.79	495.91	0.84	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:40:54	DataFile Name :	009CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	253.48	254.59	253.01	253.69	0.32	ppb
Molybdenum	95-1	245.69	245.03	244.75	245.16	0.20	ppb
Molybdenum	96-1	248.05	247.82	249.02	248.29	0.26	ppb
Molybdenum	97-1	247.29	249.24	248.97	248.50	0.42	ppb
Molybdenum	98-1	253.60	252.72	254.59	253.64	0.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	249.65	250.68	247.81	249.38	0.58	ppb
Phosphorus	31-2	5504.26	5548.89	5361.11	5471.42	1.79	ppb
Potassium	39-2	12623.47	12558.11	12529.37	12570.32	0.38	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	258.24	310.39	255.18	274.60	11.30	ppb
Selenium	78-2	242.92	293.67	285.89	274.16	9.97	ppb
Selenium	82-1	256.00	255.22	257.41	256.21	0.43	ppb
Silicon	28-1	274.09	269.68	275.67	273.15	1.14	ppb
Silver	109-1	270.20	273.52	270.01	271.25	0.73	ppb
Silver	107-1	271.95	277.57	270.95	273.49	1.30	ppb
Sodium	23-2	25999.51	26212.99	25834.32	26015.61	0.73	ppb
Strontium	86-1	249.61	250.75	251.45	250.60	0.37	ppb
Strontium	88-1	257.13	257.33	255.18	256.55	0.46	ppb
Sulfur	34-1	5656.71	5341.93	5314.75	5437.80	3.50	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	251.11	257.36	252.12	253.53	1.32	ppb
Thallium	205-1	254.12	255.68	249.82	253.20	1.20	ppb
Tin	118-1	258.33	266.44	260.88	261.88	1.58	ppb
Titanium	47-1	254.61	249.31	252.79	252.23	1.07	ppb
Uranium	238-1	243.25	242.63	240.49	242.12	0.60	ppb
Vanadium	51-2	248.38	248.70	249.19	248.75	0.16	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	487.72	495.46	489.17	490.78	0.84	ppb
Zirconium	90-1	253.38	252.49	253.73	253.20	0.25	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:40:54	DataFile Name :	009CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	248.74	248.22	249.93	248.96	0.35	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:44:11	DataFile Name :	010CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9671.85	9804.92	9928.17	9801.65	1.31	ppb
Antimony	121-1	501.95	508.97	508.27	506.39	0.76	ppb
Arsenic	75-2	509.46	509.69	499.95	506.36	1.10	ppb
Barium	135-1	2520.55	2532.65	2525.40	2526.20	0.24	ppb
Barium	137-1	2512.03	2519.08	2526.05	2519.05	0.28	ppb
Beryllium	9-1	512.09	503.40	500.79	505.43	1.17	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	509.76	497.83	505.64	504.41	1.20	ppb
Boron	11-1	505.01	501.69	513.31	506.67	1.18	ppb
Cadmium	111-1	502.73	511.38	505.55	506.55	0.87	ppb
Cadmium	106-1	504.93	517.36	513.47	511.92	1.24	ppb
Cadmium	108-1	507.26	512.14	506.96	508.79	0.57	ppb
Calcium	43-1	47891.74	48046.87	47370.75	47769.79	0.74	ppb
Calcium	44-1	48289.52	47804.80	47923.99	48006.10	0.53	ppb
Chromium	52-2	504.80	509.55	512.69	509.01	0.78	ppb
Cobalt	59-2	502.72	506.06	508.33	505.70	0.56	ppb
Copper	63-2	1008.69	1022.33	1036.36	1022.46	1.35	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	26085.98	26139.64	26594.92	26273.51	1.06	ppb
Iron	57-2	25860.28	26418.77	26412.59	26230.55	1.22	ppb
Lead	206-1	514.44	505.53	503.29	507.75	1.16	ppb
Lead	207-1	515.02	506.29	506.13	509.15	1.00	ppb
Lead	208-1	509.30	504.25	503.39	505.65	0.63	ppb
Lithium	6-1						%
Magnesium	24-2	51558.78	51589.65	52066.14	51738.19	0.55	ppb
Manganese	55-2	1014.21	1028.82	1018.73	1020.58	0.73	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:44:11	DataFile Name :	010CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	506.59	513.68	503.29	507.85	1.04	ppb
Molybdenum	95-1	512.60	512.67	500.76	508.68	1.35	ppb
Molybdenum	96-1	516.56	512.88	506.07	511.83	1.04	ppb
Molybdenum	97-1	504.31	507.29	501.62	504.41	0.56	ppb
Molybdenum	98-1	510.20	516.08	502.79	509.69	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	508.27	518.02	517.96	514.75	1.09	ppb
Phosphorus	31-2	11132.91	9327.13	10201.40	10220.48	8.84	ppb
Potassium	39-2	24531.39	24534.40	24794.05	24619.95	0.61	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	457.12	526.40	548.94	510.82	9.37	ppb
Selenium	78-2	460.65	512.32	480.47	484.48	5.38	ppb
Selenium	82-1	505.48	515.53	509.35	510.12	0.99	ppb
Silicon	28-1	514.55	520.77	520.40	518.57	0.67	ppb
Silver	109-1	511.77	515.77	511.54	513.03	0.46	ppb
Silver	107-1	519.47	516.47	512.45	516.13	0.68	ppb
Sodium	23-2	50991.72	51858.74	52029.75	51626.74	1.08	ppb
Strontium	86-1	502.02	504.60	498.82	501.81	0.58	ppb
Strontium	88-1	506.93	511.01	501.94	506.63	0.90	ppb
Sulfur	34-1	9715.54	9624.98	9436.52	9592.35	1.48	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	518.44	507.48	503.78	509.90	1.49	ppb
Thallium	205-1	510.15	506.09	499.03	505.09	1.11	ppb
Tin	118-1	509.99	510.60	515.31	511.97	0.57	ppb
Titanium	47-1	503.25	500.67	497.65	500.52	0.56	ppb
Uranium	238-1	488.87	490.38	492.02	490.42	0.32	ppb
Vanadium	51-2	502.97	512.23	509.81	508.34	0.94	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	1019.72	1029.93	1031.26	1026.97	0.61	ppb
Zirconium	90-1	505.15	508.79	502.31	505.41	0.64	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:44:11	DataFile Name :	010CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	505.86	509.16	507.86	507.63	0.33	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:47:26	DataFile Name :	011CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19069.60	19089.71	19198.76	19119.36	0.36	ppb
Antimony	121-1	986.65	999.00	990.61	992.09	0.64	ppb
Arsenic	75-2	994.97	990.02	1001.58	995.52	0.58	ppb
Barium	135-1	4913.25	4999.09	4980.34	4964.23	0.91	ppb
Barium	137-1	4905.43	5010.99	4987.53	4967.99	1.12	ppb
Beryllium	9-1	982.57	993.33	1000.06	991.99	0.89	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	989.16	1002.55	993.61	995.11	0.69	ppb
Boron	11-1	986.52	991.79	1000.82	993.04	0.73	ppb
Cadmium	111-1	978.25	1006.72	992.05	992.34	1.43	ppb
Cadmium	106-1	992.70	987.51	988.35	989.52	0.28	ppb
Cadmium	108-1	981.26	1006.74	984.29	990.76	1.40	ppb
Calcium	43-1	98019.79	96465.86	98618.15	97701.27	1.14	ppb
Calcium	44-1	96745.91	95240.53	97662.51	96549.65	1.27	ppb
Chromium	52-2	990.71	995.84	1001.08	995.88	0.52	ppb
Cobalt	59-2	996.18	1000.36	1000.23	998.92	0.24	ppb
Copper	63-2	1983.79	1996.07	1995.61	1991.83	0.35	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	51362.61	51675.59	51270.36	51436.19	0.41	ppb
Iron	57-2	50980.58	51271.75	51308.00	51186.77	0.35	ppb
Lead	206-1	1001.63	990.57	999.79	997.33	0.59	ppb
Lead	207-1	995.07	992.56	1003.61	997.08	0.58	ppb
Lead	208-1	996.08	993.98	1002.75	997.60	0.46	ppb
Lithium	6-1						%
Magnesium	24-2	98258.67	99822.91	100719.59	99600.39	1.25	ppb
Manganese	55-2	1976.07	1996.76	1999.52	1990.79	0.64	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:47:26	DataFile Name :	011CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	999.82	979.43	1005.52	994.93	1.38	ppb
Molybdenum	95-1	996.18	983.02	1011.49	996.90	1.43	ppb
Molybdenum	96-1	990.38	987.98	1005.05	994.47	0.93	ppb
Molybdenum	97-1	1001.65	991.15	1001.12	997.97	0.59	ppb
Molybdenum	98-1	998.59	988.32	995.74	994.22	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	989.84	994.71	994.09	992.88	0.27	ppb
Phosphorus	31-2	19417.98	19790.98	20109.07	19772.68	1.75	ppb
Potassium	39-2	47457.12	47679.38	47370.79	47502.43	0.34	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	964.03	908.00	1086.01	986.01	9.23	ppb
Selenium	78-2	1023.04	976.72	1005.03	1001.60	2.33	ppb
Selenium	82-1	998.61	982.90	996.22	992.58	0.85	ppb
Silicon	28-1	994.23	972.25	976.11	980.87	1.20	ppb
Silver	109-1	969.81	1000.02	989.68	986.51	1.56	ppb
Silver	107-1	971.29	993.76	987.87	984.30	1.18	ppb
Sodium	23-2	98294.50	99007.86	98651.00	98651.12	0.36	ppb
Strontium	86-1	988.21	999.19	1008.27	998.56	1.01	ppb
Strontium	88-1	997.99	984.42	1000.21	994.21	0.86	ppb
Sulfur	34-1	20417.00	19452.64	20021.00	19963.54	2.43	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	1003.07	992.63	986.76	994.15	0.83	ppb
Thallium	205-1	999.76	988.41	1000.68	996.29	0.69	ppb
Tin	118-1	985.04	998.49	986.51	990.01	0.75	ppb
Titanium	47-1	1014.48	980.77	1000.62	998.63	1.70	ppb
Uranium	238-1	1006.53	997.17	1018.02	1007.24	1.04	ppb
Vanadium	51-2	989.02	1003.89	996.11	996.34	0.75	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	1962.88	2011.04	1995.38	1989.76	1.23	ppb
Zirconium	90-1	997.48	986.71	1003.13	995.77	0.84	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:47:26	DataFile Name :	011CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	994.26	985.60	1008.97	996.28	1.19	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:50:34	DataFile Name :	012CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100956.69	98815.30	100828.66	100200.21	1.20	ppb
Antimony	121-1	1.22	1.20	1.21	1.21	0.87	ppb
Arsenic	75-2	0.21	0.35	0.37	0.31	27.90	ppb
Barium	135-1	1.40	1.28	1.28	1.32	5.37	ppb
Barium	137-1	1.27	1.45	1.33	1.35	6.75	ppb
Beryllium	9-1	0.12	0.19	0.13	0.15	25.77	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	36.48	34.47	32.58	34.51	5.65	ppb
Boron	11-1	37.12	34.13	33.19	34.81	5.89	ppb
Cadmium	111-1	0.01	0.01	0.01	0.01	17.08	ppb
Cadmium	106-1	-0.57	-1.02	-1.01	-0.87		ppb
Cadmium	108-1	0.19	0.09	0.03	0.10	73.36	ppb
Calcium	43-1	496303.98	500726.34	505169.53	500733.29	0.89	ppb
Calcium	44-1	501693.52	496307.26	504784.99	500928.59	0.86	ppb
Chromium	52-2	14.27	13.71	14.32	14.10	2.41	ppb
Cobalt	59-2	1.17	1.10	1.18	1.15	3.60	ppb
Copper	63-2	2.23	2.01	2.13	2.13	5.23	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	251992.56	245942.13	250773.98	249569.56	1.28	ppb
Iron	57-2	251310.95	247574.77	250000.08	249628.60	0.76	ppb
Lead	206-1	1.08	1.11	1.08	1.09	1.46	ppb
Lead	207-1	1.05	1.06	1.03	1.05	1.10	ppb
Lead	208-1	1.07	1.06	1.06	1.06	0.43	ppb
Lithium	6-1						%
Magnesium	24-2	505697.41	490573.98	503390.09	499887.16	1.63	ppb
Manganese	55-2	7.57	7.27	7.21	7.35	2.65	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:50:34	DataFile Name :	012CAL5_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.86	0.78	0.81	0.81	5.07	ppb
Molybdenum	95-1	2.21	2.22	2.22	2.21	0.36	ppb
Molybdenum	96-1	2.32	2.45	2.36	2.38	2.84	ppb
Molybdenum	97-1	2.18	2.41	2.22	2.27	5.49	ppb
Molybdenum	98-1	2.27	2.28	2.30	2.28	0.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.30	9.14	10.05	9.50	5.09	ppb
Phosphorus	31-2	32.58	11.23	53.31	32.37	64.98	ppb
Potassium	39-2	250791.75	247591.66	253211.05	250531.48	1.13	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.56	-0.95	0.68	0.43	297.20	ppb
Selenium	82-1	1.09	1.07	0.92	1.03	9.29	ppb
Silicon	28-1	31.26	35.01	37.94	34.73	9.64	ppb
Silver	109-1	0.09	0.09	0.10	0.10	6.39	ppb
Silver	107-1	0.12	0.11	0.08	0.10	21.39	ppb
Sodium	23-2	506203.08	492546.35	501397.44	500048.96	1.39	ppb
Strontium	86-1	34.65	33.63	34.89	34.39	1.96	ppb
Strontium	88-1	34.68	35.06	35.16	34.97	0.73	ppb
Sulfur	34-1	-1322.36	-1106.38	-932.30	-1120.35		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.37	0.34	0.32	0.34	6.84	ppb
Thallium	205-1	0.38	0.37	0.34	0.36	6.42	ppb
Tin	118-1	1.06	1.01	0.97	1.01	4.10	ppb
Titanium	47-1	0.58	0.46	0.51	0.52	11.65	ppb
Uranium	238-1	0.07	0.08	0.07	0.08	8.07	ppb
Vanadium	51-2	0.22	0.26	0.17	0.22	20.65	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	4.20	3.88	3.73	3.93	6.23	ppb
Zirconium	90-1	0.12	0.11	0.12	0.12	5.00	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:50:34	DataFile Name :	012CALS_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.18	0.12	0.11	0.14	29.14	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:10:29	DataFile Name :	016ICV01_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	520.85	455.59	505.11	493.85	6.90	ppb
Antimony	121-1	200.46	200.64	201.68	200.93	0.33	ppb
Arsenic	75-2	194.13	195.66	198.26	196.02	1.07	ppb
Barium	135-1	97.72	98.62	98.22	98.19	0.46	ppb
Barium	137-1	99.69	98.47	99.72	99.29	0.72	ppb
Beryllium	9-1	94.52	94.15	96.56	95.07	1.36	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	506.70	515.32	548.35	523.46	4.20	ppb
Boron	11-1	516.37	526.83	542.95	528.72	2.53	ppb
Cadmium	111-1	103.09	103.12	102.54	102.91	0.32	ppb
Cadmium	106-1	156.84	151.87	155.38	154.70	1.65	ppb
Cadmium	108-1	132.60	132.57	130.93	132.03	0.72	ppb
Calcium	43-1	2024.19	2070.19	2128.48	2074.28	2.52	ppb
Calcium	44-1	2018.15	2034.73	2042.67	2031.85	0.62	ppb
Chromium	52-2	97.87	95.43	98.03	97.11	1.50	ppb
Cobalt	59-2	98.72	96.99	99.57	98.43	1.34	ppb
Copper	63-2	101.40	97.96	100.81	100.06	1.84	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	1019.08	1012.53	1018.54	1016.72	0.36	ppb
Iron	57-2	987.28	962.31	999.27	982.95	1.92	ppb
Lead	206-1	194.21	194.49	196.81	195.17	0.73	ppb
Lead	207-1	183.95	185.26	187.93	185.71	1.09	ppb
Lead	208-1	192.55	195.82	195.52	194.63	0.93	ppb
Lithium	6-1						%
Magnesium	24-2	1213.40	1192.38	1216.50	1207.43	1.09	ppb
Manganese	55-2	100.37	97.38	100.93	99.56	1.92	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:10:29	DataFile Name :	016ICV01_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	499.73	498.90	495.37	498.00	0.47	ppb
Molybdenum	95-1	501.64	492.21	502.20	498.68	1.13	ppb
Molybdenum	96-1	505.94	505.94	511.79	507.89	0.67	ppb
Molybdenum	97-1	489.87	490.83	494.23	491.64	0.47	ppb
Molybdenum	98-1	497.46	502.22	502.31	500.67	0.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.40	98.49	101.74	100.54	1.78	ppb
Phosphorus	31-2	11.44	-9.32	-9.32	-2.40		ppb
Potassium	39-2	1999.38	1843.09	1948.71	1930.39	4.13	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	215.09	129.68	211.45	185.41	26.05	ppb
Selenium	78-2	223.82	194.33	202.00	206.72	7.40	ppb
Selenium	82-1	200.23	197.48	202.40	200.03	1.23	ppb
Silicon	28-1	420.89	437.09	433.68	430.55	1.98	ppb
Silver	109-1	100.93	101.09	100.83	100.95	0.13	ppb
Silver	107-1	101.80	100.55	102.24	101.53	0.86	ppb
Sodium	23-2	2023.38	1952.28	1991.08	1988.91	1.79	ppb
Strontium	86-1	493.67	492.06	495.36	493.70	0.34	ppb
Strontium	88-1	502.17	502.44	503.37	502.66	0.13	ppb
Sulfur	34-1	-1691.80	-1696.83	-1619.61	-1669.41		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	195.46	196.56	197.32	196.44	0.48	ppb
Thallium	205-1	203.01	204.06	203.81	203.63	0.27	ppb
Tin	118-1	516.44	514.96	515.71	515.70	0.14	ppb
Titanium	47-1	490.14	495.83	492.88	492.95	0.58	ppb
Uranium	238-1	506.21	509.74	509.54	508.50	0.39	ppb
Vanadium	51-2	97.24	95.23	98.49	96.99	1.70	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	199.28	196.99	200.01	198.76	0.79	ppb
Zirconium	90-1	490.89	494.24	494.79	493.31	0.43	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:10:29	DataFile Name :	016ICV01_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	495.62	494.87	491.76	494.08	0.41	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:13:34	DataFile Name :	017CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.39	-1.40	-1.40	-1.40		ppb
Antimony	121-1	0.11	0.13	0.13	0.12	10.94	ppb
Arsenic	75-2	0.05	0.03	0.01	0.03	67.00	ppb
Barium	135-1	-0.02	0.00	0.00	-0.01		ppb
Barium	137-1	-0.01	0.00	0.00	0.00		ppb
Beryllium	9-1	0.09	0.01	0.03	0.05	93.83	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	21.13	18.32	17.82	19.09	9.35	ppb
Boron	11-1	18.72	17.35	17.38	17.82	4.37	ppb
Cadmium	111-1	-0.10	-0.02	-0.13	-0.08		ppb
Cadmium	106-1	-1.31	-0.22	-1.87	-1.13		ppb
Cadmium	108-1	0.04	0.01	0.04	0.03	69.61	ppb
Calcium	43-1	-27.40	-33.26	-36.28	-32.31		ppb
Calcium	44-1	-6.28	-9.95	-6.84	-7.69		ppb
Chromium	52-2	0.02	0.02	0.00	0.01	104.05	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.04	0.02	0.02	0.03	39.81	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	0.04	-0.33	0.20	-0.03		ppb
Iron	57-2	-2.08	1.17	-0.86	-0.59		ppb
Lead	206-1	0.04	0.06	0.05	0.05	21.85	ppb
Lead	207-1	0.05	0.05	0.06	0.06	14.02	ppb
Lead	208-1	0.05	0.05	0.04	0.05	5.66	ppb
Lithium	6-1						%
Magnesium	24-2	-0.67	1.43	0.83	0.53	203.65	ppb
Manganese	55-2	-0.04	0.06	0.03	0.01	373.73	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:13:34	DataFile Name :	017CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.05	0.04	0.05	0.05	15.26	ppb
Molybdenum	95-1	0.08	0.08	0.09	0.09	5.88	ppb
Molybdenum	96-1	0.09	0.08	0.08	0.08	7.45	ppb
Molybdenum	97-1	0.13	0.06	0.06	0.08	48.50	ppb
Molybdenum	98-1	0.10	0.09	0.09	0.09	6.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.03	0.02	-0.01		ppb
Phosphorus	31-2	11.63	-9.32	-9.32	-2.34		ppb
Potassium	39-2	-11.48	-15.26	-1.91	-9.55		ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.93	-1.77	-0.93	-1.21		ppb
Selenium	82-1	1.12	-0.35	-0.23	0.18	454.61	ppb
Silicon	28-1	-20.55	-20.71	-21.32	-20.86		ppb
Silver	109-1	0.02	0.02	0.01	0.01	18.51	ppb
Silver	107-1	0.01	0.01	0.02	0.02	21.10	ppb
Sodium	23-2	25.65	31.58	24.92	27.39	13.34	ppb
Strontium	86-1	0.00	0.02	0.02	0.01	110.42	ppb
Strontium	88-1	0.01	0.01	0.01	0.01	18.92	ppb
Sulfur	34-1	-1715.40	-1595.61	-1444.69	-1585.24		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.05	0.06	0.05	0.05	8.02	ppb
Thallium	205-1	0.06	0.05	0.05	0.06	4.30	ppb
Tin	118-1	0.29	0.31	0.25	0.28	10.25	ppb
Titanium	47-1	-0.03	-0.04	0.01	-0.02		ppb
Uranium	238-1	0.03	0.03	0.02	0.03	8.50	ppb
Vanadium	51-2	0.01	0.00	-0.01	0.00		ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	-0.27	-0.27	0.10	-0.15		ppb
Zirconium	90-1	0.02	0.02	0.01	0.02	16.36	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:13:34	DataFile Name :	017CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.01	0.03	0.02	0.02	53.86	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:16:44	DataFile Name :	018ICSA01_P8101017 M

