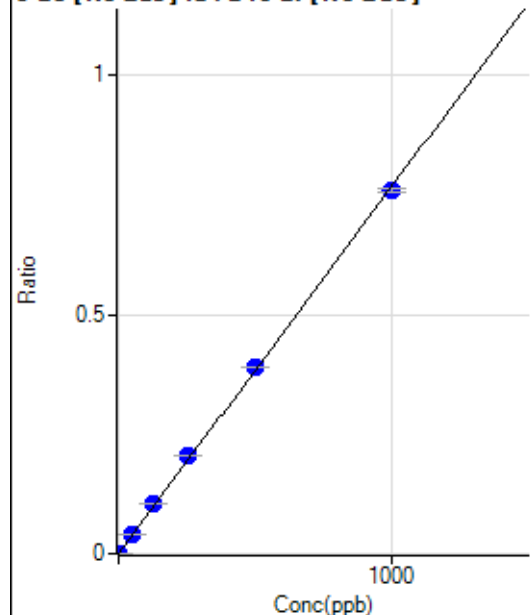


Batch Folder: D:\ICP-MS Data\P7122118MS.b\
Analysis File: P7122118MS.batch.bin
DA Date-Time: 2018-12-21 13:40:06
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2018-12-21 13:25:46
2	007CAL.S.d	S01	2018-12-21 13:44:12
3	008CAL.S.d	S02	2018-12-21 13:48:00
4	009CAL.S.d	S03	2018-12-21 13:51:48
5	010CAL.S.d	S04	2018-12-21 13:55:36
6	011CAL.S.d	S05	2018-12-21 13:59:24
7	012CAL.S.d	S06	2018-12-21 14:03:11
8	014CAL.S.d	S07	2018-12-21 14:11:09
9	015CAL.S.d	S08	2018-12-21 14:14:53

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	28.8
2	☐	0.100	0.110	450.02	0.0001	P	15.3
3	☐	1.000	0.981	3615.35	0.0008	P	3.1
4	☐	50.000	54.712	197501.01	0.0420	P	0.7
5	☐	125.000	135.878	448598.61	0.1042	P	0.2
6	☐	250.000	266.684	835439.50	0.2046	P	0.6
7	☐	500.000	510.513	1641597.78	0.3916	P	0.1
8	☐	1000.000	988.977	3288743.77	0.7586	P	0.9
9	☐			422.24	0.0001	P	9.0

$$y = 7.6703\text{E-}004 * x + 1.3197\text{E-}005$$

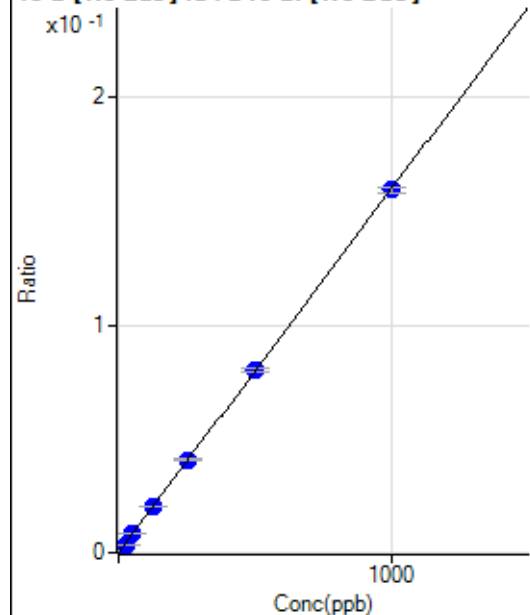
$$R = 0.9997$$

$$DL = 0.01484$$

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	386.13	0.0001	P	10.2
2	☐	2.500	3.465	2905.94	0.0006	P	4.0
3	☐	25.000	23.103	17783.33	0.0038	P	1.4
4	☐	50.000	51.367	38962.42	0.0083	P	2.7
5	☐	125.000	128.140	88405.57	0.0205	P	1.2
6	☐	250.000	255.013	166674.64	0.0408	P	2.3
7	☐	500.000	502.329	336704.54	0.0803	P	2.3
8	☐	1000.000	997.167	690993.01	0.1594	P	1.6
9	☐			27080.74	0.0063	P	10.5

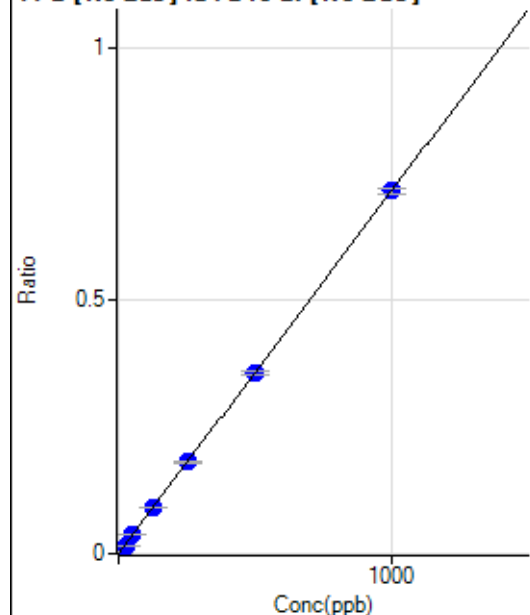
$$y = 1.5974\text{E-}004 * x + 7.6465\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.1459$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1769.62	0.0004	P	10.6
2	☐	2.500	3.478	13114.56	0.0028	P	2.6
3	☐	25.000	22.686	78394.98	0.0166	P	2.2
4	☐	50.000	50.409	171589.30	0.0365	P	2.0
5	☐	125.000	126.799	392486.66	0.0912	P	1.2
6	☐	250.000	253.295	742703.29	0.1819	P	2.1
7	☐	500.000	497.466	1495888.61	0.3568	P	2.8
8	☐	1000.000	1000.253	3109390.09	0.7171	P	1.3
9	☐			121476.47	0.0285	P	10.3