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87940.91	86589.52	87257.52	87262.65	0.77	ppb
Antimony	121-1	1.09	1.20	1.20	1.17	5.44	ppb
Arsenic	75-2	0.16	0.22	0.27	0.22	25.94	ppb
Barium	135-1	1.55	1.56	1.48	1.53	3.01	ppb
Barium	137-1	1.55	1.49	1.54	1.52	2.06	ppb
Beryllium	9-1	0.21	0.25	0.28	0.25	13.34	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	15.91	14.33	15.71	15.32	5.62	ppb
Boron	11-1	14.91	14.50	14.56	14.66	1.52	ppb
Cadmium	111-1	0.22	0.14	0.17	0.18	22.43	ppb
Cadmium	106-1	-1.25	-1.81	-1.19	-1.42		ppb
Cadmium	108-1	6.59	6.28	7.14	6.67	6.47	ppb
Calcium	43-1	95484.09	96629.27	95491.60	95868.32	0.69	ppb
Calcium	44-1	94852.58	94415.08	94131.28	94466.31	0.38	ppb
Chromium	52-2	19.14	19.38	19.30	19.27	0.64	ppb
Cobalt	59-2	1.09	1.12	1.14	1.12	2.17	ppb
Copper	63-2	7.42	7.22	7.45	7.36	1.71	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	98260.41	96218.81	97664.22	97381.15	1.08	ppb
Iron	57-2	96027.26	95370.86	96962.43	96120.18	0.83	ppb
Lead	206-1	5.20	5.09	5.03	5.11	1.75	ppb
Lead	207-1	4.62	4.43	4.44	4.50	2.28	ppb
Lead	208-1	4.89	4.73	4.71	4.78	2.04	ppb
Lithium	6-1						%
Magnesium	24-2	96982.78	95564.41	97730.39	96759.19	1.14	ppb
Manganese	55-2	7.76	7.04	7.66	7.49	5.24	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:16:44	DataFile Name :	018ICSA01_P8101017 M

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	576.98	576.93	570.82	574.91	0.62	ppb
Molybdenum	95-1	1862.38	1834.47	1833.80	1843.55	0.88	ppb
Molybdenum	96-1	1572.98	1545.01	1535.88	1551.29	1.25	ppb
Molybdenum	97-1	1867.31	1862.88	1860.62	1863.60	0.18	ppb
Molybdenum	98-1	1875.98	1856.49	1858.01	1863.49	0.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.83	5.46	4.85	5.05	7.10	ppb
Phosphorus	31-2	97451.64	96853.04	94261.84	96188.84	1.76	ppb
Potassium	39-2	96567.11	94568.92	96719.78	95951.94	1.25	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	5.07	0.00	1.69	173.21	ppb
Selenium	78-2	-1.77	-1.77	-0.92	-1.49		ppb
Selenium	82-1	0.39	0.37	0.68	0.48	36.35	ppb
Silicon	28-1	11.32	11.06	20.60	14.33	37.91	ppb
Silver	109-1	0.17	0.17	0.16	0.17	3.89	ppb
Silver	107-1	0.16	0.18	0.17	0.17	4.65	ppb
Sodium	23-2	96755.94	96541.47	97542.98	96946.79	0.54	ppb
Strontium	86-1	32.73	32.61	31.89	32.41	1.41	ppb
Strontium	88-1	33.03	33.06	32.85	32.98	0.34	ppb
Sulfur	34-1	78839.65	78014.97	79473.04	78775.89	0.93	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.12	0.11	0.15	0.13	12.67	ppb
Thallium	205-1	0.11	0.13	0.15	0.13	14.04	ppb
Tin	118-1	0.30	0.26	0.28	0.28	7.89	ppb
Titanium	47-1	1933.07	1931.78	1917.74	1927.53	0.44	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	12.28	ppb
Vanadium	51-2	0.18	0.19	0.12	0.16	24.94	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	10.49	10.73	10.14	10.45	2.81	ppb
Zirconium	90-1	0.09	0.06	0.07	0.07	15.88	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:16:44	DataFile Name :	018ICSA01_P8101017 M

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.08	0.05	0.09	0.07	33.10	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:19:50	DataFile Name :	019ICSB_P8101017 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86905.87	87525.91	87840.48	87424.09	0.54	ppb
Antimony	121-1	19.76	19.47	20.00	19.74	1.35	ppb
Arsenic	75-2	18.72	18.89	17.48	18.36	4.20	ppb
Barium	135-1	20.55	20.51	20.91	20.65	1.06	ppb
Barium	137-1	20.81	20.73	20.52	20.69	0.74	ppb
Beryllium	9-1	20.23	19.67	19.44	19.78	2.06	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	84.37	83.82	87.72	85.30	2.48	ppb
Boron	11-1	82.47	85.73	86.66	84.95	2.59	ppb
Cadmium	111-1	19.13	18.60	19.03	18.92	1.48	ppb
Cadmium	106-1	23.03	22.95	22.16	22.71	2.11	ppb
Cadmium	108-1	28.56	30.59	29.97	29.71	3.51	ppb
Calcium	43-1	96472.59	97284.81	94277.04	96011.48	1.62	ppb
Calcium	44-1	95154.57	96331.24	94607.02	95364.28	0.92	ppb
Chromium	52-2	37.05	37.88	38.30	37.75	1.68	ppb
Cobalt	59-2	19.27	19.33	19.55	19.38	0.77	ppb
Copper	63-2	24.79	25.72	25.73	25.41	2.13	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	95663.15	97051.28	97807.73	96840.72	1.12	ppb
Iron	57-2	94587.23	96561.04	95854.66	95667.64	1.05	ppb
Lead	206-1	23.63	24.09	23.88	23.87	0.97	ppb
Lead	207-1	21.90	21.84	21.95	21.90	0.26	ppb
Lead	208-1	22.70	22.93	22.87	22.83	0.53	ppb
Lithium	6-1						%
Magnesium	24-2	95677.82	97202.80	97357.71	96746.11	0.96	ppb
Manganese	55-2	26.69	26.72	27.17	26.86	1.01	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:19:50	DataFile Name :	019ICSB_P8101017 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	637.01	648.43	628.00	637.81	1.60	ppb
Molybdenum	95-1	1909.64	1933.91	1885.27	1909.61	1.27	ppb
Molybdenum	96-1	1591.42	1655.18	1605.77	1617.46	2.07	ppb
Molybdenum	97-1	1924.86	1953.12	1930.82	1936.27	0.77	ppb
Molybdenum	98-1	1901.85	1956.86	1912.90	1923.87	1.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.54	23.70	23.36	23.53	0.71	ppb
Phosphorus	31-2	95571.82	95523.95	96578.99	95891.58	0.62	ppb
Potassium	39-2	96037.13	98224.66	96464.52	96908.77	1.20	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	24.84	25.10	35.19	28.38	20.80	ppb
Selenium	78-2	24.50	16.47	14.85	18.61	27.76	ppb
Selenium	82-1	18.86	18.43	18.30	18.53	1.60	ppb
Silicon	28-1	84.00	86.72	83.28	84.67	2.15	ppb
Silver	109-1	18.07	18.02	17.87	17.99	0.59	ppb
Silver	107-1	18.13	18.15	18.23	18.17	0.29	ppb
Sodium	23-2	94557.02	96843.00	97177.22	96192.41	1.48	ppb
Strontium	86-1	93.56	94.61	93.34	93.84	0.73	ppb
Strontium	88-1	96.92	98.61	96.70	97.41	1.07	ppb
Sulfur	34-1	80129.73	79775.82	79334.42	79746.66	0.50	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	19.25	19.20	19.51	19.32	0.85	ppb
Thallium	205-1	19.30	19.32	19.59	19.40	0.82	ppb
Tin	118-1	63.15	62.70	63.82	63.22	0.90	ppb
Titanium	47-1	2025.40	2026.71	1992.06	2014.72	0.97	ppb
Uranium	238-1	60.68	61.30	61.83	61.27	0.94	ppb
Vanadium	51-2	18.00	18.20	18.73	18.31	2.05	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	28.51	27.24	29.03	28.26	3.27	ppb
Zirconium	90-1	61.16	62.34	61.87	61.79	0.96	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:19:50	DataFile Name :	019ICSB_P8101017 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	60.72	61.20	60.88	60.93	0.40	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV36	Instrumnet Name :	P8
Client Sample ID :	CCV36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:22:55	DataFile Name :	020CCV_P8101017 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49018.51	49785.91	48724.32	49176.25	1.11	ppb
Antimony	121-1	500.88	499.79	491.90	497.52	0.98	ppb
Arsenic	75-2	487.30	484.94	490.62	487.62	0.59	ppb
Barium	135-1	2559.51	2560.31	2559.57	2559.80	0.02	ppb
Barium	137-1	2540.88	2547.26	2542.64	2543.59	0.13	ppb
Beryllium	9-1	483.15	481.43	473.33	479.30	1.09	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	496.88	515.65	505.56	506.03	1.86	ppb
Boron	11-1	491.86	507.92	505.14	501.64	1.71	ppb
Cadmium	111-1	480.90	475.54	477.05	477.83	0.58	ppb
Cadmium	106-1	492.71	496.87	496.60	495.39	0.47	ppb
Cadmium	108-1	483.89	483.37	478.93	482.06	0.57	ppb
Calcium	43-1	243191.15	243722.72	241541.94	242818.60	0.47	ppb
Calcium	44-1	242357.81	247325.28	241798.06	243827.05	1.25	ppb
Chromium	52-2	487.86	493.21	490.18	490.41	0.55	ppb
Cobalt	59-2	466.42	468.98	467.07	467.49	0.28	ppb
Copper	63-2	935.76	941.58	930.93	936.09	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	123245.73	123274.06	122557.33	123025.71	0.33	ppb
Iron	57-2	124454.13	124922.16	124500.36	124625.55	0.21	ppb
Lead	206-1	498.06	504.77	498.42	500.42	0.75	ppb
Lead	207-1	496.09	510.52	497.71	501.44	1.58	ppb
Lead	208-1	498.84	502.68	496.00	499.18	0.67	ppb
Lithium	6-1						%
Magnesium	24-2	246884.31	250228.62	247755.99	248289.64	0.70	ppb
Manganese	55-2	977.79	986.27	984.97	983.01	0.46	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV36	Instrumnet Name :	P8
Client Sample ID :	CCV36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:22:55	DataFile Name :	020CCV_P8101017 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	528.03	517.10	510.83	518.65	1.68	ppb
Molybdenum	95-1	515.65	512.08	512.37	513.37	0.39	ppb
Molybdenum	96-1	518.14	513.91	511.95	514.67	0.61	ppb
Molybdenum	97-1	514.03	510.78	500.60	508.47	1.38	ppb
Molybdenum	98-1	523.26	516.37	512.12	517.25	1.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	469.56	475.30	469.33	471.40	0.72	ppb
Phosphorus	31-2	9735.72	9752.92	10486.30	9991.65	4.29	ppb
Potassium	39-2	124560.43	125154.41	124765.22	124826.69	0.24	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	445.89	515.41	563.97	508.42	11.67	ppb
Selenium	78-2	483.24	512.45	510.64	502.11	3.26	ppb
Selenium	82-1	491.34	488.75	483.13	487.74	0.86	ppb
Silicon	28-1	514.37	532.43	522.79	523.20	1.73	ppb
Silver	109-1	493.84	486.94	485.84	488.87	0.89	ppb
Silver	107-1	491.82	486.18	486.06	488.02	0.68	ppb
Sodium	23-2	249489.50	248194.88	245863.26	247849.21	0.74	ppb
Strontium	86-1	525.06	522.43	515.36	520.95	0.96	ppb
Strontium	88-1	528.51	525.15	516.80	523.48	1.15	ppb
Sulfur	34-1	9024.57	9538.94	8946.65	9170.05	3.51	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	499.05	500.21	496.38	498.55	0.39	ppb
Thallium	205-1	494.72	497.55	491.70	494.66	0.59	ppb
Tin	118-1	521.36	513.47	512.69	515.84	0.93	ppb
Titanium	47-1	506.55	512.84	501.70	507.03	1.10	ppb
Uranium	238-1	513.62	517.46	512.51	514.53	0.51	ppb
Vanadium	51-2	486.78	491.48	488.25	488.84	0.49	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	948.73	949.45	953.49	950.56	0.27	ppb
Zirconium	90-1	521.81	514.91	507.25	514.66	1.42	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV36	Instrumnet Name :	P8
Client Sample ID :	CCV36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:22:55	DataFile Name :	020CCV_P8101017 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	522.92	513.23	514.71	516.95	1.01	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB36	Instrumnet Name :	P8
Client Sample ID :	CCB36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:25:54	DataFile Name :	021CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.77	1.64	7.53	2.13	242.43	ppb
Antimony	121-1	0.24	0.22	0.27	0.24	10.13	ppb
Arsenic	75-2	0.07	0.07	0.03	0.05	41.86	ppb
Barium	135-1	0.06	0.06	0.11	0.08	36.87	ppb
Barium	137-1	0.03	0.06	0.08	0.06	50.75	ppb
Beryllium	9-1	0.12	0.10	0.03	0.08	54.92	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	16.19	16.05	15.35	15.87	2.84	ppb
Boron	11-1	17.65	17.14	15.04	16.61	8.33	ppb
Cadmium	111-1	-0.04	-0.11	-0.10	-0.08		ppb
Cadmium	106-1	-0.74	-1.74	-1.70	-1.39		ppb
Cadmium	108-1	0.00	0.07	0.04	0.04	87.08	ppb
Calcium	43-1	-26.93	-25.07	-21.45	-24.48		ppb
Calcium	44-1	3.01	1.31	6.16	3.50	70.46	ppb
Chromium	52-2	0.13	-0.02	-0.12	0.00		ppb
Cobalt	59-2	-0.01	-0.01	0.00	0.00		ppb
Copper	63-2	0.10	0.09	0.06	0.08	25.76	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	3.53	3.36	2.83	3.24	11.31	ppb
Iron	57-2	2.28	3.43	2.58	2.76	21.64	ppb
Lead	206-1	0.14	0.14	0.12	0.13	6.89	ppb
Lead	207-1	0.13	0.14	0.15	0.14	4.22	ppb
Lead	208-1	0.13	0.13	0.14	0.13	1.45	ppb
Lithium	6-1						%
Magnesium	24-2	6.34	8.05	6.49	6.96	13.59	ppb
Manganese	55-2	0.05	0.00	0.03	0.03	84.09	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB36	Instrumnet Name :	P8
Client Sample ID :	CCB36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:25:54	DataFile Name :	021CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.09	0.10	0.07	0.09	15.49	ppb
Molybdenum	95-1	0.18	0.17	0.14	0.16	11.71	ppb
Molybdenum	96-1	0.19	0.15	0.15	0.16	14.60	ppb
Molybdenum	97-1	0.20	0.18	0.14	0.17	16.77	ppb
Molybdenum	98-1	0.21	0.18	0.20	0.19	8.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.02	0.01	0.00	455.93	ppb
Phosphorus	31-2	12.54	55.21	-9.32	19.48	168.52	ppb
Potassium	39-2	21.46	21.50	20.74	21.24	2.01	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.03	-0.09	-0.93	-0.35		ppb
Selenium	82-1	0.20	-0.54	0.39	0.02	3114.01	ppb
Silicon	28-1	-18.38	-19.95	-19.30	-19.21		ppb
Silver	109-1	0.06	0.06	0.07	0.06	8.78	ppb
Silver	107-1	0.05	0.07	0.06	0.06	17.02	ppb
Sodium	23-2	70.32	74.34	70.39	71.68	3.21	ppb
Strontium	86-1	-0.01	-0.01	0.02	0.00		ppb
Strontium	88-1	0.01	0.00	0.01	0.01	61.77	ppb
Sulfur	34-1	-1485.70	-1477.03	-1279.33	-1414.02		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.10	0.11	0.11	0.11	9.47	ppb
Thallium	205-1	0.10	0.09	0.08	0.09	9.61	ppb
Tin	118-1	0.17	0.14	0.14	0.15	12.45	ppb
Titanium	47-1	-0.01	0.01	0.03	0.01	226.26	ppb
Uranium	238-1	0.01	0.01	0.02	0.01	27.21	ppb
Vanadium	51-2	0.01	0.00	-0.02	0.00		ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	0.13	0.22	0.17	0.17	25.64	ppb
Zirconium	90-1	0.03	0.03	0.04	0.03	20.47	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB36	Instrumnet Name :	P8
Client Sample ID :	CCB36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:25:54	DataFile Name :	021CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.02	0.03	0.03	33.72	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:29:02	DataFile Name :	022SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.52	18.66	17.13	17.77	4.46	ppb
Antimony	121-1	1.84	1.84	1.84	1.84	0.20	ppb
Arsenic	75-2	0.88	1.02	1.22	1.04	16.60	ppb
Barium	135-1	8.70	9.26	8.60	8.85	3.99	ppb
Barium	137-1	8.76	9.03	9.19	8.99	2.43	ppb
Beryllium	9-1	0.85	0.88	0.90	0.88	2.69	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	30.84	30.90	30.37	30.71	0.94	ppb
Boron	11-1	29.30	30.80	29.54	29.88	2.70	ppb
Cadmium	111-1	0.74	0.92	0.89	0.85	11.08	ppb
Cadmium	106-1	-0.11	0.93	0.16	0.33	164.74	ppb
Cadmium	108-1	1.11	1.03	1.24	1.13	9.61	ppb
Calcium	43-1	384.18	389.50	367.33	380.34	3.04	ppb
Calcium	44-1	424.88	427.37	424.70	425.65	0.35	ppb
Chromium	52-2	1.95	2.11	2.80	2.28	19.89	ppb
Cobalt	59-2	0.88	0.87	1.07	0.94	11.76	ppb
Copper	63-2	1.88	1.88	2.18	1.98	8.94	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	48.50	47.73	61.16	52.46	14.38	ppb
Iron	57-2	47.46	45.14	54.47	49.02	9.91	ppb
Lead	206-1	1.01	0.99	1.03	1.01	1.55	ppb
Lead	207-1	0.99	0.97	1.07	1.01	5.00	ppb
Lead	208-1	0.97	1.00	1.01	0.99	1.98	ppb
Lithium	6-1						%
Magnesium	24-2	476.68	456.09	558.27	497.01	10.87	ppb
Manganese	55-2	0.95	0.93	1.23	1.03	16.10	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:29:02	DataFile Name :	022SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2.02	1.96	1.96	1.98	1.82	ppb
Molybdenum	95-1	4.17	4.25	4.54	4.32	4.57	ppb
Molybdenum	96-1	3.93	3.77	3.75	3.82	2.57	ppb
Molybdenum	97-1	4.63	4.40	4.29	4.44	3.94	ppb
Molybdenum	98-1	4.39	4.36	4.39	4.38	0.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.05	1.01	1.20	1.09	9.65	ppb
Phosphorus	31-2	11.82	-9.32	19.00	7.17	205.41	ppb
Potassium	39-2	436.79	419.59	567.98	474.79	17.10	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	4.99	0.00	0.00	1.66	173.21	ppb
Selenium	78-2	4.83	4.01	3.70	4.18	13.94	ppb
Selenium	82-1	5.11	4.51	4.95	4.86	6.39	ppb
Silicon	28-1	-9.15	-11.19	-9.89	-10.08		ppb
Silver	109-1	0.97	0.93	0.94	0.94	1.94	ppb
Silver	107-1	0.95	0.99	0.90	0.95	4.91	ppb
Sodium	23-2	500.53	469.81	671.99	547.44	19.90	ppb
Strontium	86-1	0.95	0.93	0.91	0.93	1.88	ppb
Strontium	88-1	0.91	0.91	0.90	0.91	0.81	ppb
Sulfur	34-1	-1355.90	-1448.24	-1406.85	-1403.66		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.93	0.95	0.88	0.92	3.64	ppb
Thallium	205-1	0.93	0.97	0.95	0.95	1.78	ppb
Tin	118-1	4.53	4.64	4.59	4.59	1.16	ppb
Titanium	47-1	4.16	4.72	4.29	4.39	6.68	ppb
Uranium	238-1	0.83	0.82	0.82	0.83	0.79	ppb
Vanadium	51-2	4.70	4.52	5.45	4.89	10.10	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	1.83	1.97	2.58	2.13	18.70	ppb
Zirconium	90-1	0.92	0.94	0.88	0.91	2.91	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:29:02	DataFile Name :	022SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.88	0.96	0.93	0.92	4.34	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5332-06A	Instrumnet Name :	P8
Client Sample ID :	MBDA78A	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:32:12	DataFile Name :	023SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48.06	60.87	51.09	53.34	12.56	ppb
Antimony	121-1	0.18	0.15	0.16	0.16	10.86	ppb
Arsenic	75-2	7.18	8.65	7.98	7.94	9.25	ppb
Barium	135-1	17.58	17.78	17.38	17.58	1.14	ppb
Barium	137-1	17.57	17.37	17.28	17.41	0.86	ppb
Beryllium	9-1	0.01	0.06	0.02	0.03	85.18	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	154.95	156.18	163.49	158.21	2.92	ppb
Boron	11-1	149.85	153.68	153.16	152.23	1.36	ppb
Cadmium	111-1	0.01	-0.03	0.06	0.02	286.40	ppb
Cadmium	106-1	-0.99	-1.56	-0.01	-0.86		ppb
Cadmium	108-1	0.23	0.17	0.03	0.14	72.13	ppb
Calcium	43-1	9837.85	9691.09	9667.29	9732.08	0.95	ppb
Calcium	44-1	10124.51	9892.03	9976.24	9997.59	1.18	ppb
Chromium	52-2	8.61	8.47	8.53	8.54	0.83	ppb
Cobalt	59-2	0.78	0.75	0.72	0.75	3.66	ppb
Copper	63-2	1.60	1.57	1.45	1.54	5.32	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	72545.68	71167.73	70512.19	71408.54	1.45	ppb
Iron	57-2	71397.04	70263.63	69729.86	70463.51	1.21	ppb
Lead	206-1	0.29	0.23	0.20	0.24	18.81	ppb
Lead	207-1	0.26	0.24	0.20	0.23	13.31	ppb
Lead	208-1	0.25	0.24	0.19	0.23	14.42	ppb
Lithium	6-1						%
Magnesium	24-2	1028.86	1035.86	1032.94	1032.55	0.34	ppb
Manganese	55-2	54.78	53.80	51.88	53.48	2.76	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5332-06A	Instrumnet Name :	P8
Client Sample ID :	MBDA78A	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:32:12	DataFile Name :	023SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.17	0.18	0.20	0.18	7.61	ppb
Molybdenum	95-1	0.31	0.31	0.34	0.32	4.79	ppb
Molybdenum	96-1	0.38	0.47	0.41	0.42	10.52	ppb
Molybdenum	97-1	0.34	0.42	0.38	0.38	9.90	ppb
Molybdenum	98-1	0.34	0.36	0.31	0.34	6.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.12	17.96	17.78	17.95	0.94	ppb
Phosphorus	31-2	47.82	9.64	46.90	34.79	62.62	ppb
Potassium	39-2	20290.03	19974.67	19890.49	20051.73	1.05	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	22.98	4.62	4.67	10.76	98.41	ppb
Selenium	78-2	2.79	5.11	1.32	3.08	62.16	ppb
Selenium	82-1	4.74	4.45	4.16	4.45	6.48	ppb
Silicon	28-1	3899.90	3903.46	3905.20	3902.86	0.07	ppb
Silver	109-1	2.16	2.24	2.18	2.19	2.05	ppb
Silver	107-1	2.23	2.23	2.21	2.22	0.42	ppb
Sodium	23-2	54097.21	53392.77	52731.89	53407.29	1.28	ppb
Strontium	86-1	34.25	34.62	35.03	34.63	1.12	ppb
Strontium	88-1	35.26	35.79	35.36	35.47	0.78	ppb
Sulfur	34-1	-1659.39	-1825.11	-1723.45	-1735.98		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.14	0.15	0.11	0.13	14.49	ppb
Thallium	205-1	0.15	0.14	0.12	0.14	10.47	ppb
Tin	118-1	0.37	0.33	0.37	0.36	5.80	ppb
Titanium	47-1	0.66	0.61	0.49	0.58	15.20	ppb
Uranium	238-1	0.00	0.01	0.00	0.00	48.01	ppb
Vanadium	51-2	0.23	0.23	0.22	0.23	0.91	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	3.21	3.37	3.34	3.31	2.62	ppb
Zirconium	90-1	0.09	0.08	0.09	0.09	7.06	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5332-06A	Instrumnet Name :	P8
Client Sample ID :	MBDA78A	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:32:12	DataFile Name :	023SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.09	0.11	0.15	0.12	25.71	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-17RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-53-FL2-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:35:18	DataFile Name :	024SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.74	9.73	9.29	12.59	42.34	ppb
Antimony	121-1	0.10	0.08	0.11	0.10	16.18	ppb
Arsenic	75-2	0.32	0.29	0.21	0.27	20.71	ppb
Barium	135-1	15.61	16.08	16.31	16.00	2.21	ppb
Barium	137-1	16.02	15.82	16.15	16.00	1.03	ppb
Beryllium	9-1	0.04	0.04	0.01	0.03	48.65	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	16.01	14.61	14.37	15.00	5.89	ppb
Boron	11-1	15.48	12.89	14.24	14.21	9.14	ppb
Cadmium	111-1	-0.09	-0.08	-0.06	-0.08		ppb
Cadmium	106-1	-1.72	-1.61	-1.02	-1.45		ppb
Cadmium	108-1	0.03	0.08	0.12	0.08	54.09	ppb
Calcium	43-1	5836.14	5775.36	5919.09	5843.53	1.23	ppb
Calcium	44-1	5995.42	6066.52	6297.03	6119.66	2.58	ppb
Chromium	52-2	-0.27	-0.24	-0.28	-0.27		ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	74.69	ppb
Copper	63-2	135.40	136.29	137.37	136.35	0.72	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	19.77	19.10	18.30	19.05	3.86	ppb
Iron	57-2	10.99	20.15	17.45	16.20	29.05	ppb
Lead	206-1	1.50	1.52	1.43	1.48	3.11	ppb
Lead	207-1	1.43	1.43	1.35	1.40	3.05	ppb
Lead	208-1	1.46	1.44	1.40	1.44	2.09	ppb
Lithium	6-1						%
Magnesium	24-2	1170.19	1168.17	1155.43	1164.60	0.69	ppb
Manganese	55-2	15.38	15.26	14.50	15.05	3.18	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-17RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-53-FL2-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:35:18	DataFile Name :	024SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.07	0.07	0.06	0.07	8.24	ppb
Molybdenum	95-1	0.07	0.05	0.06	0.06	13.09	ppb
Molybdenum	96-1	0.05	0.06	0.06	0.05	8.72	ppb
Molybdenum	97-1	0.04	0.04	0.03	0.04	11.40	ppb
Molybdenum	98-1	0.07	0.06	0.07	0.07	4.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.06	3.90	3.79	3.92	3.47	ppb
Phosphorus	31-2	744.42	663.62	741.13	716.39	6.38	ppb
Potassium	39-2	459.55	464.53	479.08	467.72	2.17	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.77	-0.17	-0.24	-0.72		ppb
Selenium	82-1	0.54	0.45	0.22	0.40	41.75	ppb
Silicon	28-1	721.63	718.63	734.93	725.06	1.20	ppb
Silver	109-1	0.07	0.07	0.08	0.07	7.24	ppb
Silver	107-1	0.06	0.07	0.07	0.07	9.86	ppb
Sodium	23-2	9785.38	9873.46	9803.79	9820.88	0.47	ppb
Strontium	86-1	19.19	19.64	19.57	19.47	1.27	ppb
Strontium	88-1	19.62	19.98	20.03	19.88	1.13	ppb
Sulfur	34-1	-1179.40	-1560.50	-1228.81	-1322.90		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.01	0.01	0.00	0.01	41.61	ppb
Thallium	205-1	0.01	0.00	0.01	0.01	78.10	ppb
Tin	118-1	-0.01	0.00	-0.01	0.00		ppb
Titanium	47-1	0.21	0.19	0.16	0.19	14.09	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	9.50	ppb
Vanadium	51-2	0.07	0.06	0.05	0.06	18.09	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	212.22	215.14	211.66	213.01	0.88	ppb
Zirconium	90-1	0.05	0.06	0.06	0.06	8.46	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-17RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-53-FL2-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:35:18	DataFile Name :	024SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.06	0.08	0.06	0.07	21.55	ppb

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : I5741-27RE Instrumnet Name : P8
 Client Sample ID : DC19543-63-FL1-BRG-V Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 12:38:27 DataFile Name : 025SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.48	6.36	7.77	5.54	49.44	ppb
Antimony	121-1	0.10	0.09	0.12	0.10	14.56	ppb
Arsenic	75-2	0.28	0.23	0.45	0.32	36.60	ppb
Barium	135-1	15.12	15.67	15.11	15.30	2.12	ppb
Barium	137-1	15.71	15.32	15.22	15.42	1.70	ppb
Beryllium	9-1	0.02	0.03	-0.01	0.01	194.21	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	11.13	9.91	10.19	10.41	6.16	ppb
Boron	11-1	11.37	11.00	11.62	11.33	2.74	ppb
Cadmium	111-1	-0.09	-0.13	-0.13	-0.12		ppb
Cadmium	106-1	-1.35	-2.11	-1.99	-1.82		ppb
Cadmium	108-1	0.00	-0.06	0.07	0.00	1505.79	ppb
Calcium	43-1	5764.46	5820.11	5640.93	5741.83	1.60	ppb
Calcium	44-1	5908.26	5980.84	5920.81	5936.63	0.65	ppb
Chromium	52-2	-0.33	-0.36	-0.29	-0.33		ppb
Cobalt	59-2	-0.02	-0.01	-0.01	-0.01		ppb
Copper	63-2	132.47	129.43	130.23	130.71	1.20	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	14.33	14.06	13.61	14.00	2.63	ppb
Iron	57-2	11.61	10.98	9.56	10.72	9.80	ppb
Lead	206-1	2.58	2.43	2.40	2.47	3.87	ppb
Lead	207-1	2.37	2.34	2.27	2.33	2.08	ppb
Lead	208-1	2.40	2.41	2.36	2.39	1.13	ppb
Lithium	6-1						%
Magnesium	24-2	1174.43	1139.44	1157.31	1157.06	1.51	ppb
Manganese	55-2	12.54	11.63	12.38	12.18	4.01	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-27RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-63-FL1-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:38:27	DataFile Name :	025SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.04	0.03	0.03	0.03	21.01	ppb
Molybdenum	95-1	0.03	0.04	0.05	0.04	26.48	ppb
Molybdenum	96-1	0.05	0.06	0.07	0.06	10.60	ppb
Molybdenum	97-1	0.07	0.04	0.04	0.05	36.43	ppb
Molybdenum	98-1	0.06	0.05	0.04	0.05	21.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.57	0.69	0.79	0.69	15.80	ppb
Phosphorus	31-2	659.48	629.43	653.12	647.34	2.45	ppb
Potassium	39-2	485.90	427.12	480.59	464.54	7.00	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.01	-1.00	-1.77	-1.26		ppb
Selenium	82-1	-0.24	0.05	1.20	0.34	225.45	ppb
Silicon	28-1	731.27	741.76	740.89	737.97	0.79	ppb
Silver	109-1	0.03	0.04	0.04	0.04	22.53	ppb
Silver	107-1	0.04	0.04	0.04	0.04	0.43	ppb
Sodium	23-2	9832.62	9555.48	9615.43	9667.84	1.51	ppb
Strontium	86-1	19.10	19.87	19.79	19.59	2.17	ppb
Strontium	88-1	19.54	19.68	19.78	19.67	0.63	ppb
Sulfur	34-1	-1315.77	-1472.67	-736.53	-1174.99		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.01	0.01	0.01	0.01	9.62	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	37.75	ppb
Tin	118-1	-0.03	-0.05	-0.06	-0.05		ppb
Titanium	47-1	0.16	0.12	0.16	0.15	14.86	ppb
Uranium	238-1	0.01	0.01	0.00	0.01	25.73	ppb
Vanadium	51-2	0.01	0.10	0.05	0.05	85.78	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	213.77	209.42	212.03	211.74	1.03	ppb
Zirconium	90-1	0.05	0.05	0.10	0.07	52.71	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-27RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-63-FL1-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:38:27	DataFile Name :	025SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.05	0.04	0.04	9.61	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-35RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-71-BS-KI-W1-F	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:41:35	DataFile Name :	026SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13.28	3.92	14.86	10.69	55.35	ppb
Antimony	121-1	0.11	0.12	0.12	0.12	8.38	ppb
Arsenic	75-2	0.39	0.32	0.43	0.38	15.72	ppb
Barium	135-1	15.03	17.05	15.26	15.78	7.02	ppb
Barium	137-1	15.68	17.02	15.06	15.92	6.27	ppb
Beryllium	9-1	0.00	0.01	0.05	0.02	109.44	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	8.47	11.50	9.70	9.89	15.43	ppb
Boron	11-1	9.60	10.29	10.11	10.00	3.62	ppb
Cadmium	111-1	-0.10	-0.09	-0.07	-0.09		ppb
Cadmium	106-1	-1.58	-1.37	-1.28	-1.41		ppb
Cadmium	108-1	-0.03	0.04	-0.03	-0.01		ppb
Calcium	43-1	5794.07	6546.16	5781.44	6040.56	7.25	ppb
Calcium	44-1	5998.08	6776.90	6063.90	6279.63	6.88	ppb
Chromium	52-2	-0.32	-0.32	-0.32	-0.32		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	164.37	168.15	169.37	167.30	1.56	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	13.91	14.17	13.80	13.96	1.35	ppb
Iron	57-2	13.14	13.72	12.18	13.01	5.95	ppb
Lead	206-1	1.40	1.59	1.44	1.48	6.83	ppb
Lead	207-1	1.32	1.50	1.31	1.38	7.97	ppb
Lead	208-1	1.34	1.54	1.36	1.42	7.65	ppb
Lithium	6-1						%
Magnesium	24-2	1129.36	1162.64	1144.65	1145.55	1.45	ppb
Manganese	55-2	10.86	10.82	11.01	10.90	0.93	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-35RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-71-BS-KI-W1-F	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:41:35	DataFile Name :	026SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.03	0.04	0.03	0.03	23.36	ppb
Molybdenum	95-1	0.06	0.06	0.04	0.05	20.21	ppb
Molybdenum	96-1	0.05	0.04	0.04	0.04	17.33	ppb
Molybdenum	97-1	0.06	0.09	0.05	0.07	30.30	ppb
Molybdenum	98-1	0.03	0.06	0.04	0.04	29.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.30	1.14	1.37	1.27	9.08	ppb
Phosphorus	31-2	501.75	447.84	627.38	525.66	17.53	ppb
Potassium	39-2	420.65	439.33	456.49	438.82	4.08	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.77	-1.00	-1.00	-1.25		ppb
Selenium	82-1	0.29	-0.46	0.20	0.01	3687.79	ppb
Silicon	28-1	740.01	851.73	740.99	777.58	8.26	ppb
Silver	109-1	0.02	0.03	0.02	0.02	21.45	ppb
Silver	107-1	0.04	0.03	0.03	0.03	21.62	ppb
Sodium	23-2	9731.73	9987.77	9865.91	9861.80	1.30	ppb
Strontium	86-1	19.27	21.66	19.10	20.01	7.15	ppb
Strontium	88-1	19.71	22.05	19.75	20.50	6.54	ppb
Sulfur	34-1	-1903.85	-293.31	-1119.42	-1105.53		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.01	0.01	0.02	0.01	46.97	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	49.23	ppb
Tin	118-1	-0.08	-0.03	-0.05	-0.05		ppb
Titanium	47-1	0.32	0.27	0.14	0.25	37.40	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	2.64	ppb
Vanadium	51-2	0.05	0.03	0.03	0.03	30.42	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	164.93	176.64	172.01	171.19	3.44	ppb
Zirconium	90-1	0.03	0.04	0.03	0.03	12.17	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-35RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-71-BS-KI-W1-F	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:41:35	DataFile Name :	026SMPL_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.03	0.05	0.03	0.04	33.16	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV37	Instrumnet Name :	P8
Client Sample ID :	CCV37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:44:42	DataFile Name :	027CCV_P8101017 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49778.96	50134.78	49251.05	49721.59	0.89	ppb
Antimony	121-1	502.20	491.03	493.17	495.47	1.20	ppb
Arsenic	75-2	489.24	489.36	482.51	487.04	0.80	ppb
Barium	135-1	2567.76	2519.58	2527.12	2538.15	1.02	ppb
Barium	137-1	2575.24	2524.01	2516.35	2538.53	1.26	ppb
Beryllium	9-1	493.09	484.15	485.47	487.57	0.99	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	511.22	516.32	512.41	513.32	0.52	ppb
Boron	11-1	508.57	511.62	508.47	509.55	0.35	ppb
Cadmium	111-1	477.29	476.41	468.83	474.17	0.98	ppb
Cadmium	106-1	493.42	486.99	483.73	488.05	1.01	ppb
Cadmium	108-1	479.90	488.30	482.09	483.43	0.90	ppb
Calcium	43-1	242847.40	245772.47	246237.92	244952.60	0.75	ppb
Calcium	44-1	243566.79	247352.37	244154.20	245024.45	0.83	ppb
Chromium	52-2	496.55	494.36	486.78	492.56	1.04	ppb
Cobalt	59-2	474.59	473.87	469.78	472.74	0.55	ppb
Copper	63-2	954.67	945.56	940.10	946.78	0.78	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	124521.73	126004.93	123978.25	124834.97	0.84	ppb
Iron	57-2	126359.69	125837.83	123618.96	125272.16	1.16	ppb
Lead	206-1	504.42	495.26	499.46	499.71	0.92	ppb
Lead	207-1	503.83	491.16	499.51	498.17	1.29	ppb
Lead	208-1	501.88	493.37	499.35	498.20	0.88	ppb
Lithium	6-1						%
Magnesium	24-2	248814.18	251159.24	245931.18	248634.87	1.05	ppb
Manganese	55-2	995.86	998.29	987.55	993.90	0.57	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV37	Instrumnet Name :	P8
Client Sample ID :	CCV37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:44:42	DataFile Name :	027CCV_P8101017 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	513.91	516.67	510.66	513.74	0.59	ppb
Molybdenum	95-1	505.05	512.43	500.02	505.83	1.23	ppb
Molybdenum	96-1	506.30	523.65	513.71	514.55	1.69	ppb
Molybdenum	97-1	499.64	511.52	497.04	502.73	1.54	ppb
Molybdenum	98-1	505.72	515.58	511.70	511.00	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	482.35	475.15	472.88	476.79	1.04	ppb
Phosphorus	31-2	10579.84	9865.17	10432.25	10292.42	3.67	ppb
Potassium	39-2	125885.56	124753.03	123177.29	124605.29	1.09	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	479.85	483.11	496.50	486.49	1.81	ppb
Selenium	78-2	473.85	487.62	514.17	491.88	4.17	ppb
Selenium	82-1	482.30	492.11	486.58	487.00	1.01	ppb
Silicon	28-1	508.26	518.16	531.98	519.47	2.29	ppb
Silver	109-1	483.46	489.70	479.81	484.33	1.03	ppb
Silver	107-1	488.43	490.84	484.74	488.00	0.63	ppb
Sodium	23-2	250090.60	250526.18	245925.24	248847.34	1.02	ppb
Strontium	86-1	513.67	512.61	515.24	513.84	0.26	ppb
Strontium	88-1	527.42	521.76	522.45	523.87	0.59	ppb
Sulfur	34-1	10137.09	10037.01	9926.69	10033.60	1.05	ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	505.86	490.49	502.44	499.60	1.62	ppb
Thallium	205-1	499.71	489.90	499.72	496.45	1.14	ppb
Tin	118-1	517.52	512.03	510.26	513.27	0.74	ppb
Titanium	47-1	501.93	502.51	503.37	502.60	0.14	ppb
Uranium	238-1	510.08	511.82	512.84	511.58	0.27	ppb
Vanadium	51-2	496.54	496.01	487.69	493.41	1.01	ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	976.81	969.36	958.78	968.32	0.94	ppb
Zirconium	90-1	509.24	514.36	513.96	512.52	0.56	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV37	Instrumnet Name :	P8
Client Sample ID :	CCV37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:44:42	DataFile Name :	027CCV_P8101017 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	521.00	514.30	511.39	515.56	0.96	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB37	Instrumnet Name :	P8
Client Sample ID :	CCB37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:47:42	DataFile Name :	028CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.69	0.15	-4.27	-0.81		ppb
Antimony	121-1	0.24	0.22	0.25	0.24	8.32	ppb
Arsenic	75-2	0.05	0.03	-0.03	0.02	249.97	ppb
Barium	135-1	0.04	0.04	0.03	0.04	24.77	ppb
Barium	137-1	0.05	0.03	0.03	0.04	27.57	ppb
Beryllium	9-1	0.10	0.10	0.10	0.10	0.79	ppb
Bismuth	209-1						%
Bismuth	209-2						%
Boron	10-1	15.18	16.01	15.02	15.40	3.45	ppb
Boron	11-1	16.28	15.54	14.80	15.54	4.77	ppb
Cadmium	111-1	-0.02	-0.05	-0.02	-0.03		ppb
Cadmium	106-1	-0.34	-1.01	-0.44	-0.60		ppb
Cadmium	108-1	-0.03	0.10	-0.03	0.02	463.74	ppb
Calcium	43-1	-33.45	-35.17	-31.46	-33.36		ppb
Calcium	44-1	1.28	-3.42	-2.45	-1.53		ppb
Chromium	52-2	0.02	0.06	0.05	0.04	45.92	ppb
Cobalt	59-2	-0.01	0.00	-0.01	-0.01		ppb
Copper	63-2	0.09	0.10	0.05	0.08	30.50	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						%
Holmium	165-2						%
Indium	115-1						%
Indium	115-2						%
Iron	56-2	2.82	2.18	1.92	2.31	20.16	ppb
Iron	57-2	2.65	0.49	0.52	1.22	101.60	ppb
Lead	206-1	0.08	0.07	0.07	0.07	14.25	ppb
Lead	207-1	0.09	0.07	0.06	0.07	24.68	ppb
Lead	208-1	0.09	0.07	0.07	0.08	17.11	ppb
Lithium	6-1						%
Magnesium	24-2	5.34	5.56	6.25	5.72	8.35	ppb
Manganese	55-2	0.07	0.02	0.02	0.03	79.62	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB37	Instrumnet Name :	P8
Client Sample ID :	CCB37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:47:42	DataFile Name :	028CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.07	0.07	0.04	0.06	28.82	ppb
Molybdenum	95-1	0.11	0.09	0.07	0.09	25.65	ppb
Molybdenum	96-1	0.08	0.09	0.08	0.08	5.48	ppb
Molybdenum	97-1	0.09	0.06	0.10	0.08	21.44	ppb
Molybdenum	98-1	0.10	0.09	0.08	0.09	11.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	0.01	0.03	0.00		ppb
Phosphorus	31-2	-9.32	-9.32	-9.32	-9.32		ppb
Potassium	39-2	11.22	2.81	10.25	8.09	56.82	ppb
Rhodium	103-1						%
Rhodium	103-2						%
Scandium	45-1						%
Scandium	45-2						%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.09	-0.93	-0.07	-0.36		ppb
Selenium	82-1	0.19	0.08	0.28	0.18	56.00	ppb
Silicon	28-1	-18.01	-18.69	-18.81	-18.50		ppb
Silver	109-1	0.05	0.04	0.05	0.05	14.43	ppb
Silver	107-1	0.05	0.04	0.05	0.05	14.35	ppb
Sodium	23-2	64.56	53.55	61.39	59.83	9.47	ppb
Strontium	86-1	0.00	-0.05	0.08	0.01	635.63	ppb
Strontium	88-1	0.01	0.00	0.01	0.01	64.23	ppb
Sulfur	34-1	-1504.92	-1229.04	-994.00	-1242.65		ppb
Terbium	159-1						%
Terbium	159-2						%
Thallium	203-1	0.08	0.07	0.07	0.07	12.92	ppb
Thallium	205-1	0.08	0.08	0.07	0.08	4.52	ppb
Tin	118-1	0.16	0.16	0.16	0.16	1.81	ppb
Titanium	47-1	0.05	-0.03	0.05	0.02	219.42	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	35.07	ppb
Vanadium	51-2	0.00	0.00	-0.01	0.00		ppb
Yttrium	89-1						%
Yttrium	89-2						%
Zinc	66-2	0.17	-0.13	-0.03	0.00	4207.54	ppb
Zirconium	90-1	0.03	0.04	0.02	0.03	18.37	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB37	Instrumnet Name :	P8
Client Sample ID :	CCB37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:47:42	DataFile Name :	028CCBE_P8101017 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.05	0.04	0.04	0.04	25.37	ppb