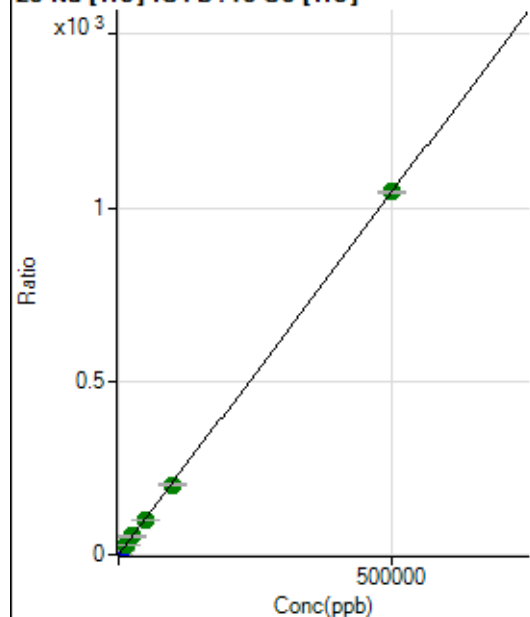
$$y = 7.1657\text{E-}004 * x + 3.5038\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.1559$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	9014.14	0.0308	P	2.9
2	☐	50.000	42.531	31091.48	0.1196	P	1.0
3	☐	500.000	446.093	255464.95	0.9619	P	0.9
4	☐	5000.000	4983.848	2637451.80	10.4332	P	0.5
5	☐	12500.000	12802.521	5866683.64	26.7524	A	1.2
6	☐	25000.000	25301.274	11691273.87	52.8400	A	0.8
7	☐	50000.000	48772.947	23776701.40	101.8303	A	0.4
8	☐	100000.00	96415.602	50301229.94	201.2707	A	1.3
9	☐	500000.00	500817.17	271561714.4	1,045.342	A	0.4

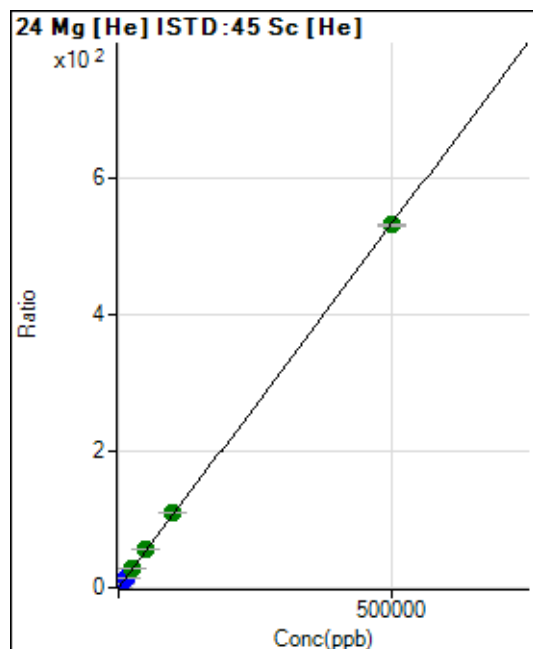
$$y = 0.0021 * x + 0.0308$$

$$R = 1.0000$$

$$DL = 1.304$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	161.12	0.0006	P	14.7
2	☐	50.000	48.055	13439.86	0.0517	P	1.4
3	☐	500.000	489.280	138465.12	0.5214	P	1.2
4	☐	5000.000	5521.049	1485735.26	5.8773	P	0.0
5	☐	12500.000	14140.817	3300811.49	15.0524	P	1.5
6	☐	25000.000	27603.448	6501064.68	29.3824	A	0.9
7	☐	50000.000	52897.073	13146871.56	56.3056	A	0.8
8	☐	100000.00	103532.20	27542246.45	110.2030	A	1.2
9	☐	500000.00	498827.45	137934872.5	530.9657	A	0.7