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:23:30	DataFile Name :	004CALB_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	42	17	25	28	45.82	cps
Antimony	121-1	100	67	67	78	24.75	cps
Arsenic	75-2	6	2	2	3	69.39	cps
Barium	135-1	25	50	58	44	39.04	cps
Barium	137-1	42	75	108	75	44.44	cps
Beryllium	9-1	33	28	67	43	49.39	cps
Bismuth	209-1	5101572	5097452	5142091	5113705	0.48	cps
Bismuth	209-2	1502791	1493454	1506494	1500913	0.45	cps
Boron	10-1	92	92	75	86	11.18	cps
Boron	11-1	308	333	392	344	12.42	cps
Cadmium	111-1	1090	905	1090	1028	10.41	cps
Cadmium	106-1	1542	1275	1533	1450	10.46	cps
Cadmium	108-1	8	13	0	7	91.66	cps
Calcium	43-1	2059	2050	1709	1939	10.30	cps
Calcium	44-1	21058	20549	20374	20660	1.72	cps
Chromium	52-2	877	820	877	858	3.81	cps
Cobalt	59-2	53	73	53	60	19.25	cps
Copper	63-2	140	100	133	124	17.22	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	25	33	25	28	17.31	cps
Erbium	164-2	7	3	0	3	100.05	cps
Gadolinium	160-1	25	33	58	39	44.62	cps
Gadolinium	160-2	13	3	10	9	57.30	cps
Holmium	165-1	8040109	7982430	7999444	8007328	0.37	cps
Holmium	165-2	1890388	1855538	1847023	1864316	1.23	cps
Indium	115-1	6669606	6736123	6659863	6688531	0.62	cps
Indium	115-2	314665	311913	309923	312167	0.76	cps
Iron	56-2	1917	1934	1872	1908	1.66	cps
Iron	57-2	78	56	56	63	20.37	cps
Lead	206-1	528	394	656	526	24.83	cps
Lead	207-1	428	406	489	441	9.79	cps
Lead	208-1	2200	1939	2217	2119	7.35	cps
Lithium	6-1	871947	870130	880564	874214	0.64	cps
Magnesium	24-2	75	58	125	86	40.29	cps
Manganese	55-2	23	27	40	30	29.40	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:23:30	DataFile Name :	004CALB_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	242	108	167	172	38.81	cps
Molybdenum	95-1	58	17	42	39	53.93	cps
Molybdenum	96-1	83	108	92	94	13.48	cps
Molybdenum	97-1	42	83	75	67	33.07	cps
Molybdenum	98-1	25	67	58	50	44.10	cps
Neodymium	150-1	0	0	13	4	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	60	100	80	80	25.00	cps
Phosphorus	31-2	8	8	8	8	0.00	cps
Potassium	39-2	3059	3159	3192	3137	2.21	cps
Rhodium	103-1	6335301	6278930	6308340	6307524	0.45	cps
Rhodium	103-2	1770350	1739313	1742386	1750683	0.98	cps
Scandium	45-1	3787670	3767055	3826632	3793786	0.80	cps
Scandium	45-2	34105	34402	33761	34089	0.94	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	7	4	65.54	cps
Selenium	82-1	-77	17	-52	-37	-130.76	cps
Silicon	28-1	415047	411673	411675	412798	0.47	cps
Silver	109-1	58	58	58	58	0.00	cps
Silver	107-1	50	25	67	47	44.41	cps
Sodium	23-2	11397	11805	12364	11855	4.10	cps
Strontium	86-1	633	725	550	636	13.76	cps
Strontium	88-1	700	608	533	614	13.60	cps
Sulfur	34-1	378725	379392	376586	378234	0.39	cps
Terbium	159-1	8331478	8247117	8421440	8333345	1.05	cps
Terbium	159-2	1835610	1795550	1831261	1820807	1.21	cps
Thallium	203-1	92	108	75	92	18.18	cps
Thallium	205-1	233	258	233	242	5.97	cps
Tin	118-1	617	783	825	742	14.86	cps
Titanium	47-1	158	200	142	167	18.03	cps
Uranium	238-1	92	92	100	94	5.10	cps
Vanadium	51-2	13	23	7	14	58.06	cps
Yttrium	89-1	6925143	6904774	6968458	6932792	0.47	cps
Yttrium	89-2	230031	230331	229838	230067	0.11	cps
Zinc	66-2	117	77	110	101	21.19	cps
Zirconium	90-1	392	400	608	467	26.31	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:23:30	DataFile Name :	004CALB_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	83	117	75	92	24.05	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:30:29	DataFile Name :	006CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	208	142	100	150	36.43	cps
Antimony	121-1	16202	16970	16294	16489	2.54	cps
Arsenic	75-2	122	91	128	114	17.59	cps
Barium	135-1	17337	16778	17571	17229	2.36	cps
Barium	137-1	30044	29158	29484	29562	1.51	cps
Beryllium	9-1	883	911	911	902	1.78	cps
Bismuth	209-1	5199542	5142908	5201485	5181312	0.64	cps
Bismuth	209-2	1518616	1514874	1511944	1515145	0.22	cps
Boron	10-1	2859	2834	2700	2798	3.04	cps
Boron	11-1	12281	13682	13707	13223	6.17	cps
Cadmium	111-1	2771	2754	2832	2786	1.48	cps
Cadmium	106-1	1734	1650	1650	1678	2.87	cps
Cadmium	108-1	150	121	146	139	11.36	cps
Calcium	43-1	10021	10538	9829	10129	3.62	cps
Calcium	44-1	161133	162176	162499	161936	0.44	cps
Chromium	52-2	2534	2684	2460	2559	4.45	cps
Cobalt	59-2	1727	1787	1887	1800	4.49	cps
Copper	63-2	3147	2994	3310	3150	5.03	cps
Dysprosium	156-1	0	25	17	14	91.65	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	58	75	17	50	60.09	cps
Erbium	164-2	13	13	7	11	34.61	cps
Gadolinium	160-1	42	83	83	69	34.64	cps
Gadolinium	160-2	13	7	20	13	49.99	cps
Holmium	165-1	8126870	8063465	8121000	8103778	0.43	cps
Holmium	165-2	1870434	1874426	1855272	1866711	0.54	cps
Indium	115-1	6717825	6735974	6696098	6716632	0.30	cps
Indium	115-2	313060	313006	309613	311893	0.63	cps
Iron	56-2	29237	29782	29103	29374	1.22	cps
Iron	57-2	739	728	700	722	2.77	cps
Lead	206-1	5779	5157	5279	5405	6.10	cps
Lead	207-1	4807	5085	4773	4888	3.50	cps
Lead	208-1	22186	22153	21719	22019	1.18	cps
Lithium	6-1	884001	879019	887644	883555	0.49	cps
Magnesium	24-2	14950	14391	13782	14374	4.06	cps
Manganese	55-2	267	293	300	287	6.15	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:30:29	DataFile Name :	006CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	14208	13716	14208	14044	2.02	cps
Molybdenum	95-1	16953	17771	17512	17412	2.40	cps
Molybdenum	96-1	19256	18589	18931	18925	1.76	cps
Molybdenum	97-1	10688	10696	10446	10610	1.34	cps
Molybdenum	98-1	28197	27454	26827	27493	2.49	cps
Neodymium	150-1	0	7	27	11	124.89	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	650	683	663	666	2.52	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	11238	11322	10988	11183	1.55	cps
Rhodium	103-1	6357818	6326475	6303930	6329408	0.43	cps
Rhodium	103-2	1761961	1725730	1756800	1748164	1.12	cps
Scandium	45-1	3872670	3840305	3944990	3885988	1.38	cps
Scandium	45-2	33878	34432	34736	34349	1.27	cps
Selenium	77-2	3	10	10	8	49.52	cps
Selenium	78-2	13	19	20	17	22.31	cps
Selenium	82-1	579	613	442	544	16.66	cps
Silicon	28-1	475875	469477	474374	473242	0.71	cps
Silver	109-1	8637	7828	8970	8478	6.93	cps
Silver	107-1	8737	9070	8611	8806	2.69	cps
Sodium	23-2	46210	44939	46653	45934	1.94	cps
Strontium	86-1	3059	2725	3042	2942	6.39	cps
Strontium	88-1	20132	19148	19573	19618	2.52	cps
Sulfur	34-1	386433	388273	388622	387776	0.30	cps
Terbium	159-1	8505821	8517401	8557744	8526989	0.32	cps
Terbium	159-2	1839252	1807305	1842791	1829783	1.07	cps
Thallium	203-1	6035	5710	6585	6110	7.24	cps
Thallium	205-1	14968	14300	14751	14673	2.32	cps
Tin	118-1	28749	27245	28172	28055	2.70	cps
Titanium	47-1	4876	4243	4568	4562	6.94	cps
Uranium	238-1	18598	19023	18323	18648	1.89	cps
Vanadium	51-2	3047	2670	2934	2884	6.70	cps
Yttrium	89-1	6944904	6972721	6936007	6951210	0.28	cps
Yttrium	89-2	230763	230038	229622	230141	0.25	cps
Zinc	66-2	407	363	397	389	5.83	cps
Zirconium	90-1	12506	12573	12356	12478	0.89	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:30:29	DataFile Name :	006CALS_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2725	2742	2650	2706	1.81	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:33:59	DataFile Name :	007CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6535	6777	6260	6524	3.96	cps
Antimony	121-1	443141	445124	440080	442782	0.57	cps
Arsenic	75-2	5405	5290	5549	5415	2.40	cps
Barium	135-1	463873	465246	462428	463849	0.30	cps
Barium	137-1	814811	819418	803755	812661	0.99	cps
Beryllium	9-1	54665	55078	54085	54609	0.91	cps
Bismuth	209-1	5126589	5123836	5181769	5144065	0.64	cps
Bismuth	209-2	1480159	1472214	1481692	1478022	0.34	cps
Boron	10-1	5951	6127	6235	6104	2.34	cps
Boron	11-1	28872	27978	29431	28761	2.55	cps
Cadmium	111-1	98016	97351	97776	97714	0.34	cps
Cadmium	106-1	11706	10980	11756	11480	3.78	cps
Cadmium	108-1	6910	6985	6727	6874	1.93	cps
Calcium	43-1	93537	94913	94920	94457	0.84	cps
Calcium	44-1	1560710	1590572	1538861	1563381	1.66	cps
Chromium	52-2	44494	44203	44828	44509	0.70	cps
Cobalt	59-2	95279	94833	95135	95083	0.24	cps
Copper	63-2	166729	164544	166056	165776	0.68	cps
Dysprosium	156-1	33	17	8	19	65.47	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	33	17	33	28	34.63	cps
Erbium	164-2	7	3	0	3	100.05	cps
Gadolinium	160-1	42	50	67	53	24.12	cps
Gadolinium	160-2	13	3	7	8	65.47	cps
Holmium	165-1	7966469	8024424	7878511	7956468	0.92	cps
Holmium	165-2	1834871	1845602	1843837	1841437	0.31	cps
Indium	115-1	6471459	6651622	6597091	6573391	1.41	cps
Indium	115-2	301212	302930	302090	302077	0.28	cps
Iron	56-2	1510214	1525939	1525638	1520597	0.59	cps
Iron	57-2	38036	38041	37623	37900	0.63	cps
Lead	206-1	264996	269310	265263	266523	0.91	cps
Lead	207-1	238916	242175	242577	241223	0.83	cps
Lead	208-1	1074329	1086136	1088187	1082884	0.69	cps
Lithium	6-1	884023	888096	877145	883088	0.63	cps
Magnesium	24-2	156047	155095	156443	155862	0.44	cps
Manganese	55-2	24879	24562	24665	24702	0.65	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:33:59	DataFile Name :	007CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	342811	350650	348562	347341	1.17	cps
Molybdenum	95-1	186441	187021	185577	186346	0.39	cps
Molybdenum	96-1	238996	239895	239234	239375	0.19	cps
Molybdenum	97-1	116479	117826	114893	116399	1.26	cps
Molybdenum	98-1	300019	301101	297963	299694	0.53	cps
Neodymium	150-1	53	13	27	31	65.48	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	28042	28352	27978	28124	0.71	cps
Phosphorus	31-2	525	342	467	444	21.07	cps
Potassium	39-2	48660	47381	46720	47587	2.07	cps
Rhodium	103-1	6172063	6165931	6093326	6143773	0.71	cps
Rhodium	103-2	1700779	1702302	1698829	1700636	0.10	cps
Scandium	45-1	3800845	3844990	3772481	3806105	0.96	cps
Scandium	45-2	33303	32952	33834	33363	1.33	cps
Selenium	77-2	23	30	50	34	40.30	cps
Selenium	78-2	96	130	137	121	17.94	cps
Selenium	82-1	5859	6089	6040	5996	2.02	cps
Silicon	28-1	642961	645976	642693	643877	0.28	cps
Silver	109-1	447893	456842	451118	451951	1.00	cps
Silver	107-1	474095	481493	476006	477198	0.80	cps
Sodium	23-2	381505	382284	379474	381087	0.38	cps
Strontium	86-1	120050	121033	119143	120075	0.79	cps
Strontium	88-1	1037150	1035147	1025573	1032623	0.60	cps
Sulfur	34-1	422052	420046	416868	419655	0.62	cps
Terbium	159-1	8373443	8344877	8344998	8354439	0.20	cps
Terbium	159-2	1792482	1793322	1809767	1798524	0.54	cps
Thallium	203-1	325933	327096	321995	325008	0.82	cps
Thallium	205-1	778620	787443	769883	778649	1.13	cps
Tin	118-1	297332	307427	303307	302689	1.68	cps
Titanium	47-1	50058	49338	49229	49541	0.91	cps
Uranium	238-1	1038714	1034625	1028322	1033887	0.51	cps
Vanadium	51-2	32481	33099	32327	32636	1.25	cps
Yttrium	89-1	6780086	6847488	6791963	6806512	0.53	cps
Yttrium	89-2	223042	223282	222302	222875	0.23	cps
Zinc	66-2	14748	14962	14504	14738	1.55	cps
Zirconium	90-1	654797	656600	655491	655629	0.14	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:33:59	DataFile Name :	007CALS_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	145782	148241	147458	147160	0.85	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:37:28	DataFile Name :	008CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15968	15651	15759	15793	1.02	cps
Antimony	121-1	1132153	1126898	1130398	1129816	0.24	cps
Arsenic	75-2	13101	13336	13392	13276	1.16	cps
Barium	135-1	1199969	1192821	1186183	1192991	0.58	cps
Barium	137-1	2118504	2106995	2099041	2108180	0.46	cps
Beryllium	9-1	137541	138504	138998	138348	0.54	cps
Bismuth	209-1	5155639	5268107	5248689	5224145	1.15	cps
Bismuth	209-2	1467750	1474417	1463028	1468398	0.39	cps
Boron	10-1	15559	14833	15776	15389	3.21	cps
Boron	11-1	72233	73245	74627	73368	1.64	cps
Cadmium	111-1	243397	245903	245992	245098	0.60	cps
Cadmium	106-1	24916	25375	26059	25450	2.26	cps
Cadmium	108-1	16999	17199	17036	17078	0.62	cps
Calcium	43-1	238072	235282	231434	234930	1.42	cps
Calcium	44-1	3916441	3888014	3861302	3888586	0.71	cps
Chromium	52-2	109269	109584	108654	109169	0.43	cps
Cobalt	59-2	235936	234208	231259	233801	1.01	cps
Copper	63-2	411023	414595	405610	410409	1.10	cps
Dysprosium	156-1	25	25	42	31	31.50	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	25	42	25	31	31.50	cps
Erbium	164-2	7	10	7	8	24.71	cps
Gadolinium	160-1	58	50	100	69	38.58	cps
Gadolinium	160-2	3	7	7	6	34.70	cps
Holmium	165-1	8091151	8201918	8203805	8165625	0.79	cps
Holmium	165-2	1828506	1834570	1814543	1825873	0.56	cps
Indium	115-1	6478566	6684615	6684471	6615884	1.80	cps
Indium	115-2	300852	298547	298006	299135	0.51	cps
Iron	56-2	3719032	3713980	3722458	3718490	0.11	cps
Iron	57-2	94474	92818	91890	93061	1.41	cps
Lead	206-1	682891	680563	686146	683200	0.41	cps
Lead	207-1	624904	621011	621115	622343	0.36	cps
Lead	208-1	2801889	2775239	2797530	2791553	0.51	cps
Lithium	6-1	882132	926966	908698	905932	2.49	cps
Magnesium	24-2	383757	381051	376190	380333	1.01	cps
Manganese	55-2	61927	60785	60397	61036	1.30	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:37:28	DataFile Name :	008CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	891907	894134	882189	889410	0.71	cps
Molybdenum	95-1	471270	475538	476082	474297	0.56	cps
Molybdenum	96-1	607151	607288	604111	606183	0.30	cps
Molybdenum	97-1	294384	296340	294067	294931	0.42	cps
Molybdenum	98-1	761978	761881	749139	757666	0.97	cps
Neodymium	150-1	13	53	73	47	65.47	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	69881	70169	68859	69636	0.99	cps
Phosphorus	31-2	1025	1117	1108	1083	4.68	cps
Potassium	39-2	113017	113237	110213	112156	1.50	cps
Rhodium	103-1	6085908	6174874	6170600	6143794	0.82	cps
Rhodium	103-2	1708691	1701110	1687815	1699205	0.62	cps
Scandium	45-1	3711770	3799229	3832073	3781024	1.64	cps
Scandium	45-2	32965	33169	32989	33041	0.34	cps
Selenium	77-2	120	100	83	101	18.15	cps
Selenium	78-2	276	320	306	301	7.53	cps
Selenium	82-1	14952	15400	14839	15064	1.97	cps
Silicon	28-1	897047	994732	887065	926282	6.42	cps
Silver	109-1	1152328	1140183	1145581	1146031	0.53	cps
Silver	107-1	1201267	1198414	1198764	1199481	0.13	cps
Sodium	23-2	918532	913151	905119	912268	0.74	cps
Strontium	86-1	303728	305481	303708	304306	0.33	cps
Strontium	88-1	2676551	2674480	2618475	2656502	1.24	cps
Sulfur	34-1	461731	460755	457816	460101	0.44	cps
Terbium	159-1	8415354	8566616	8598679	8526883	1.15	cps
Terbium	159-2	1787894	1783997	1772392	1781428	0.45	cps
Thallium	203-1	845071	848118	845001	846063	0.21	cps
Thallium	205-1	2055688	2021315	2046030	2041011	0.87	cps
Tin	118-1	774723	775204	779146	776357	0.31	cps
Titanium	47-1	126367	126744	126954	126688	0.23	cps
Uranium	238-1	2777316	2730099	2722289	2743235	1.09	cps
Vanadium	51-2	80812	80697	80027	80512	0.53	cps
Yttrium	89-1	6754917	6886664	6892241	6844607	1.14	cps
Yttrium	89-2	222441	222045	218116	220868	1.08	cps
Zinc	66-2	36164	36578	35953	36232	0.88	cps
Zirconium	90-1	1724174	1708841	1731830	1721615	0.68	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:37:28	DataFile Name :	008CALS_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	381199	373502	374495	376399	1.11	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:40:54	DataFile Name :	009CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30384	29106	29632	29707	2.16	cps
Antimony	121-1	2303661	2344442	2317465	2321856	0.89	cps
Arsenic	75-2	26151	25807	25631	25863	1.02	cps
Barium	135-1	2461484	2472654	2454900	2463013	0.36	cps
Barium	137-1	4239824	4281265	4231127	4250739	0.63	cps
Beryllium	9-1	272921	276126	272949	273999	0.67	cps
Bismuth	209-1	5455602	5388694	5486023	5443440	0.91	cps
Bismuth	209-2	1457554	1435673	1440664	1444630	0.79	cps
Boron	10-1	30650	31068	31268	30995	1.02	cps
Boron	11-1	144446	147913	147408	146589	1.28	cps
Cadmium	111-1	492502	492836	493396	492912	0.09	cps
Cadmium	106-1	51198	50512	50830	50847	0.67	cps
Cadmium	108-1	34950	34302	33676	34309	1.86	cps
Calcium	43-1	465286	471952	469383	468874	0.72	cps
Calcium	44-1	7689011	7607126	7698526	7664887	0.66	cps
Chromium	52-2	213614	208291	208201	210035	1.48	cps
Cobalt	59-2	456537	453152	455660	455117	0.39	cps
Copper	63-2	799783	794085	785852	793240	0.88	cps
Dysprosium	156-1	50	83	58	64	27.15	cps
Dysprosium	156-2	3	3	7	4	43.40	cps
Erbium	164-1	33	50	42	42	20.00	cps
Erbium	164-2	0	3	7	3	100.05	cps
Gadolinium	160-1	108	58	67	78	34.44	cps
Gadolinium	160-2	3	7	13	8	65.47	cps
Holmium	165-1	8449362	8321469	8411105	8393979	0.78	cps
Holmium	165-2	1798212	1795586	1791479	1795092	0.19	cps
Indium	115-1	6734520	6748605	6666013	6716379	0.66	cps
Indium	115-2	288647	288107	283108	286621	1.07	cps
Iron	56-2	7134014	7107116	7061894	7101008	0.51	cps
Iron	57-2	181819	180643	177995	180152	1.09	cps
Lead	206-1	1411194	1393672	1401511	1402126	0.63	cps
Lead	207-1	1285389	1272252	1284026	1280556	0.56	cps
Lead	208-1	5820206	5747737	5812452	5793465	0.69	cps
Lithium	6-1	940345	938328	928148	935607	0.70	cps
Magnesium	24-2	738541	735789	715366	729899	1.73	cps
Manganese	55-2	118285	115019	115281	116195	1.56	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:40:54	DataFile Name :	009CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1812656	1823054	1797863	1811191	0.70	cps
Molybdenum	95-1	951369	950069	941732	947723	0.55	cps
Molybdenum	96-1	1223801	1224318	1220786	1222968	0.16	cps
Molybdenum	97-1	588391	593822	588621	590278	0.52	cps
Molybdenum	98-1	1565663	1562324	1561808	1563265	0.13	cps
Neodymium	150-1	140	113	107	120	14.70	cps
Neodymium	150-2	3	7	10	7	50.03	cps
Nickel	60-2	135077	134058	132186	133774	1.10	cps
Phosphorus	31-2	2309	2300	2217	2275	2.23	cps
Potassium	39-2	213216	209663	208659	210512	1.14	cps
Rhodium	103-1	6210357	6168452	6256049	6211619	0.71	cps
Rhodium	103-2	1662650	1673443	1660964	1665686	0.41	cps
Scandium	45-1	3787193	3859984	3840638	3829272	0.98	cps
Scandium	45-2	31937	31566	31485	31663	0.76	cps
Selenium	77-2	177	210	170	186	11.55	cps
Selenium	78-2	563	672	644	627	9.06	cps
Selenium	82-1	30203	30151	30176	30177	0.09	cps
Silicon	28-1	1351598	1362168	1376165	1363310	0.90	cps
Silver	109-1	2339268	2346295	2325895	2337153	0.44	cps
Silver	107-1	2456161	2483873	2434829	2458288	1.00	cps
Sodium	23-2	1789659	1783308	1753240	1775402	1.10	cps
Strontium	86-1	605940	609527	606536	607335	0.32	cps
Strontium	88-1	5315015	5326353	5241150	5294173	0.87	cps
Sulfur	34-1	519814	521749	518442	520002	0.32	cps
Terbium	159-1	8785700	8705058	8741574	8744111	0.46	cps
Terbium	159-2	1768294	1762011	1735069	1755125	1.01	cps
Thallium	203-1	1767571	1789314	1784584	1780490	0.64	cps
Thallium	205-1	4228702	4202446	4180275	4203808	0.58	cps
Tin	118-1	1561706	1595942	1569201	1575616	1.14	cps
Titanium	47-1	249564	249070	251277	249970	0.46	cps
Uranium	238-1	5693476	5609203	5660148	5654276	0.75	cps
Vanadium	51-2	156375	154757	154669	155267	0.62	cps
Yttrium	89-1	6988358	6997695	6943986	6976680	0.41	cps
Yttrium	89-2	216348	213962	210675	213662	1.33	cps
Zinc	66-2	70083	70367	69299	69916	0.79	cps
Zirconium	90-1	3406679	3399176	3389757	3398537	0.25	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:40:54	DataFile Name :	009CALS_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	755780	755199	754578	755186	0.08	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:44:11	DataFile Name :	010CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	54480	54054	54296	54277	0.39	cps
Antimony	121-1	4720423	4766367	4767270	4751353	0.56	cps
Arsenic	75-2	49765	49549	48891	49402	0.92	cps
Barium	135-1	5033201	5036184	5029670	5033018	0.06	cps
Barium	137-1	8704921	8692769	8730530	8709406	0.22	cps
Beryllium	9-1	551551	554217	548710	551493	0.50	cps
Bismuth	209-1	5803593	5903283	5951572	5886149	1.28	cps
Bismuth	209-2	1443567	1437062	1442611	1441080	0.24	cps
Boron	10-1	63659	63550	64236	63815	0.58	cps
Boron	11-1	295485	300064	305530	300360	1.67	cps
Cadmium	111-1	1011337	1024415	1014341	1016698	0.67	cps
Cadmium	106-1	102916	104966	104353	104078	1.01	cps
Cadmium	108-1	70793	71175	70567	70845	0.43	cps
Calcium	43-1	943467	944986	937389	941947	0.43	cps
Calcium	44-1	15502052	15321843	15453521	15425805	0.60	cps
Chromium	52-2	395524	390744	390014	392094	0.76	cps
Cobalt	59-2	868887	856045	853013	859315	0.98	cps
Copper	63-2	1516596	1504378	1512856	1511277	0.41	cps
Dysprosium	156-1	75	117	117	103	23.41	cps
Dysprosium	156-2	10	13	7	10	33.30	cps
Erbium	164-1	33	58	58	50	28.88	cps
Erbium	164-2	10	7	10	9	21.63	cps
Gadolinium	160-1	92	133	125	117	18.90	cps
Gadolinium	160-2	27	13	7	16	65.47	cps
Holmium	165-1	9073126	9011331	8955484	9013314	0.65	cps
Holmium	165-2	1808939	1798443	1795479	1800954	0.39	cps
Indium	115-1	6841793	6893159	6872318	6869090	0.38	cps
Indium	115-2	276500	274018	273501	274673	0.58	cps
Iron	56-2	13553171	13292004	13415533	13420236	0.97	cps
Iron	57-2	341779	341727	338920	340809	0.48	cps
Lead	206-1	3131895	3130498	3142130	3134841	0.20	cps
Lead	207-1	2877683	2877507	2900110	2885100	0.45	cps
Lead	208-1	12652450	12742178	12824500	12739710	0.68	cps
Lithium	6-1	970155	991689	986938	982927	1.15	cps
Magnesium	24-2	1386133	1357444	1359045	1367541	1.18	cps
Manganese	55-2	221354	219763	215870	218996	1.29	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:44:11	DataFile Name :	010CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3718465	3736748	3700726	3718646	0.48	cps
Molybdenum	95-1	2037417	2019485	1993874	2016925	1.09	cps
Molybdenum	96-1	2615941	2574099	2567334	2585791	1.02	cps
Molybdenum	97-1	1231623	1227827	1227221	1228890	0.19	cps
Molybdenum	98-1	3233206	3241210	3191855	3222090	0.82	cps
Neodymium	150-1	187	240	140	189	26.49	cps
Neodymium	150-2	0	7	7	4	86.60	cps
Nickel	60-2	253936	253299	251247	252827	0.56	cps
Phosphorus	31-2	4309	3534	3834	3892	10.04	cps
Potassium	39-2	380143	372098	373007	375083	1.17	cps
Rhodium	103-1	6377406	6386069	6387740	6383738	0.09	cps
Rhodium	103-2	1636846	1638612	1648045	1641168	0.37	cps
Scandium	45-1	3896469	3890168	3913856	3900164	0.31	cps
Scandium	45-2	29498	28870	28639	29002	1.53	cps
Selenium	77-2	297	340	357	331	9.35	cps
Selenium	78-2	1009	1117	1054	1060	5.09	cps
Selenium	82-1	61253	61913	61831	61666	0.58	cps
Silicon	28-1	2238571	2256870	2269287	2254909	0.69	cps
Silver	109-1	4728181	4745202	4713744	4729042	0.33	cps
Silver	107-1	5006723	4956970	4926172	4963289	0.82	cps
Sodium	23-2	3232080	3216906	3201719	3216901	0.47	cps
Strontium	86-1	1250297	1245486	1244524	1246769	0.25	cps
Strontium	88-1	10755351	10745087	10668316	10722918	0.44	cps
Sulfur	34-1	639665	636295	635280	637080	0.36	cps
Terbium	159-1	9375876	9336619	9351302	9354599	0.21	cps
Terbium	159-2	1771036	1750238	1742929	1754734	0.83	cps
Thallium	203-1	3881933	3865168	3868376	3871826	0.23	cps
Thallium	205-1	9030467	9112366	9058767	9067200	0.46	cps
Tin	118-1	3289407	3279593	3315053	3294684	0.56	cps
Titanium	47-1	507341	503929	503941	505070	0.39	cps
Uranium	238-1	12172120	12419537	12562988	12384882	1.60	cps
Vanadium	51-2	292470	291511	287822	290601	0.84	cps
Yttrium	89-1	7173394	7109253	7186022	7156223	0.58	cps
Yttrium	89-2	205241	204260	205474	204992	0.31	cps
Zinc	66-2	135244	133690	132794	133909	0.93	cps
Zirconium	90-1	6970958	6958386	6943975	6957773	0.19	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:44:11	DataFile Name :	010CALS_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1577622	1573702	1586652	1579325	0.42	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:47:26	DataFile Name :	011CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	105448	104390	104718	104852	0.52	cps
Antimony	121-1	9569081	9590007	9524784	9561291	0.35	cps
Arsenic	75-2	95275	95180	95316	95257	0.07	cps
Barium	135-1	10118271	10190036	10168178	10158828	0.36	cps
Barium	137-1	17530934	17725537	17670981	17642484	0.57	cps
Beryllium	9-1	1050886	1081349	1091612	1074616	1.97	cps
Bismuth	209-1	6027683	6113259	6075043	6071995	0.71	cps
Bismuth	209-2	1428290	1433331	1427818	1429813	0.21	cps
Boron	10-1	122578	126453	125663	124898	1.64	cps
Boron	11-1	572853	586187	593113	584051	1.76	cps
Cadmium	111-1	2028452	2066151	2039344	2044649	0.95	cps
Cadmium	106-1	207044	203869	204369	205094	0.83	cps
Cadmium	108-1	141227	143415	140443	141695	1.09	cps
Calcium	43-1	1850267	1881192	1888642	1873367	1.09	cps
Calcium	44-1	29771110	30277538	30490343	30179664	1.22	cps
Chromium	52-2	761492	756958	758987	759146	0.30	cps
Cobalt	59-2	1690514	1678818	1674302	1681211	0.50	cps
Copper	63-2	2928550	2914049	2905916	2916171	0.39	cps
Dysprosium	156-1	175	133	117	142	21.21	cps
Dysprosium	156-2	7	10	3	7	50.03	cps
Erbium	164-1	83	33	50	56	45.83	cps
Erbium	164-2	7	7	13	9	43.25	cps
Gadolinium	160-1	133	125	108	122	10.41	cps
Gadolinium	160-2	17	10	27	18	47.19	cps
Holmium	165-1	9293193	9199993	9134667	9209284	0.87	cps
Holmium	165-2	1793628	1832885	1809818	1812110	1.09	cps
Indium	115-1	6912565	6952135	6825691	6896797	0.94	cps
Indium	115-2	264205	265497	264187	264630	0.28	cps
Iron	56-2	26200821	26068631	25797964	26022472	0.79	cps
Iron	57-2	661519	657931	656710	658720	0.38	cps
Lead	206-1	6332735	6351691	6370729	6351718	0.30	cps
Lead	207-1	5774160	5841380	5869475	5828338	0.84	cps
Lead	208-1	25698601	26008309	26073924	25926944	0.77	cps
Lithium	6-1	963420	980612	983250	975761	1.10	cps
Magnesium	24-2	2593714	2605831	2622503	2607349	0.55	cps
Manganese	55-2	423446	423142	422640	423076	0.10	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:47:26	DataFile Name :	011CALC_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7364887	7301806	7428882	7365191	0.86	cps
Molybdenum	95-1	3973629	3968449	4046678	3996252	1.09	cps
Molybdenum	96-1	5033288	5081729	5123011	5079343	0.88	cps
Molybdenum	97-1	2454897	2458493	2460889	2458093	0.12	cps
Molybdenum	98-1	6350668	6361235	6351368	6354424	0.09	cps
Neodymium	150-1	447	307	413	389	18.81	cps
Neodymium	150-2	10	13	0	8	89.21	cps
Nickel	60-2	485508	482499	480962	482990	0.48	cps
Phosphorus	31-2	7377	7436	7536	7450	1.08	cps
Potassium	39-2	719592	714946	708516	714351	0.78	cps
Rhodium	103-1	6363016	6279652	6313195	6318621	0.66	cps
Rhodium	103-2	1617299	1613746	1593639	1608228	0.79	cps
Scandium	45-1	3737620	3861240	3792015	3796958	1.63	cps
Scandium	45-2	28963	28643	28569	28725	0.73	cps
Selenium	77-2	613	580	687	627	8.71	cps
Selenium	78-2	2193	2102	2141	2145	2.12	cps
Selenium	82-1	121479	121011	121548	121346	0.24	cps
Silicon	28-1	3769997	3817882	3762670	3783516	0.79	cps
Silver	109-1	9240528	9431228	9348740	9340165	1.02	cps
Silver	107-1	9654545	9777138	9734889	9722191	0.64	cps
Sodium	23-2	6108121	6084265	6046842	6079742	0.51	cps
Strontium	86-1	2469326	2526906	2526916	2507716	1.33	cps
Strontium	88-1	21248949	21213182	21359656	21273929	0.36	cps
Sulfur	34-1	878771	883149	881604	881175	0.25	cps
Terbium	159-1	9669462	9570847	9586265	9608858	0.55	cps
Terbium	159-2	1758389	1747649	1752375	1752804	0.31	cps
Thallium	203-1	7800582	7829055	7734060	7787899	0.63	cps
Thallium	205-1	18380405	18429708	18541810	18450641	0.45	cps
Tin	118-1	6551633	6573395	6504971	6543333	0.53	cps
Titanium	47-1	980879	979650	981561	980697	0.10	cps
Uranium	238-1	26028564	26152722	26532724	26238003	1.00	cps
Vanadium	51-2	564664	566814	560980	564152	0.52	cps
Yttrium	89-1	7199003	7285900	7220402	7235101	0.63	cps
Yttrium	89-2	201201	202005	199958	201055	0.51	cps
Zinc	66-2	255538	258907	256234	256893	0.69	cps
Zirconium	90-1	13813725	13829526	13933350	13858867	0.47	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:47:26	DataFile Name :	011CALS_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	3111752	3121889	3167192	3133611	0.94	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:50:34	DataFile Name :	012CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	584801	583049	585987	584612	0.25	cps
Antimony	121-1	11364	11289	11330	11328	0.33	cps
Arsenic	75-2	24	39	41	35	26.43	cps
Barium	135-1	2800	2584	2584	2656	4.71	cps
Barium	137-1	4418	5076	4643	4712	7.10	cps
Beryllium	9-1	183	267	189	213	21.88	cps
Bismuth	209-1	5489659	5581743	5473471	5514958	1.06	cps
Bismuth	209-2	1343452	1362843	1363080	1356458	0.83	cps
Boron	10-1	4701	4584	4201	4495	5.82	cps
Boron	11-1	22343	21208	19981	21178	5.58	cps
Cadmium	111-1	1158	1169	1162	1163	0.45	cps
Cadmium	106-1	1492	1417	1417	1442	3.00	cps
Cadmium	108-1	33	21	13	22	47.18	cps
Calcium	43-1	9642402	9784680	9839759	9755614	1.04	cps
Calcium	44-1	158941812	158146804	160330858	159139824	0.69	cps
Chromium	52-2	12242	12012	12326	12193	1.33	cps
Cobalt	59-2	2137	2054	2157	2116	2.59	cps
Copper	63-2	3567	3284	3420	3424	4.14	cps
Dysprosium	156-1	58	83	42	61	34.32	cps
Dysprosium	156-2	10	3	10	8	49.52	cps
Erbium	164-1	42	58	67	56	22.91	cps
Erbium	164-2	10	10	0	7	86.60	cps
Gadolinium	160-1	117	75	142	111	30.32	cps
Gadolinium	160-2	13	13	17	14	13.35	cps
Holmium	165-1	9003530	8956930	8884222	8948227	0.67	cps
Holmium	165-2	1811819	1857719	1838455	1835998	1.26	cps
Indium	115-1	6687941	6714157	6741155	6714418	0.40	cps
Indium	115-2	276136	276174	277343	276551	0.25	cps
Iron	56-2	134676061	133888442	134467122	134343875	0.30	cps
Iron	57-2	3416466	3428306	3409862	3418211	0.27	cps
Lead	206-1	6802	7080	6785	6889	2.40	cps
Lead	207-1	6035	6157	5924	6039	1.93	cps
Lead	208-1	27373	27623	27140	27379	0.88	cps
Lithium	6-1	982079	1012299	980234	991537	1.82	cps
Magnesium	24-2	13985829	13820044	13967963	13924612	0.65	cps
Manganese	55-2	1727	1690	1650	1689	2.27	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:50:34	DataFile Name :	012CAL5_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	6435	5835	6052	6107	4.98	cps
Molybdenum	95-1	8745	8795	8770	8770	0.29	cps
Molybdenum	96-1	11781	12431	11914	12042	2.85	cps
Molybdenum	97-1	5360	5918	5426	5568	5.48	cps
Molybdenum	98-1	14333	14366	14492	14397	0.58	cps
Neodymium	150-1	93	120	80	98	20.83	cps
Neodymium	150-2	20	27	10	19	44.42	cps
Nickel	60-2	4851	4858	5251	4987	4.59	cps
Phosphorus	31-2	17	8	25	17	50.01	cps
Potassium	39-2	3972356	3994682	4023885	3996974	0.65	cps
Rhodium	103-1	6040413	6039946	5972622	6017661	0.65	cps
Rhodium	103-2	1577418	1584343	1585213	1582325	0.27	cps
Scandium	45-1	3850102	3872413	3859967	3860827	0.29	cps
Scandium	45-2	30346	30911	30446	30568	0.99	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	7	2	6	5	57.32	cps
Selenium	82-1	93	91	72	86	13.60	cps
Silicon	28-1	527858	544082	552556	541498	2.32	cps
Silver	109-1	925	900	1008	945	6.01	cps
Silver	107-1	1200	1067	800	1022	19.93	cps
Sodium	23-2	32914090	32622360	32709314	32748588	0.46	cps
Strontium	86-1	86323	83739	86624	85562	1.85	cps
Strontium	88-1	731292	738977	738924	736398	0.60	cps
Sulfur	34-1	350302	357877	361182	356453	1.56	cps
Terbium	159-1	9224067	9320357	9302406	9282276	0.55	cps
Terbium	159-2	1751656	1794626	1772215	1772832	1.21	cps
Thallium	203-1	2709	2534	2375	2539	6.57	cps
Thallium	205-1	6552	6644	5852	6349	6.82	cps
Tin	118-1	7519	7311	7052	7294	3.21	cps
Titanium	47-1	750	633	683	689	8.50	cps
Uranium	238-1	1867	2059	1734	1886	8.66	cps
Vanadium	51-2	143	173	117	144	19.63	cps
Yttrium	89-1	7124080	7120701	7100151	7114977	0.18	cps
Yttrium	89-2	209752	213694	213538	212328	1.05	cps
Zinc	66-2	663	630	600	631	5.02	cps
Zirconium	90-1	2184	2025	2067	2092	3.92	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 11:50:34	DataFile Name :	012CALS_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	667	458	442	522	24.02	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:10:29	DataFile Name :	016ICV01_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3067	2717	2942	2909	6.10	cps
Antimony	121-1	1890484	1899782	1884189	1891485	0.41	cps
Arsenic	75-2	19473	19683	19759	19638	0.75	cps
Barium	135-1	195726	198329	194874	196310	0.92	cps
Barium	137-1	346496	343655	343345	344499	0.50	cps
Beryllium	9-1	108473	108718	108149	108447	0.26	cps
Bismuth	209-1	6054909	6047614	5960786	6021103	0.87	cps
Bismuth	209-2	1466251	1463387	1453979	1461206	0.44	cps
Boron	10-1	67400	68966	71178	69181	2.74	cps
Boron	11-1	321813	330342	330223	327459	1.49	cps
Cadmium	111-1	208881	209787	205826	208165	1.00	cps
Cadmium	106-1	33183	32315	32582	32694	1.36	cps
Cadmium	108-1	18563	18634	18158	18452	1.39	cps
Calcium	43-1	42842	43193	44029	43354	1.41	cps
Calcium	44-1	685106	681466	679051	681875	0.45	cps
Chromium	52-2	80171	79099	79407	79559	0.69	cps
Cobalt	59-2	177048	175954	176583	176528	0.31	cps
Copper	63-2	158252	154653	155589	156165	1.20	cps
Dysprosium	156-1	17	17	8	14	34.67	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	83	75	117	92	24.05	cps
Erbium	164-2	10	13	10	11	17.30	cps
Gadolinium	160-1	67	67	67	67	0.00	cps
Gadolinium	160-2	13	7	20	13	49.99	cps
Holmium	165-1	8935313	9069408	8989284	8998001	0.75	cps
Holmium	165-2	1812904	1823951	1818560	1818472	0.30	cps
Indium	115-1	7108663	7129464	6988989	7075705	1.07	cps
Indium	115-2	282219	280299	279605	280708	0.48	cps
Iron	56-2	550906	553710	544481	549699	0.86	cps
Iron	57-2	13590	13401	13601	13531	0.83	cps
Lead	206-1	1233922	1234212	1230984	1233039	0.14	cps
Lead	207-1	1072642	1079012	1078843	1076832	0.34	cps
Lead	208-1	4992314	5070918	4990416	5017883	0.92	cps
Lithium	6-1	1033373	1039726	1008530	1027210	1.60	cps
Magnesium	24-2	33917	33716	33624	33752	0.44	cps
Manganese	55-2	22749	22328	22622	22566	0.96	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:10:29	DataFile Name :	016ICV01_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3724770	3728983	3661309	3705021	1.02	cps
Molybdenum	95-1	2024676	1992146	2009938	2008920	0.81	cps
Molybdenum	96-1	2601781	2609028	2609804	2606871	0.17	cps
Molybdenum	97-1	1214859	1220635	1215382	1216958	0.26	cps
Molybdenum	98-1	3201160	3240825	3205270	3215752	0.68	cps
Neodymium	150-1	27	13	27	22	34.66	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	52609	51692	52198	52166	0.88	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	34727	32605	33541	33624	3.16	cps
Rhodium	103-1	6618544	6658633	6614227	6630468	0.37	cps
Rhodium	103-2	1700476	1692580	1694318	1695791	0.24	cps
Scandium	45-1	3995007	3942434	3913668	3950370	1.04	cps
Scandium	45-2	30600	30954	30259	30605	1.14	cps
Selenium	77-2	143	87	140	123	25.78	cps
Selenium	78-2	506	441	454	467	7.35	cps
Selenium	82-1	24614	24344	24673	24544	0.72	cps
Silicon	28-1	1956551	1988605	1962015	1969057	0.87	cps
Silver	109-1	935094	940439	925480	933671	0.81	cps
Silver	107-1	983946	975799	978909	979552	0.42	cps
Sodium	23-2	143266	140209	139577	141017	1.40	cps
Strontium	86-1	1248517	1247907	1242293	1246239	0.28	cps
Strontium	88-1	10819011	10855087	10754026	10809375	0.47	cps
Sulfur	34-1	353701	348915	348373	350330	0.84	cps
Terbium	159-1	9402008	9440103	9313909	9385340	0.69	cps
Terbium	159-2	1778313	1769361	1754335	1767336	0.69	cps
Thallium	203-1	1526978	1533704	1517569	1526083	0.53	cps
Thallium	205-1	3749437	3764264	3705633	3739778	0.82	cps
Tin	118-1	3340282	3344219	3304310	3329604	0.66	cps
Titanium	47-1	506629	505761	499093	503827	0.82	cps
Uranium	238-1	13149780	13225536	13030445	13135254	0.75	cps
Vanadium	51-2	58669	58117	58759	58515	0.59	cps
Yttrium	89-1	7284200	7304564	7223166	7270644	0.58	cps
Yttrium	89-2	210740	211349	209375	210488	0.48	cps
Zinc	66-2	27491	27491	27284	27422	0.44	cps
Zirconium	90-1	6878815	6945173	6875433	6899807	0.57	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:10:29	DataFile Name :	016ICV01_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1569573	1571570	1544292	1561812	0.97	cps

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 12:13:34 DataFile Name : 017CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	17	17	17	0.00	cps
Antimony	121-1	1075	1292	1267	1211	9.79	cps
Arsenic	75-2	7	6	4	6	33.38	cps
Barium	135-1	8	42	50	33	66.15	cps
Barium	137-1	58	67	83	69	18.33	cps
Beryllium	9-1	150	61	83	98	47.13	cps
Bismuth	209-1	5861216	5827195	5799277	5829229	0.53	cps
Bismuth	209-2	1455168	1445871	1442751	1447930	0.45	cps
Boron	10-1	2767	2442	2375	2528	8.29	cps
Boron	11-1	11472	10796	10805	11024	3.52	cps
Cadmium	111-1	937	1090	862	963	12.06	cps
Cadmium	106-1	1333	1542	1208	1361	12.37	cps
Cadmium	108-1	13	8	13	11	21.67	cps
Calcium	43-1	1442	1325	1267	1345	6.63	cps
Calcium	44-1	19047	17845	18838	18577	3.46	cps
Chromium	52-2	780	780	763	774	1.24	cps
Cobalt	59-2	50	47	53	50	6.66	cps
Copper	63-2	167	147	137	150	10.18	cps
Dysprosium	156-1	25	0	8	11	114.58	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	33	58	33	42	34.65	cps
Erbium	164-2	10	3	10	8	49.52	cps
Gadolinium	160-1	67	42	33	47	36.74	cps
Gadolinium	160-2	10	7	10	9	21.63	cps
Holmium	165-1	8833395	8790603	8672938	8765645	0.95	cps
Holmium	165-2	1800444	1789397	1793236	1794359	0.31	cps
Indium	115-1	6949103	6969103	6916460	6944889	0.38	cps
Indium	115-2	284426	283040	280473	282646	0.71	cps
Iron	56-2	1717	1528	1806	1683	8.43	cps
Iron	57-2	28	72	44	48	46.62	cps
Lead	206-1	839	967	906	904	7.07	cps
Lead	207-1	795	789	861	815	4.93	cps
Lead	208-1	3617	3656	3506	3593	2.17	cps
Lithium	6-1	983228	995358	994512	991032	0.68	cps
Magnesium	24-2	58	117	100	92	32.77	cps
Manganese	55-2	17	40	33	30	40.05	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:13:34	DataFile Name :	017CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	517	450	558	508	10.75	cps
Molybdenum	95-1	375	367	408	383	5.75	cps
Molybdenum	96-1	550	483	500	511	6.79	cps
Molybdenum	97-1	383	200	225	269	36.90	cps
Molybdenum	98-1	667	625	592	628	5.99	cps
Neodymium	150-1	7	13	13	11	34.61	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	67	57	80	68	17.27	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	2609	2559	2767	2645	4.11	cps
Rhodium	103-1	6522616	6427341	6486490	6478816	0.74	cps
Rhodium	103-2	1695221	1700081	1694171	1696491	0.19	cps
Scandium	45-1	3863668	3856265	3857658	3859197	0.10	cps
Scandium	45-2	30323	30440	30400	30387	0.20	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	0	2	1	86.60	cps
Selenium	82-1	97	-79	-66	-16	-602.16	cps
Silicon	28-1	348564	347335	345314	347071	0.47	cps
Silver	109-1	217	200	167	194	13.09	cps
Silver	107-1	192	175	233	200	15.02	cps
Sodium	23-2	12214	12648	12197	12353	2.07	cps
Strontium	86-1	650	683	700	678	3.76	cps
Strontium	88-1	800	742	808	783	4.64	cps
Sulfur	34-1	341468	343876	347861	344402	0.94	cps
Terbium	159-1	9139883	9113806	9020630	9091440	0.69	cps
Terbium	159-2	1771219	1735355	1745775	1750783	1.05	cps
Thallium	203-1	483	533	475	497	6.35	cps
Thallium	205-1	1317	1242	1225	1261	3.87	cps
Tin	118-1	2634	2750	2367	2584	7.61	cps
Titanium	47-1	142	133	183	153	17.53	cps
Uranium	238-1	750	833	725	770	7.37	cps
Vanadium	51-2	17	10	7	11	45.82	cps
Yttrium	89-1	7156145	7026507	7137011	7106555	0.98	cps
Yttrium	89-2	208470	207660	208363	208164	0.21	cps
Zinc	66-2	53	53	103	70	41.25	cps
Zirconium	90-1	750	725	675	717	5.33	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:13:34	DataFile Name :	017CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	133	192	142	156	20.28	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:16:44	DataFile Name :	018ICSA01_P8101017 N