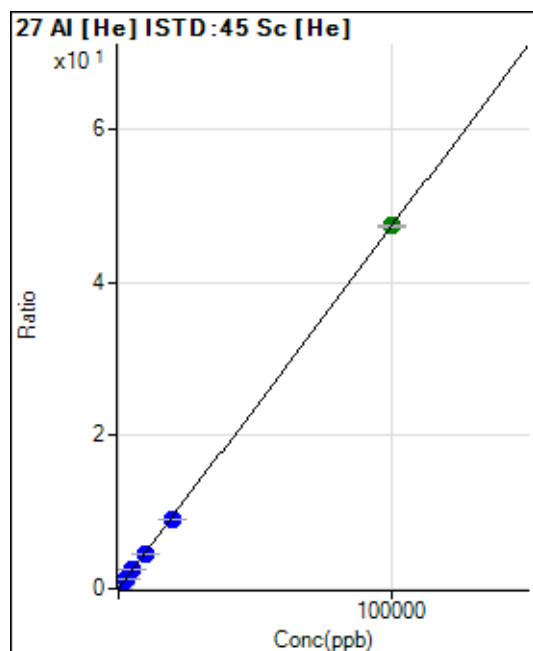
$$y = 0.0011 * x + 5.5101E-004$$

$$R = 1.0000$$

$$DL = 0.229$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0002	P	17.6
2	☐	2.000	1.496	233.34	0.0009	P	18.2
3	☐	20.000	17.785	2283.60	0.0086	P	4.9
4	☐	1000.000	1027.008	122803.33	0.4858	P	0.7
5	☐	2500.000	2601.015	269737.86	1.2300	P	1.1
6	☐	5000.000	5112.024	534832.13	2.4172	P	1.3
7	☐	10000.000	9804.172	1082431.19	4.6358	P	0.2
8	☐	20000.000	19299.570	2280757.06	9.1254	P	0.7
9	☐	100000.00	100151.27	12301646.20	47.3535	A	0.6

$$y = 4.7282E-004 * x + 1.9009E-004$$

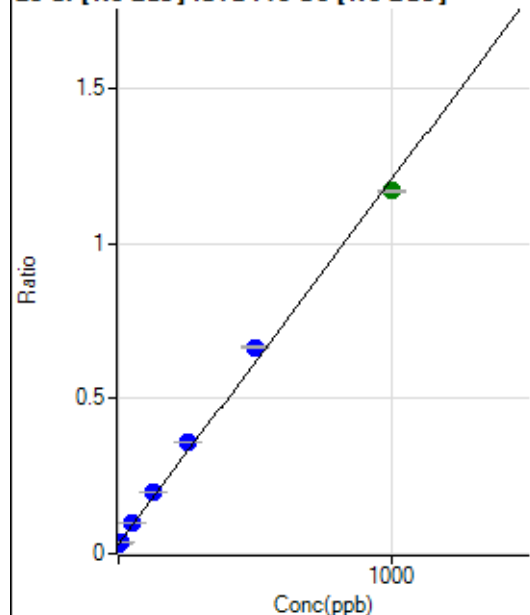
$$R = 1.0000$$

$$DL = 0.2119$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	242854.30	0.0316	P	3.0
2	☐	1.000	-2.287	201972.77	0.0289	P	1.3
3	☐	10.000	6.491	280271.40	0.0392	P	0.6
4	☐	50.000	57.170	695236.63	0.0988	P	1.7
5	☐	125.000	142.617	1262101.80	0.1993	P	1.1
6	☐	250.000	279.990	2161363.18	0.3608	P	0.8
7	☐	500.000	540.827	4144708.73	0.6676	P	0.9
8	☐	1000.000	969.567	7673925.43	1.1718	A	0.3
9	☐			343947.51	0.0530	P	1.7

$$y = 0.0012 * x + 0.0316$$

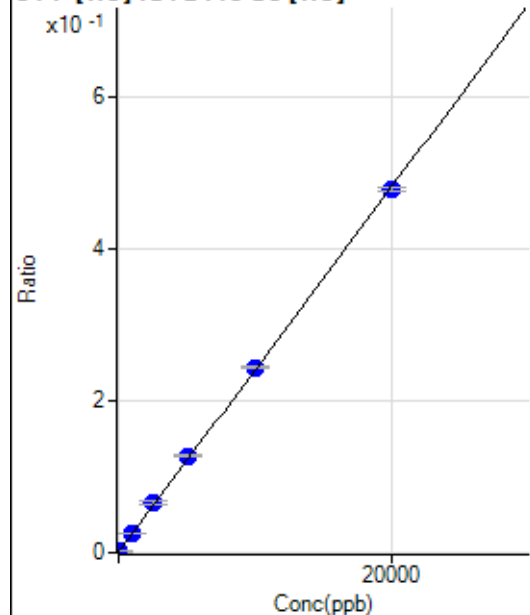
$$R = 0.9981$$

$$DL = 2.428$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-16.670	88.89	0.0003	P	42.5
2	☐	0.000	-10.192	119.45	0.0005	P	21.3
3	☐	0.000	26.862	358.35	0.0013	P	8.9
4	☐	1000.000	1045.673	6518.36	0.0258	P	2.0
5	☐	2500.000	2699.927	14351.95	0.0655	P	6.2
6	☐	5000.000	5253.565	28035.56	0.1267	P	2.2
7	☐	10000.000	10121.676	56856.46	0.2435	P	0.8
8	☐	20000.000	19848.496	119176.15	0.4768	P	1.0
9	☐			136.12	0.0005	P	24.8