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	498026	496449	494103	496193	0.40	cps
Antimony	121-1	10146	11172	11113	10810	5.33	cps
Arsenic	75-2	19	24	30	24	23.08	cps
Barium	135-1	3084	3101	2925	3037	3.18	cps
Barium	137-1	5326	5135	5285	5249	1.92	cps
Beryllium	9-1	267	294	322	294	9.43	cps
Bismuth	209-1	5642191	5704225	5589194	5645203	1.02	cps
Bismuth	209-2	1374252	1369925	1361656	1368611	0.47	cps
Boron	10-1	1992	1742	1892	1875	6.71	cps
Boron	11-1	8711	8194	8186	8364	3.60	cps
Cadmium	111-1	1568	1413	1466	1482	5.32	cps
Cadmium	106-1	1350	1242	1358	1317	4.94	cps
Cadmium	108-1	908	867	979	918	6.20	cps
Calcium	43-1	1818987	1838852	1825829	1827889	0.55	cps
Calcium	44-1	29456656	29290184	29340470	29362437	0.29	cps
Chromium	52-2	15799	16186	15926	15970	1.24	cps
Cobalt	59-2	1950	2027	2034	2004	2.31	cps
Copper	63-2	11325	11158	11372	11285	0.99	cps
Dysprosium	156-1	83	25	50	53	55.46	cps
Dysprosium	156-2	10	13	0	8	89.21	cps
Erbium	164-1	58	67	50	58	14.29	cps
Erbium	164-2	3	10	7	7	50.03	cps
Gadolinium	160-1	50	17	133	67	90.14	cps
Gadolinium	160-2	17	3	3	8	99.04	cps
Holmium	165-1	8862604	8789940	8835459	8829334	0.42	cps
Holmium	165-2	1789222	1779364	1768779	1779122	0.57	cps
Indium	115-1	6788304	6796729	6680485	6755173	0.96	cps
Indium	115-2	269155	274849	272893	272299	1.06	cps
Iron	56-2	51342308	50898433	51025312	51088684	0.45	cps
Iron	57-2	1276313	1283293	1288604	1282737	0.48	cps
Lead	206-1	31373	31016	30053	30814	2.22	cps
Lead	207-1	25560	24836	24396	24931	2.36	cps
Lead	208-1	120358	117753	115027	117712	2.26	cps
Lithium	6-1	929205	897709	893476	906797	2.15	cps
Magnesium	24-2	2622332	2615994	2642262	2626863	0.52	cps
Manganese	55-2	1730	1590	1707	1676	4.48	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:16:44	DataFile Name :	018ICSA01_P8101017 M

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4124340	4169615	4142750	4145569	0.55	cps
Molybdenum	95-1	7208664	7179264	7206637	7198188	0.23	cps
Molybdenum	96-1	7757295	7703768	7690246	7717103	0.46	cps
Molybdenum	97-1	4440886	4479428	4492698	4471004	0.60	cps
Molybdenum	98-1	11577091	11583735	11641686	11600837	0.31	cps
Neodymium	150-1	40	33	67	47	37.80	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	2497	2847	2504	2616	7.65	cps
Phosphorus	31-2	37910	38144	36665	37573	2.12	cps
Potassium	39-2	1497052	1484295	1499254	1493534	0.54	cps
Rhodium	103-1	6201050	6197388	6210316	6202918	0.11	cps
Rhodium	103-2	1587032	1607258	1619714	1604668	1.03	cps
Scandium	45-1	3771908	3767959	3785800	3775222	0.25	cps
Scandium	45-2	29668	30036	29665	29790	0.72	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	0	0	2	1	173.21	cps
Selenium	82-1	8	6	43	19	109.66	cps
Silicon	28-1	449094	447741	482534	459790	4.29	cps
Silver	109-1	1625	1642	1525	1597	3.95	cps
Silver	107-1	1600	1750	1650	1667	4.58	cps
Sodium	23-2	6158987	6221491	6208334	6196271	0.53	cps
Strontium	86-1	79993	80571	79129	79898	0.91	cps
Strontium	88-1	682980	691210	689729	687973	0.64	cps
Sulfur	34-1	2347833	2324774	2372378	2348328	1.01	cps
Terbium	159-1	9179633	9185928	9147569	9171044	0.22	cps
Terbium	159-2	1728914	1721040	1703625	1717860	0.75	cps
Thallium	203-1	1000	942	1150	1031	10.43	cps
Thallium	205-1	2200	2467	2792	2486	11.92	cps
Tin	118-1	2742	2467	2559	2589	5.41	cps
Titanium	47-1	1886030	1882805	1877967	1882267	0.22	cps
Uranium	238-1	617	583	500	567	10.60	cps
Vanadium	51-2	120	123	80	108	22.38	cps
Yttrium	89-1	6985740	7063124	7092640	7047168	0.78	cps
Yttrium	89-2	205334	207900	206213	206482	0.63	cps
Zinc	66-2	1487	1537	1440	1488	3.25	cps
Zirconium	90-1	1650	1350	1467	1489	10.16	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:16:44	DataFile Name :	018ICSA01_P8101017 M