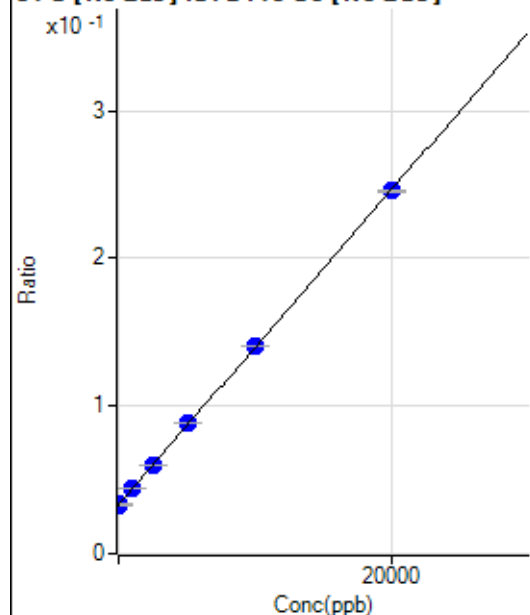
$$y = 2.3987E-005 * x + 7.0399E-004$$

$$R = 0.9998$$

$$DL = 14.49$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	36.633	258346.00	0.0336	P	0.6
2	☐	0.000	-44.300	228827.27	0.0327	P	0.5
3	☐	0.000	7.667	237857.10	0.0333	P	0.4
4	☐	1000.000	1049.619	312374.71	0.0444	P	0.7
5	☐	2500.000	2551.663	382685.86	0.0604	P	0.4
6	☐	5000.000	5180.292	530001.96	0.0885	P	1.0
7	☐	10000.000	10061.455	872897.20	0.1406	P	0.4
8	☐	20000.000	19915.260	1609653.26	0.2458	P	0.8
9	☐			196664.59	0.0303	P	1.6

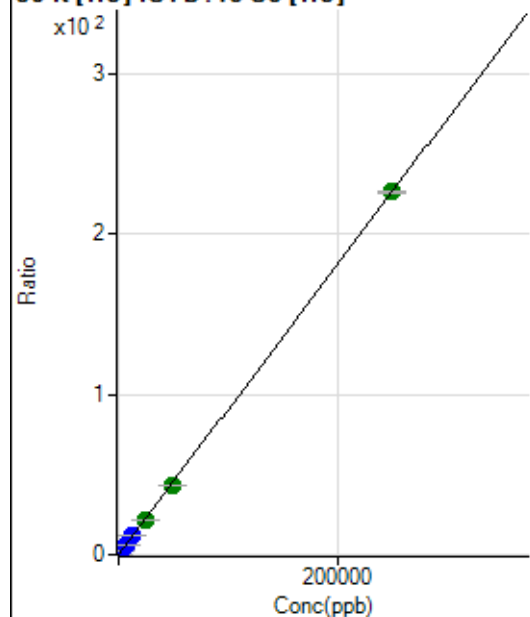
$$y = 1.0676\text{E-}005 * x + 0.0332$$

$$R = 0.9999$$

$$DL = 47.05$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11404.90	0.0390	P	2.3
2	☐	50.000	44.091	20487.16	0.0788	P	1.4
3	☐	500.000	463.305	121441.50	0.4572	P	1.2
4	☐	2500.000	2545.091	590606.47	2.3363	P	0.5
5	☐	6250.000	6442.895	1283923.37	5.8547	P	1.1
6	☐	12500.000	12613.025	2527768.24	11.4242	P	0.4
7	☐	25000.000	24267.092	5123682.01	21.9437	A	0.7
8	☐	50000.000	47995.298	10837575.24	43.3620	A	0.8
9	☐	250000.00	250463.38	58742065.20	226.1202	A	0.7

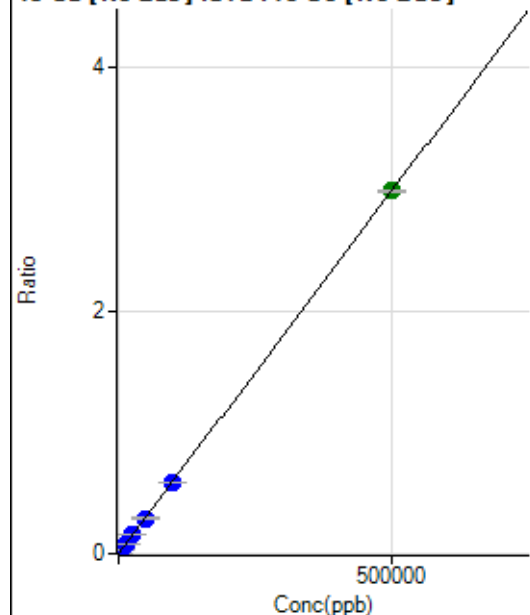
$$y = 9.0265\text{E-}004 * x + 0.0390$$

$$R = 1.0000$$

$$DL = 3.035$$

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	180.56	0.0000	P	2.6
2	☐	50.000	46.373	2100.24	0.0003	P	7.4
3	☐	500.000	448.476	19296.57	0.0027	P	0.6
4	☐	5000.000	4965.565	208620.56	0.0296	P	0.5
5	☐	12500.000	12667.785	478635.43	0.0756	P	0.5
6	☐	25000.000	25469.282	910030.03	0.1519	P	0.5
7	☐	50000.000	49047.580	1816274.33	0.2925	P	0.5
8	☐	100000.00	97476.331	3807406.98	0.5814	P	0.5
9	☐	500000.00	500572.71	19363869.35	2.9854	A	0.6

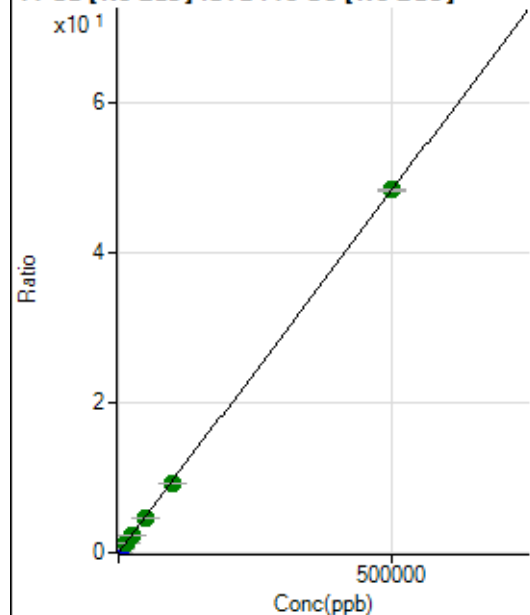
$$y = 5.9640\text{E-}006 * x + 2.3461\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.3109$$

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	4450.90	0.0006	P	5.3
2	☐	50.000	45.214	34583.11	0.0049	P	0.5
3	☐	500.000	446.044	312040.56	0.0436	P	0.5
4	☐	5000.000	4965.101	3376974.99	0.4798	P	0.9
5	☐	12500.000	12479.312	7632496.96	1.2051	A	0.5
6	☐	25000.000	24980.635	14445851.02	2.4117	A	1.2
7	☐	50000.000	48526.373	29083305.51	4.6843	A	0.1
8	☐	100000.00	96342.694	60900545.81	9.2996	A	0.8
9	☐	500000.00	500880.71	313582240.3	48.3456	A	0.7

$$y = 9.6520\text{E-}005 * x + 5.7828\text{E-}004$$

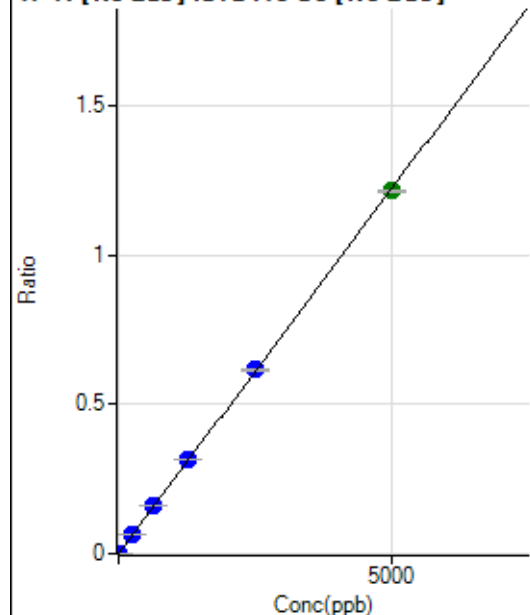
$$R = 1.0000$$

$$DL = 0.9594$$

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	88.89	0.0000	P	5.7
2	☐	0.500	0.472	886.18	0.0001	P	12.2
3	☐	5.000	4.867	8580.61	0.0012	P	3.1
4	☐	250.000	255.797	439670.20	0.0625	P	0.5
5	☐	625.000	649.527	1004552.47	0.1586	P	0.3
6	☐	1250.000	1298.623	1899369.75	0.3171	P	0.6
7	☐	2500.000	2520.189	3820464.06	0.6153	P	0.6
8	☐	5000.000	4974.394	7953874.48	1.2146	A	0.8
9	☐			4228.56	0.0007	P	2.8