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	342	233	375	317	23.39	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:19:50	DataFile Name :	019ICSB_P8101017 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	519875	509686	507821	512461	1.27	cps
Antimony	121-1	179483	176342	180960	178928	1.32	cps
Arsenic	75-2	1893	1891	1746	1843	4.55	cps
Barium	135-1	39661	39485	40195	39780	0.93	cps
Barium	137-1	69709	69240	68453	69134	0.92	cps
Beryllium	9-1	20064	19252	18996	19438	2.87	cps
Bismuth	209-1	5543777	5454053	5402760	5466863	1.31	cps
Bismuth	209-2	1377149	1379795	1363571	1373505	0.63	cps
Boron	10-1	9754	9562	9987	9768	2.18	cps
Boron	11-1	44629	45765	46183	45526	1.77	cps
Cadmium	111-1	38235	37104	37886	37742	1.53	cps
Cadmium	106-1	6035	6002	5843	5960	1.72	cps
Cadmium	108-1	3855	4117	4030	4001	3.34	cps
Calcium	43-1	1861589	1866565	1835732	1854629	0.89	cps
Calcium	44-1	29932919	30130393	30030135	30031149	0.33	cps
Chromium	52-2	31576	31409	31519	31501	0.27	cps
Cobalt	59-2	35438	34603	34750	34931	1.28	cps
Copper	63-2	39703	40095	39827	39875	0.50	cps
Dysprosium	156-1	8	8	50	22	108.27	cps
Dysprosium	156-2	23	0	17	13	90.13	cps
Erbium	164-1	42	33	58	44	28.65	cps
Erbium	164-2	13	20	13	16	24.76	cps
Gadolinium	160-1	83	133	108	108	23.08	cps
Gadolinium	160-2	20	10	20	17	34.64	cps
Holmium	165-1	8666649	8631525	8700857	8666344	0.40	cps
Holmium	165-2	1795760	1785830	1784571	1788720	0.34	cps
Indium	115-1	6754935	6771269	6809484	6778563	0.41	cps
Indium	115-2	281120	277933	277731	278928	0.68	cps
Iron	56-2	52799514	52143776	52170482	52371257	0.71	cps
Iron	57-2	1327956	1319681	1300561	1316066	1.07	cps
Lead	206-1	137964	138362	135891	137406	0.97	cps
Lead	207-1	117361	115106	114619	115695	1.26	cps
Lead	208-1	540813	537547	531078	536479	0.92	cps
Lithium	6-1	891324	879562	878141	883009	0.82	cps
Magnesium	24-2	2732704	2702565	2687313	2707527	0.85	cps
Manganese	55-2	6215	6058	6115	6129	1.29	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:19:50	DataFile Name :	019ICSB_P8101017 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4652866	4664882	4559855	4625868	1.24	cps
Molybdenum	95-1	7553086	7533744	7412375	7499735	1.02	cps
Molybdenum	96-1	8019718	8215269	8043963	8092984	1.32	cps
Molybdenum	97-1	4677785	4674876	4664371	4672344	0.15	cps
Molybdenum	98-1	11993233	12154024	11991193	12046150	0.78	cps
Neodymium	150-1	87	73	53	71	23.59	cps
Neodymium	150-2	3	10	13	9	57.30	cps
Nickel	60-2	12563	12312	12052	12309	2.07	cps
Phosphorus	31-2	39272	38210	38353	38612	1.49	cps
Potassium	39-2	1572676	1565738	1526620	1555012	1.60	cps
Rhodium	103-1	6128819	6229727	6161438	6173328	0.83	cps
Rhodium	103-2	1630991	1620360	1610409	1620587	0.64	cps
Scandium	45-1	3820738	3798999	3855316	3825017	0.74	cps
Scandium	45-2	31338	30507	30286	30710	1.81	cps
Selenium	77-2	17	17	23	19	20.36	cps
Selenium	78-2	59	41	37	46	26.06	cps
Selenium	82-1	2238	2152	2157	2182	2.21	cps
Silicon	28-1	706207	711570	710105	709294	0.39	cps
Silver	109-1	161271	160402	158826	160167	0.77	cps
Silver	107-1	168761	168491	169030	168761	0.16	cps
Sodium	23-2	6358145	6338747	6314627	6337173	0.34	cps
Strontium	86-1	232413	231474	230479	231456	0.42	cps
Strontium	88-1	2046720	2051036	2030020	2042592	0.54	cps
Sulfur	34-1	2410906	2388275	2412397	2403860	0.56	cps
Terbium	159-1	9052321	9027330	9016825	9032159	0.20	cps
Terbium	159-2	1743035	1754725	1729299	1742353	0.73	cps
Thallium	203-1	137799	135207	136076	136360	0.97	cps
Thallium	205-1	326628	321675	323002	323768	0.79	cps
Tin	118-1	393953	390056	396583	393531	0.83	cps
Titanium	47-1	2001689	1991592	1986561	1993281	0.39	cps
Uranium	238-1	1443255	1434420	1433150	1436942	0.38	cps
Vanadium	51-2	11135	10958	11195	11096	1.11	cps
Yttrium	89-1	7138389	7030737	7095961	7088362	0.77	cps
Yttrium	89-2	212184	210021	209636	210614	0.65	cps
Zinc	66-2	4107	3824	4041	3991	3.71	cps
Zirconium	90-1	840285	843577	844986	842949	0.29	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:19:50	DataFile Name :	019ICSB_P8101017 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	188538	187149	187889	187859	0.37	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV36	Instrumnet Name :	P8
Client Sample ID :	CCV36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:22:55	DataFile Name :	020CCV_P8101017 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	284457	287165	282812	284811	0.77	cps
Antimony	121-1	4580550	4569093	4521246	4556963	0.69	cps
Arsenic	75-2	48799	48148	48884	48610	0.83	cps
Barium	135-1	4970181	4970095	4995473	4978583	0.29	cps
Barium	137-1	8562284	8580951	8611631	8584955	0.29	cps
Beryllium	9-1	512937	511531	513094	512521	0.17	cps
Bismuth	209-1	5538139	5523286	5576022	5545816	0.49	cps
Bismuth	209-2	1370788	1368620	1356099	1365169	0.58	cps
Boron	10-1	61164	63524	63541	62743	2.18	cps
Boron	11-1	283686	293178	297468	291444	2.42	cps
Cadmium	111-1	940813	930041	938019	936291	0.60	cps
Cadmium	106-1	97695	98475	98952	98374	0.64	cps
Cadmium	108-1	65672	65579	65328	65526	0.27	cps
Calcium	43-1	4706780	4684254	4722459	4704498	0.41	cps
Calcium	44-1	76482891	77507216	77083023	77024377	0.67	cps
Chromium	52-2	393967	395875	395921	395254	0.28	cps
Cobalt	59-2	830802	830316	832129	831082	0.11	cps
Copper	63-2	1449961	1450177	1442806	1447648	0.29	cps
Dysprosium	156-1	150	108	100	119	22.43	cps
Dysprosium	156-2	13	27	20	20	33.35	cps
Erbium	164-1	75	75	67	72	6.66	cps
Erbium	164-2	13	13	10	12	15.73	cps
Gadolinium	160-1	167	125	142	144	14.52	cps
Gadolinium	160-2	13	23	23	20	28.87	cps
Holmium	165-1	8747722	8631371	8787469	8722187	0.93	cps
Holmium	165-2	1795442	1832621	1792127	1806730	1.24	cps
Indium	115-1	6651004	6608547	6653253	6637601	0.38	cps
Indium	115-2	271395	271580	272132	271702	0.14	cps
Iron	56-2	65984790	65601413	65630699	65738967	0.32	cps
Iron	57-2	1694907	1691007	1695910	1693942	0.15	cps
Lead	206-1	2893505	2924583	2915396	2911161	0.55	cps
Lead	207-1	2645153	2714747	2671917	2677273	1.31	cps
Lead	208-1	11825889	11884962	11838995	11849948	0.26	cps
Lithium	6-1	956281	957068	976411	963253	1.18	cps
Magnesium	24-2	6840015	6890806	6865678	6865499	0.37	cps
Manganese	55-2	219932	220499	221596	220676	0.38	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV36	Instrumnet Name :	P8
Client Sample ID :	CCV36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:22:55	DataFile Name :	020CCV_P8101017 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3780952	3724215	3712588	3739252	0.98	cps
Molybdenum	95-1	1999384	1997107	2016428	2004307	0.53	cps
Molybdenum	96-1	2559733	2553606	2567039	2560126	0.26	cps
Molybdenum	97-1	1224654	1223970	1210495	1219706	0.65	cps
Molybdenum	98-1	3234812	3210751	3213314	3219626	0.41	cps
Neodymium	150-1	200	267	240	236	14.24	cps
Neodymium	150-2	10	13	3	9	57.30	cps
Nickel	60-2	241776	243254	241708	242246	0.36	cps
Phosphorus	31-2	3884	3867	4184	3979	4.48	cps
Potassium	39-2	1977825	1975243	1981509	1978192	0.16	cps
Rhodium	103-1	6064639	6126173	6092195	6094336	0.51	cps
Rhodium	103-2	1579466	1586711	1556155	1574111	1.01	cps
Scandium	45-1	3834586	3807915	3873619	3838706	0.86	cps
Scandium	45-2	30400	30216	30406	30341	0.36	cps
Selenium	77-2	297	340	373	337	11.42	cps
Selenium	78-2	1085	1141	1141	1122	2.86	cps
Selenium	82-1	58081	58111	57965	58052	0.13	cps
Silicon	28-1	2202421	2249337	2254332	2235363	1.28	cps
Silver	109-1	4436859	4373420	4387137	4399139	0.76	cps
Silver	107-1	4609696	4555253	4578734	4581228	0.60	cps
Sodium	23-2	16256094	16074140	16023502	16117912	0.76	cps
Strontium	86-1	1275654	1276644	1270841	1274380	0.24	cps
Strontium	88-1	10938777	10932366	10856461	10909201	0.42	cps
Sulfur	34-1	611940	620669	616168	616259	0.71	cps
Terbium	159-1	9117556	9114541	9163733	9131943	0.30	cps
Terbium	159-2	1752541	1734318	1721528	1736129	0.90	cps
Thallium	203-1	3565805	3564506	3571050	3567120	0.10	cps
Thallium	205-1	8356732	8382032	8362616	8367127	0.16	cps
Tin	118-1	3270130	3219575	3232014	3240573	0.81	cps
Titanium	47-1	502564	505259	502821	503548	0.30	cps
Uranium	238-1	12203454	12261788	12260305	12241849	0.27	cps
Vanadium	51-2	291709	292746	292654	292370	0.20	cps
Yttrium	89-1	6997832	7038521	7102602	7046318	0.75	cps
Yttrium	89-2	210404	208614	209348	209455	0.43	cps
Zinc	66-2	129682	128997	130362	129680	0.53	cps
Zirconium	90-1	7024686	6972137	6930914	6975913	0.67	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV36	Instrumnet Name :	P8
Client Sample ID :	CCV36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:22:55	DataFile Name :	020CCV_P8101017 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1590901	1570508	1589375	1583595	0.72	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB36	Instrumnet Name :	P8
Client Sample ID :	CCB36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:25:54	DataFile Name :	021CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	33	67	36	81.06	cps
Antimony	121-1	2309	2084	2517	2303	9.41	cps
Arsenic	75-2	9	9	6	8	26.61	cps
Barium	135-1	175	167	267	203	27.36	cps
Barium	137-1	175	283	367	275	34.95	cps
Beryllium	9-1	178	161	83	141	35.82	cps
Bismuth	209-1	5891779	5942584	5843895	5892753	0.84	cps
Bismuth	209-2	1404003	1435453	1455908	1431788	1.83	cps
Boron	10-1	2175	2150	2075	2134	2.44	cps
Boron	11-1	11005	10663	9470	10379	7.76	cps
Cadmium	111-1	1065	909	929	968	8.77	cps
Cadmium	106-1	1459	1250	1250	1320	9.12	cps
Cadmium	108-1	8	17	13	13	33.36	cps
Calcium	43-1	1442	1475	1534	1483	3.13	cps
Calcium	44-1	21860	21284	22644	21929	3.11	cps
Chromium	52-2	830	727	650	736	12.28	cps
Cobalt	59-2	33	37	60	43	33.53	cps
Copper	63-2	260	237	200	232	13.03	cps
Dysprosium	156-1	17	17	17	17	0.00	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	33	17	17	22	43.28	cps
Erbium	164-2	10	3	10	8	49.52	cps
Gadolinium	160-1	50	17	75	47	61.97	cps
Gadolinium	160-2	3	0	13	6	124.93	cps
Holmium	165-1	8726899	8775683	8685032	8729205	0.52	cps
Holmium	165-2	1728083	1769882	1788514	1762160	1.76	cps
Indium	115-1	7062618	6907147	6934873	6968212	1.19	cps
Indium	115-2	274290	284698	282616	280535	1.96	cps
Iron	56-2	3434	3401	3128	3321	5.05	cps
Iron	57-2	83	100	89	91	9.35	cps
Lead	206-1	1467	1461	1350	1426	4.62	cps
Lead	207-1	1272	1328	1328	1309	2.45	cps
Lead	208-1	5801	5801	5801	5801	0.00	cps
Lithium	6-1	997991	994639	1001679	998103	0.35	cps
Magnesium	24-2	242	292	250	261	10.26	cps
Manganese	55-2	37	27	33	32	15.80	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB36	Instrumnet Name :	P8
Client Sample ID :	CCB36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:25:54	DataFile Name :	021CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	850	883	700	811	12.04	cps
Molybdenum	95-1	742	717	600	686	11.02	cps
Molybdenum	96-1	1050	842	842	911	13.20	cps
Molybdenum	97-1	558	492	417	489	14.50	cps
Molybdenum	98-1	1350	1150	1275	1258	8.03	cps
Neodymium	150-1	0	20	0	7	173.21	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	60	80	73	71	14.32	cps
Phosphorus	31-2	8	25	0	11	114.58	cps
Potassium	39-2	3000	3050	3042	3031	0.88	cps
Rhodium	103-1	6448776	6416313	6470761	6445283	0.42	cps
Rhodium	103-2	1631190	1671912	1691882	1664995	1.86	cps
Scandium	45-1	3839125	3832021	3803495	3824881	0.49	cps
Scandium	45-2	29070	29548	29581	29400	0.97	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	4	2	3	34.64	cps
Selenium	82-1	-14	-103	9	-36	-163.47	cps
Silicon	28-1	353902	347773	347440	349705	1.04	cps
Silver	109-1	617	583	675	625	7.42	cps
Silver	107-1	533	725	650	636	15.18	cps
Sodium	23-2	14491	14983	14750	14741	1.67	cps
Strontium	86-1	625	617	708	650	7.80	cps
Strontium	88-1	742	725	908	792	12.81	cps
Sulfur	34-1	345146	344727	347147	345673	0.37	cps
Terbium	159-1	9227378	9145223	9090701	9154434	0.75	cps
Terbium	159-2	1679150	1722522	1754160	1718611	2.19	cps
Thallium	203-1	833	983	950	922	8.54	cps
Thallium	205-1	2034	1967	1717	1906	8.76	cps
Tin	118-1	1909	1684	1684	1759	7.39	cps
Titanium	47-1	158	175	200	178	11.80	cps
Uranium	238-1	400	383	542	442	19.70	cps
Vanadium	51-2	20	13	3	12	68.66	cps
Yttrium	89-1	7105669	7077911	7097641	7093740	0.20	cps
Yttrium	89-2	200023	208095	207647	205255	2.21	cps
Zinc	66-2	103	117	110	110	6.06	cps
Zirconium	90-1	883	875	1042	933	10.06	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB36	Instrumnet Name :	P8
Client Sample ID :	CCB36	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:25:54	DataFile Name :	021CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	225	158	192	192	17.39	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:29:02	DataFile Name :	022SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	125	133	92	117	18.90	cps
Antimony	121-1	17345	17270	17153	17256	0.56	cps
Arsenic	75-2	91	106	94	97	7.96	cps
Barium	135-1	17337	18355	16995	17562	4.03	cps
Barium	137-1	30278	31063	31530	30957	2.05	cps
Beryllium	9-1	1011	1033	1056	1033	2.15	cps
Bismuth	209-1	6048925	5985056	5974268	6002750	0.67	cps
Bismuth	209-2	1468891	1472032	1101715	1347546	15.80	cps
Boron	10-1	4142	4101	4051	4098	1.12	cps
Boron	11-1	18396	19088	18404	18629	2.13	cps
Cadmium	111-1	2636	2972	2912	2840	6.31	cps
Cadmium	106-1	1600	1800	1642	1681	6.28	cps
Cadmium	108-1	163	150	179	164	8.93	cps
Calcium	43-1	9537	9712	9229	9493	2.58	cps
Calcium	44-1	157299	159254	157626	158060	0.66	cps
Chromium	52-2	2307	2467	2230	2335	5.17	cps
Cobalt	59-2	1600	1607	1440	1549	6.09	cps
Copper	63-2	2987	3027	2580	2865	8.63	cps
Dysprosium	156-1	25	8	17	17	50.01	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	17	50	58	42	52.91	cps
Erbium	164-2	17	0	3	7	132.33	cps
Gadolinium	160-1	42	67	50	53	24.12	cps
Gadolinium	160-2	23	7	10	13	66.12	cps
Holmium	165-1	9046709	8941614	9009720	8999348	0.59	cps
Holmium	165-2	1856463	1838979	1374734	1690059	16.17	cps
Indium	115-1	7067612	7150163	7060501	7092759	0.70	cps
Indium	115-2	287745	288477	215113	263779	15.98	cps
Iron	56-2	27350	27311	25424	26695	4.12	cps
Iron	57-2	694	672	589	652	8.54	cps
Lead	206-1	7030	6858	7041	6976	1.47	cps
Lead	207-1	6274	6107	6641	6341	4.31	cps
Lead	208-1	27562	28007	28179	27916	1.14	cps
Lithium	6-1	1019636	1007478	1012061	1013058	0.61	cps
Magnesium	24-2	13132	12740	11472	12448	6.97	cps
Manganese	55-2	237	237	223	232	3.31	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:29:02	DataFile Name :	022SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	15134	14742	14558	14811	1.99	cps
Molybdenum	95-1	16753	17153	18129	17345	4.08	cps
Molybdenum	96-1	20191	19448	19148	19596	2.74	cps
Molybdenum	97-1	11489	10955	10571	11005	4.19	cps
Molybdenum	98-1	28138	28021	27930	28030	0.37	cps
Neodymium	150-1	20	13	20	18	21.66	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	603	590	510	568	8.89	cps
Phosphorus	31-2	8	0	8	6	86.60	cps
Potassium	39-2	9612	9470	8711	9265	5.23	cps
Rhodium	103-1	6570144	6597316	6608667	6592042	0.30	cps
Rhodium	103-2	1707515	1739407	1285938	1577620	16.04	cps
Scandium	45-1	3893220	3921661	3902692	3905858	0.37	cps
Scandium	45-2	30052	30463	22436	27651	16.35	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	15	13	9	12	22.89	cps
Selenium	82-1	586	515	562	555	6.54	cps
Silicon	28-1	391381	387012	389733	389375	0.57	cps
Silver	109-1	8937	8595	8595	8709	2.27	cps
Silver	107-1	9162	9546	8628	9112	5.06	cps
Sodium	23-2	42673	41252	40099	41342	3.12	cps
Strontium	86-1	3042	3017	2934	2998	1.89	cps
Strontium	88-1	20132	20191	19707	20010	1.32	cps
Sulfur	34-1	353359	353540	352901	353267	0.09	cps
Terbium	159-1	9326465	9286889	9255769	9289708	0.38	cps
Terbium	159-2	1797764	1740243	1345450	1627819	15.13	cps
Thallium	203-1	7377	7419	6910	7236	3.90	cps
Thallium	205-1	17488	17922	17588	17666	1.29	cps
Tin	118-1	29884	30435	30060	30127	0.93	cps
Titanium	47-1	4359	4959	4501	4607	6.81	cps
Uranium	238-1	21728	21219	21161	21369	1.46	cps
Vanadium	51-2	2797	2727	2420	2648	7.57	cps
Yttrium	89-1	7238481	7268466	7187194	7231380	0.57	cps
Yttrium	89-2	211090	211062	159161	193771	15.47	cps
Zinc	66-2	337	360	327	341	5.01	cps
Zirconium	90-1	13282	13591	12715	13196	3.37	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:29:02	DataFile Name :	022SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	2859	3117	3009	2995	4.33	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5332-06A	Instrumnet Name :	P8
Client Sample ID :	MBDA78A	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:32:12	DataFile Name :	023SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	333	417	358	369	11.57	cps
Antimony	121-1	1934	1600	1667	1734	10.18	cps
Arsenic	75-2	787	941	859	862	8.92	cps
Barium	135-1	37262	37797	36810	37290	1.32	cps
Barium	137-1	64626	64072	63511	64070	0.87	cps
Beryllium	9-1	61	122	78	87	36.30	cps
Bismuth	209-1	6203448	6190741	6165172	6186454	0.32	cps
Bismuth	209-2	1533997	1514068	1532244	1526770	0.72	cps
Boron	10-1	20674	20875	21692	21080	2.56	cps
Boron	11-1	93647	96197	95198	95014	1.35	cps
Cadmium	111-1	1253	1169	1357	1260	7.47	cps
Cadmium	106-1	1517	1400	1725	1547	10.64	cps
Cadmium	108-1	42	33	13	29	51.51	cps
Calcium	43-1	212671	210521	208282	210491	1.04	cps
Calcium	44-1	3555929	3491233	3491795	3512986	1.06	cps
Chromium	52-2	8463	8373	8523	8453	0.89	cps
Cobalt	59-2	1583	1530	1500	1538	2.74	cps
Copper	63-2	2844	2807	2624	2758	4.27	cps
Dysprosium	156-1	2017	1867	1750	1878	7.12	cps
Dysprosium	156-2	440	417	460	439	4.94	cps
Erbium	164-1	1517	1459	1458	1478	2.28	cps
Erbium	164-2	260	283	293	279	6.13	cps
Gadolinium	160-1	1809	1925	1884	1872	3.16	cps
Gadolinium	160-2	477	560	550	529	8.60	cps
Holmium	165-1	9615972	9529415	9530596	9558661	0.52	cps
Holmium	165-2	2000938	1915768	1963681	1960129	2.18	cps
Indium	115-1	7588870	7542016	7450818	7527235	0.93	cps
Indium	115-2	307592	306044	303190	305609	0.73	cps
Iron	56-2	42640355	42001988	42117230	42253191	0.81	cps
Iron	57-2	1067473	1054836	1059454	1060587	0.60	cps
Lead	206-1	2550	2145	1956	2217	13.70	cps
Lead	207-1	2095	1945	1717	1919	9.92	cps
Lead	208-1	9235	8813	7534	8527	10.38	cps
Lithium	6-1	1033016	1034812	1027525	1031784	0.37	cps
Magnesium	24-2	31377	31720	32012	31703	1.00	cps
Manganese	55-2	13553	13367	13046	13322	1.93	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5332-06A	Instrumnet Name :	P8
Client Sample ID :	MBDA78A	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:32:12	DataFile Name :	023SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1559	1642	1750	1650	5.82	cps
Molybdenum	95-1	1408	1367	1484	1420	4.17	cps
Molybdenum	96-1	2200	2642	2325	2389	9.53	cps
Molybdenum	97-1	983	1167	1067	1072	8.56	cps
Molybdenum	98-1	2434	2509	2184	2375	7.17	cps
Neodymium	150-1	3781	3834	3634	3750	2.76	cps
Neodymium	150-2	533	420	510	488	12.27	cps
Nickel	60-2	10317	10267	10291	10292	0.24	cps
Phosphorus	31-2	25	8	25	19	49.50	cps
Potassium	39-2	356258	352207	354968	354478	0.58	cps
Rhodium	103-1	7012050	7042366	6922959	6992458	0.89	cps
Rhodium	103-2	1829984	1816978	1815597	1820853	0.44	cps
Scandium	45-1	4241102	4261148	4226099	4242783	0.41	cps
Scandium	45-2	33373	33510	33914	33599	0.84	cps
Selenium	77-2	17	3	3	8	99.04	cps
Selenium	78-2	11	17	7	12	39.74	cps
Selenium	82-1	585	539	499	541	7.92	cps
Silicon	28-1	15431225	15517893	15396896	15448671	0.40	cps
Silver	109-1	21192	22111	21418	21574	2.22	cps
Silver	107-1	22854	22862	22653	22790	0.52	cps
Sodium	23-2	3878711	3844052	3842425	3855063	0.53	cps
Strontium	86-1	93671	93368	94023	93687	0.35	cps
Strontium	88-1	816355	816958	803636	812316	0.93	cps
Sulfur	34-1	376400	373498	373274	374391	0.47	cps
Terbium	159-1	9937191	9966393	9930622	9944735	0.19	cps
Terbium	159-2	1880157	1898970	1873650	1884259	0.70	cps
Thallium	203-1	1250	1275	992	1172	13.38	cps
Thallium	205-1	3151	2909	2592	2884	9.71	cps
Tin	118-1	3392	3159	3392	3314	4.07	cps
Titanium	47-1	908	859	717	828	12.01	cps
Uranium	238-1	192	250	167	203	21.09	cps
Vanadium	51-2	163	163	163	163	0.00	cps
Yttrium	89-1	7820779	7712464	7677859	7737034	0.96	cps
Yttrium	89-2	229356	227814	225516	227562	0.85	cps
Zinc	66-2	580	607	610	599	2.75	cps
Zirconium	90-1	1850	1725	1900	1825	4.94	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5332-06A	Instrumnet Name :	P8
Client Sample ID :	MBDA78A	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:32:12	DataFile Name :	023SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	417	458	600	492	19.55	cps

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : I5741-17RE Instrumnet Name : P8
 Client Sample ID : DC19543-53-FL2-BRG-V Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 12:35:18 DataFile Name : 024SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	133	83	83	100	28.87	cps
Antimony	121-1	1033	892	1167	1031	13.34	cps
Arsenic	75-2	35	33	26	31	15.56	cps
Barium	135-1	31163	34020	33527	32903	4.64	cps
Barium	137-1	55475	58095	57626	57066	2.45	cps
Beryllium	9-1	89	100	67	85	19.92	cps
Bismuth	209-1	5935217	6301672	6252214	6163034	3.23	cps
Bismuth	209-2	1468154	1517464	1575651	1520423	3.54	cps
Boron	10-1	2117	2050	2017	2061	2.47	cps
Boron	11-1	9545	8461	9303	9103	6.25	cps
Cadmium	111-1	969	1054	1063	1029	5.06	cps
Cadmium	106-1	1283	1383	1467	1378	6.66	cps
Cadmium	108-1	13	21	25	19	32.73	cps
Calcium	43-1	118295	124396	124331	122340	2.86	cps
Calcium	44-1	1969441	2116986	2142991	2076473	4.51	cps
Chromium	52-2	547	583	570	567	3.28	cps
Cobalt	59-2	67	60	60	62	6.19	cps
Copper	63-2	209629	216644	225467	217247	3.65	cps
Dysprosium	156-1	25	33	17	25	33.32	cps
Dysprosium	156-2	0	10	7	6	91.64	cps
Erbium	164-1	8	42	83	44	84.56	cps
Erbium	164-2	3	13	7	8	65.47	cps
Gadolinium	160-1	50	58	58	56	8.67	cps
Gadolinium	160-2	0	17	7	8	107.84	cps
Holmium	165-1	8981791	9482672	9302363	9255609	2.74	cps
Holmium	165-2	1832245	1893973	1958510	1894910	3.33	cps
Indium	115-1	7062331	7562486	7388383	7337733	3.46	cps
Indium	115-2	288998	299931	307657	298862	3.14	cps
Iron	56-2	12267	12228	12173	12223	0.39	cps
Iron	57-2	206	339	311	285	24.67	cps
Lead	206-1	9938	10688	10026	10217	4.01	cps
Lead	207-1	8681	9204	8692	8859	3.37	cps
Lead	208-1	39620	41416	40137	40391	2.29	cps
Lithium	6-1	981942	1037184	1036694	1018607	3.12	cps
Magnesium	24-2	32455	33265	33975	33231	2.29	cps
Manganese	55-2	3481	3547	3481	3503	1.10	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-17RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-53-FL2-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:35:18	DataFile Name :	024SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	700	733	650	695	6.04	cps
Molybdenum	95-1	325	275	292	297	8.57	cps
Molybdenum	96-1	350	417	400	389	8.92	cps
Molybdenum	97-1	167	183	158	169	7.51	cps
Molybdenum	98-1	483	475	500	486	2.62	cps
Neodymium	150-1	13	20	40	24	56.78	cps
Neodymium	150-2	7	13	3	8	65.47	cps
Nickel	60-2	2160	2130	2144	2145	0.70	cps
Phosphorus	31-2	300	275	317	297	7.06	cps
Potassium	39-2	10071	10421	11005	10499	4.49	cps
Rhodium	103-1	6592243	6961969	6837209	6797140	2.77	cps
Rhodium	103-2	1710169	1766568	1824165	1766967	3.23	cps
Scandium	45-1	3948974	4195607	4093290	4079290	3.04	cps
Scandium	45-2	30360	31171	32187	31239	2.93	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	4	4	2	86.60	cps
Selenium	82-1	28	17	-13	11	200.18	cps
Silicon	28-1	3008885	3185407	3168101	3120798	3.12	cps
Silver	109-1	667	767	783	739	8.54	cps
Silver	107-1	642	775	792	736	11.17	cps
Sodium	23-2	646899	670075	687103	668026	3.02	cps
Strontium	86-1	49274	53079	52017	51456	3.82	cps
Strontium	88-1	424229	454580	448376	442395	3.62	cps
Sulfur	34-1	363041	375114	374967	371040	1.87	cps
Terbium	159-1	9356741	9918034	9639405	9638060	2.91	cps
Terbium	159-2	1767703	1837713	1866306	1823907	2.78	cps
Thallium	203-1	183	208	150	181	16.21	cps
Thallium	205-1	467	317	425	403	19.22	cps
Tin	118-1	783	917	817	839	8.27	cps
Titanium	47-1	392	392	350	378	6.37	cps
Uranium	238-1	300	358	350	336	9.39	cps
Vanadium	51-2	53	50	43	49	10.42	cps
Yttrium	89-1	7300355	7682879	7556133	7513122	2.59	cps
Yttrium	89-2	212486	217553	227956	219331	3.60	cps
Zinc	66-2	29041	30226	30708	29992	2.86	cps
Zirconium	90-1	1192	1375	1350	1306	7.62	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-17RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-53-FL2-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:35:18	DataFile Name :	024SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	300	383	283	322	16.63	cps