$$y = 2.4416E-004 * x + 1.1551E-005$$

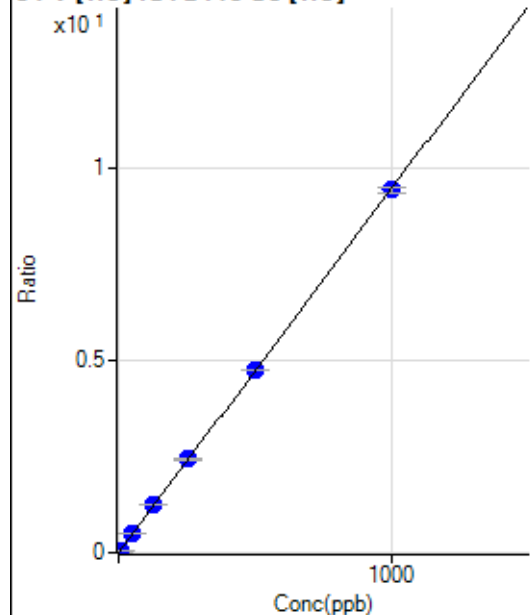
$$R = 0.9999$$

$$DL = 0.008054$$

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	3.33	0.0000	P	173.
2	☐	0.500	0.510	1257.86	0.0048	P	6.5
3	☐	5.000	4.961	12485.42	0.0470	P	1.4
4	☐	50.000	51.855	124182.85	0.4912	P	0.4
5	☐	125.000	130.423	270950.16	1.2355	P	1.2
6	☐	250.000	256.653	537970.31	2.4313	P	0.5
7	☐	500.000	501.760	1109884.93	4.7533	P	0.3
8	☐	1000.000	996.686	2359678.20	9.4418	P	1.4
9	☐			405.57	0.0016	P	11.8

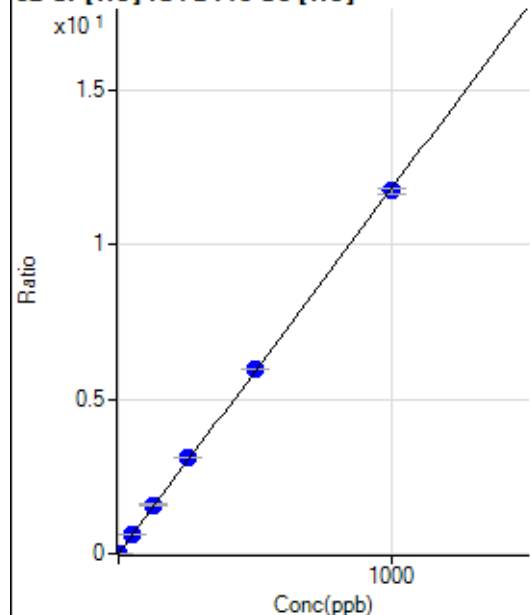
$$y = 0.0095 * x + 1.1431E-005$$

$$R = 1.0000$$

$$DL = 0.00627$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	844.48	0.0029	P	1.2
2	☐	0.200	0.216	1415.65	0.0054	P	5.6
3	☐	2.000	1.950	6891.70	0.0259	P	1.2
4	☐	50.000	52.847	158672.55	0.6277	P	0.9
5	☐	125.000	133.484	346717.21	1.5810	P	1.1
6	☐	250.000	261.403	684446.68	3.0934	P	0.5
7	☐	500.000	504.475	1393293.23	5.9671	P	0.6
8	☐	1000.000	993.709	2936722.39	11.7511	P	1.6
9	☐			45729.76	0.1760	P	0.6

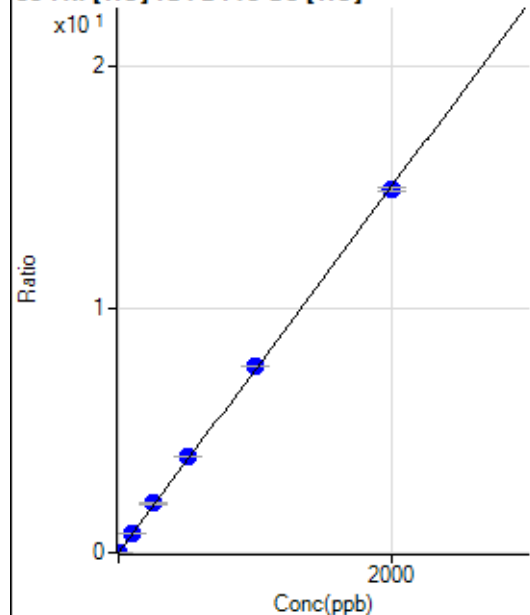
$$y = 0.0118 * x + 0.0029$$

$$R = 0.9999$$

$$DL = 0.008614$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.89	0.0003	P	1.8
2	☐	0.100	0.089	252.23	0.0010	P	4.8
3	☐	1.000	1.014	2104.63	0.0079	P	2.8
4	☐	100.000	105.867	201292.64	0.7963	P	0.6
5	☐	250.000	269.630	444608.35	2.0275	P	1.6
6	☐	500.000	527.549	877697.95	3.9667	P	0.5
7	☐	1000.000	1016.161	1783997.25	7.6404	P	0.0
8	☐	2000.000	1982.285	3724902.86	14.9042	P	1.2
9	☐			21855.33	0.0841	P	2.4

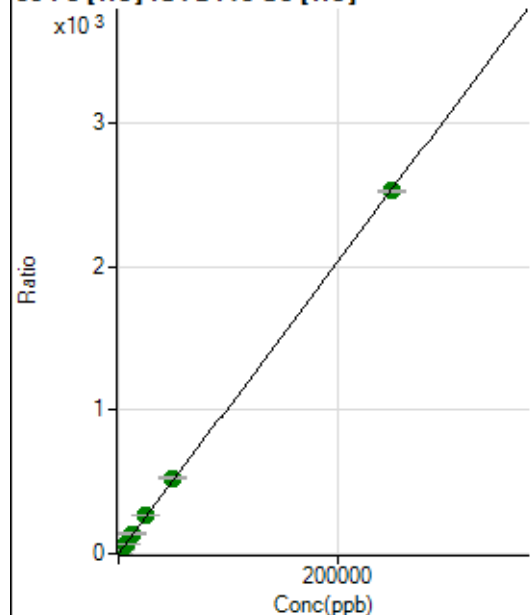
$$y = 0.0075 * x + 3.0404E-004$$

$$R = 0.9998$$

$$DL = 0.002216$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3919.16	0.0134	P	3.6
2	☐	5.000	4.989	16619.03	0.0639	P	2.3
3	☐	50.000	54.027	148876.21	0.5606	P	1.1
4	☐	2500.000	2794.173	7156968.68	28.3116	A	0.5
5	☐	6250.000	7083.698	15735480.79	71.7541	A	1.2
6	☐	12500.000	13867.904	31078124.77	140.4617	A	0.9
7	☐	25000.000	26587.019	62874249.56	269.2756	A	0.4
8	☐	50000.000	51926.066	131426209.4	525.8988	A	1.6
9	☐	250000.00	249363.90	656069592.4	2,525.466	A	0.4

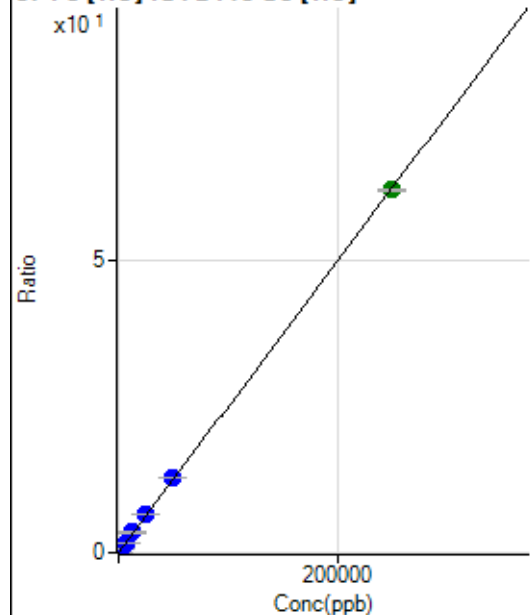
$$y = 0.0101 * x + 0.0134$$

$$R = 0.9999$$

$$DL = 0.1412$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	133.34	0.0005	P	19.5
2	☐	5.000	5.649	483.36	0.0019	P	19.3
3	☐	50.000	57.718	3930.27	0.0148	P	4.9
4	☐	2500.000	2802.080	176131.82	0.6968	P	0.7
5	☐	6250.000	7126.557	388442.04	1.7714	P	1.5
6	☐	12500.000	13921.969	765531.65	3.4600	P	1.2
7	☐	25000.000	26776.266	1553719.59	6.6542	P	0.4
8	☐	50000.000	51890.365	3222763.99	12.8949	P	1.1
9	☐	250000.00	249348.26	16096473.97	61.9621	A	0.2

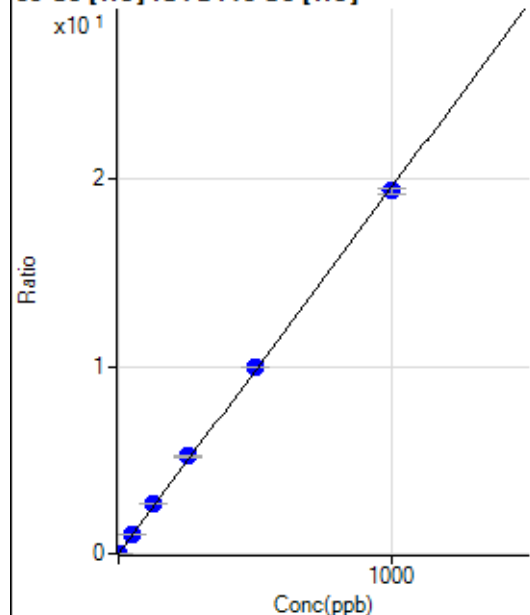
$$y = 2.4849E-004 * x + 4.5635E-004$$

$$R = 0.9999$$

$$DL = 1.073$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	101.12	0.0003	P	13.8
2	☐	0.100	0.101	601.13	0.0023	P	10.2
3	☐	1.000	0.997	5268.80	0.0198	P	2.9
4	☐	50.000	54.356	268576.66	1.0624	P	0.4
5	☐	125.000	136.261	583935.47	2.6628	P	1.3
6	☐	250.000	265.501	1147930.69	5.1881	P	0.5
7	☐	500.000	508.056	2318022.14	9.9275	P	0.1
8	☐	1000.000	990.472	4836702.29	19.3536	P	1.6
9	☐			58198.21	0.2240	P	0.3