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : I5741-27RE Instrumnet Name : P8
 Client Sample ID : DC19543-63-FL1-BRG-V Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 12:38:27 DataFile Name : 025SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	42	67	75	61	28.38	cps
Antimony	121-1	1025	950	1142	1039	9.30	cps
Arsenic	75-2	33	28	52	38	33.47	cps
Barium	135-1	30770	33092	29450	31104	5.93	cps
Barium	137-1	55494	56145	51477	54372	4.65	cps
Beryllium	9-1	67	89	33	63	44.41	cps
Bismuth	209-1	6069094	6300134	5932297	6100508	3.05	cps
Bismuth	209-2	1574618	1571865	1576966	1574483	0.16	cps
Boron	10-1	1533	1433	1375	1447	5.53	cps
Boron	11-1	7260	7335	7219	7272	0.81	cps
Cadmium	111-1	992	943	866	933	6.80	cps
Cadmium	106-1	1383	1275	1200	1286	7.17	cps
Cadmium	108-1	8	0	17	8	100.02	cps
Calcium	43-1	120210	124759	113321	119430	4.82	cps
Calcium	44-1	1996665	2077680	1926767	2000371	3.78	cps
Chromium	52-2	527	517	567	537	4.93	cps
Cobalt	59-2	20	40	47	36	39.03	cps
Copper	63-2	218287	216753	216672	217237	0.42	cps
Dysprosium	156-1	17	25	33	25	33.32	cps
Dysprosium	156-2	10	13	7	10	33.30	cps
Erbium	164-1	58	42	50	50	16.67	cps
Erbium	164-2	3	0	10	4	114.60	cps
Gadolinium	160-1	42	42	83	56	43.30	cps
Gadolinium	160-2	17	10	0	9	94.38	cps
Holmium	165-1	9115930	9478147	8839652	9144576	3.50	cps
Holmium	165-2	1978359	1978450	1985862	1980890	0.22	cps
Indium	115-1	7234340	7584148	7066479	7294989	3.62	cps
Indium	115-2	311299	307822	311389	310170	0.66	cps
Iron	56-2	9965	9971	9643	9859	1.90	cps
Iron	57-2	228	222	200	217	6.78	cps
Lead	206-1	17051	16706	15560	16439	4.75	cps
Lead	207-1	14370	14715	13502	14196	4.40	cps
Lead	208-1	64949	67634	62412	64998	4.02	cps
Lithium	6-1	1002772	1044902	976587	1008087	3.42	cps
Magnesium	24-2	34668	34184	34493	34448	0.71	cps
Manganese	55-2	3027	2854	3017	2966	3.28	cps

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : I5741-27RE Instrumnet Name : P8
 Client Sample ID : DC19543-63-FL1-BRG-V Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 12:38:27 DataFile Name : 025SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	475	400	383	419	11.64	cps
Molybdenum	95-1	158	233	233	208	20.79	cps
Molybdenum	96-1	383	433	433	417	6.93	cps
Molybdenum	97-1	242	175	158	192	23.01	cps
Molybdenum	98-1	467	408	308	394	20.30	cps
Neodymium	150-1	27	20	20	22	17.33	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	390	463	513	456	13.62	cps
Phosphorus	31-2	283	275	283	281	1.72	cps
Potassium	39-2	11163	10338	11180	10894	4.42	cps
Rhodium	103-1	6797327	6981423	6458487	6745746	3.93	cps
Rhodium	103-2	1837311	1815223	1838503	1830346	0.72	cps
Scandium	45-1	4061968	4176056	3911557	4049860	3.28	cps
Scandium	45-2	32314	32839	32625	32592	0.81	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	2	0	1	86.60	cps
Selenium	82-1	-70	-35	107	1	14299.90	cps
Silicon	28-1	3130395	3257969	3048561	3145642	3.35	cps
Silver	109-1	317	475	417	403	19.88	cps
Silver	107-1	458	475	442	458	3.64	cps
Sodium	23-2	691813	683547	683284	686215	0.71	cps
Strontium	86-1	49817	54100	49666	51194	4.92	cps
Strontium	88-1	429043	451350	418237	432877	3.90	cps
Sulfur	34-1	369756	375797	371086	372213	0.85	cps
Terbium	159-1	9539913	9897319	9138786	9525339	3.98	cps
Terbium	159-2	1904170	1904139	1898363	1902224	0.18	cps
Thallium	203-1	225	225	200	217	6.66	cps
Thallium	205-1	383	517	425	442	15.44	cps
Tin	118-1	658	533	458	550	18.37	cps
Titanium	47-1	350	317	333	333	5.00	cps
Uranium	238-1	317	333	233	294	18.19	cps
Vanadium	51-2	20	77	43	47	61.03	cps
Yttrium	89-1	7413271	7741169	7137148	7430529	4.07	cps
Yttrium	89-2	230859	225541	227130	227844	1.20	cps
Zinc	66-2	31135	30998	31179	31104	0.30	cps
Zirconium	90-1	1150	1192	1920	1421	30.49	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-27RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-63-FL1-BRG-V	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:38:27	DataFile Name :	025SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	225	258	217	233	9.45	cps

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : I5741-35RE Instrumnet Name : P8
 Client Sample ID : DC19543-71-BS-KI-W1-F Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 12:41:35 DataFile Name : 026SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	108	50	117	92	39.63	cps
Antimony	121-1	1192	1192	1258	1214	3.17	cps
Arsenic	75-2	44	37	50	44	14.84	cps
Barium	135-1	32992	32691	30762	32148	3.76	cps
Barium	137-1	59719	56606	52681	56335	6.26	cps
Beryllium	9-1	56	61	100	72	33.53	cps
Bismuth	209-1	6605581	5725038	6062419	6131012	7.25	cps
Bismuth	209-2	1535790	1561785	1565281	1554285	1.04	cps
Boron	10-1	1275	1508	1325	1370	8.97	cps
Boron	11-1	6635	6310	6385	6443	2.64	cps
Cadmium	111-1	1052	935	1028	1005	6.17	cps
Cadmium	106-1	1442	1300	1383	1375	5.18	cps
Cadmium	108-1	4	13	4	7	69.23	cps
Calcium	43-1	127787	127122	118407	124439	4.21	cps
Calcium	44-1	2143605	2134055	2012114	2096591	3.50	cps
Chromium	52-2	540	533	537	537	0.62	cps
Cobalt	59-2	63	57	47	56	15.09	cps
Copper	63-2	271023	274187	275896	273702	0.90	cps
Dysprosium	156-1	17	25	42	28	45.82	cps
Dysprosium	156-2	10	3	10	8	49.52	cps
Erbium	164-1	125	83	42	83	50.00	cps
Erbium	164-2	13	27	10	17	52.93	cps
Gadolinium	160-1	58	50	25	44	39.04	cps
Gadolinium	160-2	13	13	27	18	43.33	cps
Holmium	165-1	9757625	8642648	9192081	9197452	6.06	cps
Holmium	165-2	1928705	1950558	1952229	1943831	0.68	cps
Indium	115-1	7841630	6882838	7268448	7330972	6.58	cps
Indium	115-2	304732	307737	307808	306759	0.57	cps
Iron	56-2	9732	9770	9554	9685	1.19	cps
Iron	57-2	250	256	233	246	4.69	cps
Lead	206-1	10349	10132	9804	10095	2.72	cps
Lead	207-1	8970	8776	8142	8629	5.02	cps
Lead	208-1	40704	40092	37862	39553	3.78	cps
Lithium	6-1	1074637	956829	984605	1005357	6.13	cps
Magnesium	24-2	33365	33966	33407	33580	1.00	cps
Manganese	55-2	2627	2587	2630	2615	0.92	cps

LB Number : LB90723 Operator : Jaswal
 Lab Sample ID : I5741-35RE Instrumnet Name : P8
 Client Sample ID : DC19543-71-BS-KI-W1-F Dilution Factor : 1
 Date & Time Acquired :: 2017-10-10 12:41:35 DataFile Name : 026SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	417	475	417	436	7.72	cps
Molybdenum	95-1	300	275	208	261	18.15	cps
Molybdenum	96-1	392	275	308	325	18.49	cps
Molybdenum	97-1	242	275	192	236	17.76	cps
Molybdenum	98-1	283	408	325	339	18.78	cps
Neodymium	150-1	20	27	73	40	72.65	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	790	693	813	766	8.31	cps
Phosphorus	31-2	217	192	267	225	16.97	cps
Potassium	39-2	10071	10271	10546	10296	2.32	cps
Rhodium	103-1	7201208	6363680	6713807	6759565	6.22	cps
Rhodium	103-2	1810044	1825995	1840798	1825612	0.84	cps
Scandium	45-1	4296308	3790382	3989468	4025386	6.33	cps
Scandium	45-2	32337	31980	31946	32088	0.68	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	2	2	1	86.60	cps
Selenium	82-1	-3	-91	-15	-36	-130.80	cps
Silicon	28-1	3345005	3334345	3109625	3262992	4.07	cps
Silver	109-1	267	308	250	275	10.93	cps
Silver	107-1	475	350	300	375	24.04	cps
Sodium	23-2	685323	695283	686218	688941	0.80	cps
Strontium	86-1	53573	52937	49231	51914	4.52	cps
Strontium	88-1	461410	454478	428729	448206	3.84	cps
Sulfur	34-1	374337	370728	368350	371138	0.81	cps
Terbium	159-1	10291626	8988358	9447373	9575786	6.90	cps
Terbium	159-2	1864228	1905953	1863992	1878057	1.29	cps
Thallium	203-1	192	158	242	197	21.27	cps
Thallium	205-1	425	517	425	456	11.62	cps
Tin	118-1	383	592	542	506	21.51	cps
Titanium	47-1	550	433	325	436	25.80	cps
Uranium	238-1	308	267	275	283	7.78	cps
Vanadium	51-2	43	30	33	36	19.51	cps
Yttrium	89-1	7903828	6958871	7327478	7396726	6.44	cps
Yttrium	89-2	222800	225858	226950	225203	0.96	cps
Zinc	66-2	24061	25477	24786	24775	2.86	cps
Zirconium	90-1	1025	942	883	950	7.50	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	I5741-35RE	Instrumnet Name :	P8
Client Sample ID :	DC19543-71-BS-KI-W1-F	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:41:35	DataFile Name :	026SMPL_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	192	242	208	214	11.90	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV37	Instrumnet Name :	P8
Client Sample ID :	CCV37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:44:42	DataFile Name :	027CCV_P8101017 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	277251	274792	269602	273882	1.43	cps
Antimony	121-1	4350924	4417008	4409696	4392543	0.82	cps
Arsenic	75-2	47572	46246	45345	46387	2.42	cps
Barium	135-1	4723759	4812596	4798121	4778159	1.00	cps
Barium	137-1	8221332	8366280	8290971	8292861	0.87	cps
Beryllium	9-1	487518	502519	499735	496590	1.61	cps
Bismuth	209-1	5268191	5524418	5396430	5396346	2.37	cps
Bismuth	209-2	1347174	1328817	1315428	1330473	1.20	cps
Boron	10-1	58604	62135	61156	60632	3.01	cps
Boron	11-1	273160	288479	284344	281994	2.81	cps
Cadmium	111-1	884612	916789	896840	899414	1.81	cps
Cadmium	106-1	92685	95000	93810	93832	1.23	cps
Cadmium	108-1	61703	65186	63972	63620	2.78	cps
Calcium	43-1	4474704	4619563	4577152	4557140	1.63	cps
Calcium	44-1	73177785	75807893	74000925	74328868	1.81	cps
Chromium	52-2	384842	377058	370814	377571	1.86	cps
Cobalt	59-2	811342	797231	789334	799302	1.39	cps
Copper	63-2	1419766	1383853	1374105	1392575	1.73	cps
Dysprosium	156-1	67	100	117	94	26.96	cps
Dysprosium	156-2	10	30	27	22	48.22	cps
Erbium	164-1	42	50	33	42	20.00	cps
Erbium	164-2	0	3	13	6	124.93	cps
Gadolinium	160-1	158	83	83	108	39.97	cps
Gadolinium	160-2	23	40	33	32	26.04	cps
Holmium	165-1	8433660	8623823	8537210	8531564	1.12	cps
Holmium	165-2	1783460	1744734	1708727	1745640	2.14	cps
Indium	115-1	6393733	6514508	6472839	6460360	0.95	cps
Indium	115-2	267405	262409	258558	262791	1.69	cps
Iron	56-2	63986665	63718925	62613713	63439768	1.15	cps
Iron	57-2	1651647	1618664	1588085	1619466	1.96	cps
Lead	206-1	2787602	2870077	2827355	2828344	1.46	cps
Lead	207-1	2555455	2612373	2595206	2587678	1.13	cps
Lead	208-1	11317967	11667127	11535055	11506716	1.53	cps
Lithium	6-1	890580	934931	927218	917576	2.58	cps
Magnesium	24-2	6616238	6572367	6427310	6538638	1.51	cps
Manganese	55-2	214987	212083	209534	212201	1.29	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV37	Instrumnet Name :	P8
Client Sample ID :	CCV37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:44:42	DataFile Name :	027CCV_P8101017 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3539886	3639942	3585745	3588524	1.40	cps
Molybdenum	95-1	1883828	1954844	1901238	1913303	1.93	cps
Molybdenum	96-1	2406113	2545239	2488707	2480020	2.82	cps
Molybdenum	97-1	1145100	1199008	1161225	1168444	2.37	cps
Molybdenum	98-1	3007426	3135846	3102075	3081783	2.16	cps
Neodymium	150-1	280	227	253	253	10.53	cps
Neodymium	150-2	10	13	0	8	89.21	cps
Nickel	60-2	238372	231076	229677	233042	2.00	cps
Phosphorus	31-2	4051	3717	3926	3898	4.32	cps
Potassium	39-2	1918446	1870971	1845004	1878140	1.98	cps
Rhodium	103-1	5750129	6065583	5883231	5899647	2.68	cps
Rhodium	103-2	1568159	1544130	1480404	1530898	2.96	cps
Scandium	45-1	3650674	3724020	3682859	3685851	1.00	cps
Scandium	45-2	29177	28713	28676	28855	0.97	cps
Selenium	77-2	310	303	310	308	1.25	cps
Selenium	78-2	1033	1033	1083	1050	2.75	cps
Selenium	82-1	54844	57234	56404	56161	2.16	cps
Silicon	28-1	2076604	2151685	2173968	2134085	2.39	cps
Silver	109-1	4115007	4327711	4214931	4219216	2.52	cps
Silver	107-1	4336918	4525197	4442236	4434784	2.13	cps
Sodium	23-2	15639868	15417894	15115523	15391095	1.71	cps
Strontium	86-1	1200539	1225332	1227560	1217811	1.23	cps
Strontium	88-1	10500986	10624734	10603879	10576533	0.63	cps
Sulfur	34-1	609518	619292	609754	612855	0.91	cps
Terbium	159-1	8637673	8968378	8914723	8840258	2.01	cps
Terbium	159-2	1727310	1682743	1653500	1687851	2.20	cps
Thallium	203-1	3438333	3495981	3498205	3477506	0.98	cps
Thallium	205-1	8029661	8254904	8225226	8169930	1.50	cps
Tin	118-1	3075206	3159045	3129282	3121178	1.36	cps
Titanium	47-1	474093	484175	479643	479304	1.05	cps
Uranium	238-1	11528580	12130571	11873212	11844121	2.55	cps
Vanadium	51-2	285589	280747	275685	280674	1.76	cps
Yttrium	89-1	6731701	6884906	6862285	6826297	1.21	cps
Yttrium	89-2	204305	198558	197452	200105	1.84	cps
Zinc	66-2	128149	125149	123625	125641	1.83	cps
Zirconium	90-1	6594738	6812573	6785004	6730772	1.76	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCV37	Instrumnet Name :	P8
Client Sample ID :	CCV37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:44:42	DataFile Name :	027CCV_P8101017 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1524775	1539445	1525683	1529968	0.54	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB37	Instrumnet Name :	P8
Client Sample ID :	CCB37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:47:42	DataFile Name :	028CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33	25	0	19	89.21	cps
Antimony	121-1	2342	2059	2375	2259	7.71	cps
Arsenic	75-2	7	6	0	4	89.21	cps
Barium	135-1	133	133	100	122	15.74	cps
Barium	137-1	242	175	192	203	17.11	cps
Beryllium	9-1	156	156	156	156	0.00	cps
Bismuth	209-1	5850952	5899981	5843323	5864752	0.52	cps
Bismuth	209-2	1443978	1429902	1450027	1441302	0.72	cps
Boron	10-1	2050	2134	2017	2067	2.91	cps
Boron	11-1	10204	9654	9253	9704	4.92	cps
Cadmium	111-1	1104	1022	1077	1068	3.90	cps
Cadmium	106-1	1533	1392	1483	1470	4.89	cps
Cadmium	108-1	4	21	4	10	98.92	cps
Calcium	43-1	1317	1267	1325	1303	2.42	cps
Calcium	44-1	21334	19589	19706	20210	4.82	cps
Chromium	52-2	753	790	780	774	2.45	cps
Cobalt	59-2	37	53	37	42	22.78	cps
Copper	63-2	247	257	187	230	16.46	cps
Dysprosium	156-1	8	8	33	17	86.62	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	58	42	44	28.65	cps
Erbium	164-2	0	13	13	9	86.60	cps
Gadolinium	160-1	58	50	100	69	38.58	cps
Gadolinium	160-2	10	10	3	8	49.52	cps
Holmium	165-1	8723400	8707908	8769879	8733729	0.37	cps
Holmium	165-2	1827248	1793890	1810977	1810705	0.92	cps
Indium	115-1	6952261	6968073	6939514	6953283	0.21	cps
Indium	115-2	281796	280341	279729	280622	0.38	cps
Iron	56-2	3095	2795	2634	2841	8.24	cps
Iron	57-2	89	61	61	70	22.79	cps
Lead	206-1	1122	1011	1022	1052	5.82	cps
Lead	207-1	1039	911	833	928	11.19	cps
Lead	208-1	4684	4161	4117	4321	7.29	cps
Lithium	6-1	1000488	989650	994308	994815	0.55	cps
Magnesium	24-2	217	225	242	228	5.59	cps
Manganese	55-2	40	30	30	33	17.32	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB37	Instrumnet Name :	P8
Client Sample ID :	CCB37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:47:42	DataFile Name :	028CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	658	667	458	594	19.84	cps
Molybdenum	95-1	483	383	308	392	22.42	cps
Molybdenum	96-1	508	533	492	511	4.10	cps
Molybdenum	97-1	275	217	300	264	16.21	cps
Molybdenum	98-1	692	600	575	622	9.87	cps
Neodymium	150-1	13	7	20	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	47	77	83	69	28.35	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	2867	2767	2859	2831	1.96	cps
Rhodium	103-1	6449430	6428981	6445176	6441196	0.17	cps
Rhodium	103-2	1651846	1665777	1673049	1663557	0.65	cps
Scandium	45-1	3842887	3793015	3757145	3797682	1.13	cps
Scandium	45-2	29294	29598	29361	29418	0.54	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	4	3	34.64	cps
Selenium	82-1	-15	-29	-4	-16	-77.64	cps
Silicon	28-1	355520	348570	344877	349656	1.55	cps
Silver	109-1	492	433	550	492	11.86	cps
Silver	107-1	525	408	500	478	12.86	cps
Sodium	23-2	14241	13690	14074	14002	2.02	cps
Strontium	86-1	633	525	858	672	25.29	cps
Strontium	88-1	792	658	742	731	9.22	cps
Sulfur	34-1	344994	347455	350023	347491	0.72	cps
Terbium	159-1	9201170	9132174	9019939	9117761	1.00	cps
Terbium	159-2	1726455	1744938	1738779	1736724	0.54	cps
Thallium	203-1	742	633	608	661	10.72	cps
Thallium	205-1	1667	1659	1550	1625	4.01	cps
Tin	118-1	1817	1825	1817	1820	0.26	cps
Titanium	47-1	217	133	217	189	25.47	cps
Uranium	238-1	450	317	292	353	24.13	cps
Vanadium	51-2	13	13	7	11	34.61	cps
Yttrium	89-1	6987117	7028158	7082853	7032710	0.68	cps
Yttrium	89-2	207751	206790	204827	206456	0.72	cps
Zinc	66-2	110	70	83	88	23.20	cps
Zirconium	90-1	900	950	808	886	8.11	cps

LB Number :	LB90723	Operator :	Jaswal
Lab Sample ID :	CCB37	Instrumnet Name :	P8
Client Sample ID :	CCB37	Dilution Factor :	1
Date & Time Acquired ::	2017-10-10 12:47:42	DataFile Name :	028CCBE_P8101017 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	258	200	208	222	14.20	cps