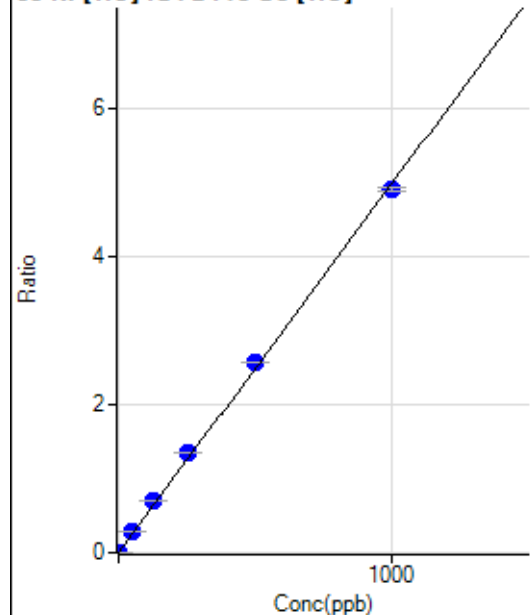
$$y = 0.0195 * x + 3.4605E-004$$

$$R = 0.9998$$

$$DL = 0.007347$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	57.78	0.0002	P	35.6
2	☐	0.100	0.129	217.78	0.0008	P	11.3
3	☐	1.000	1.100	1505.66	0.0057	P	7.5
4	☐	50.000	56.654	71263.19	0.2819	P	0.4
5	☐	125.000	139.905	152611.06	0.6959	P	0.7
6	☐	250.000	271.028	298221.40	1.3479	P	1.1
7	☐	500.000	516.462	599687.31	2.5683	P	0.1
8	☐	1000.000	984.316	1223286.72	4.8947	P	1.2
9	☐			22819.05	0.0878	P	1.5

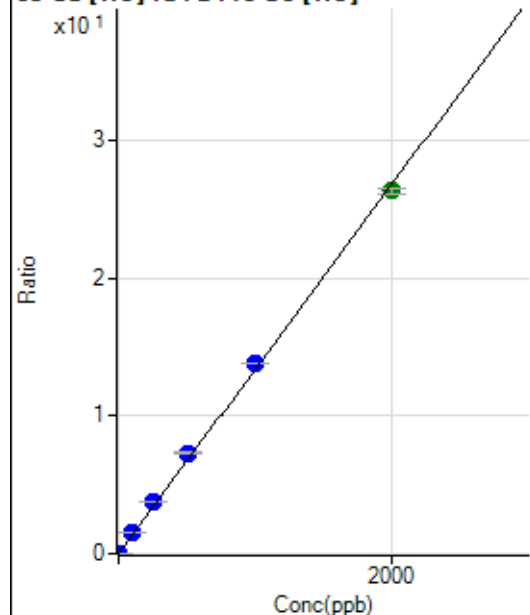
$$y = 0.0050 * x + 1.9782E-004$$

$$R = 0.9995$$

$$DL = 0.04247$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	242.23	0.0008	P	6.9
2	☐	0.200	0.190	876.71	0.0034	P	5.0
3	☐	2.000	2.092	7647.67	0.0288	P	1.5
4	☐	100.000	113.195	382752.04	1.5141	P	0.2
5	☐	250.000	282.270	827706.23	3.7744	P	1.4
6	☐	500.000	546.331	1616249.92	7.3046	P	0.5
7	☐	1000.000	1033.579	3226574.92	13.8185	P	0.4
8	☐	2000.000	1966.934	6571544.48	26.2964	A	1.8
9	☐			9052.92	0.0348	P	2.0

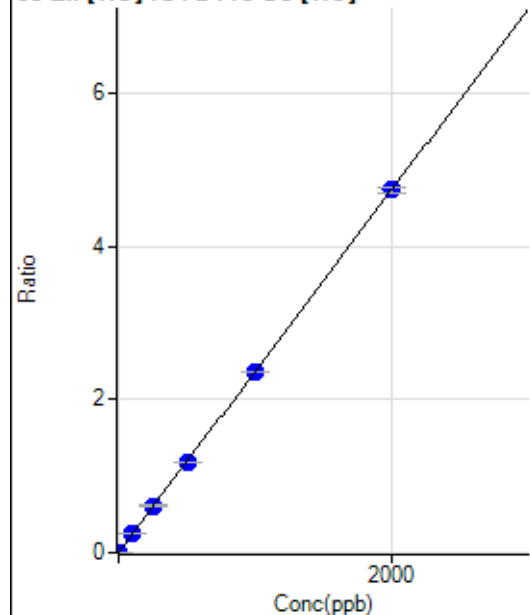
$$y = 0.0134 * x + 8.2871E-004$$

$$R = 0.9994$$

$$DL = 0.01277$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	408.90	0.0014	P	8.1
2	☐	0.200	0.867	897.82	0.0035	P	2.4
3	☐	2.000	2.551	1977.95	0.0074	P	4.7
4	☐	100.000	101.822	61349.30	0.2427	P	0.2
5	☐	250.000	258.157	134461.99	0.6132	P	1.3
6	☐	500.000	495.481	260100.58	1.1755	P	0.8
7	☐	1000.000	997.846	552454.43	2.3660	P	0.6
8	☐	2000.000	2001.095	1185446.97	4.7434	P	1.6
9	☐			7960.06	0.0306	P	1.4

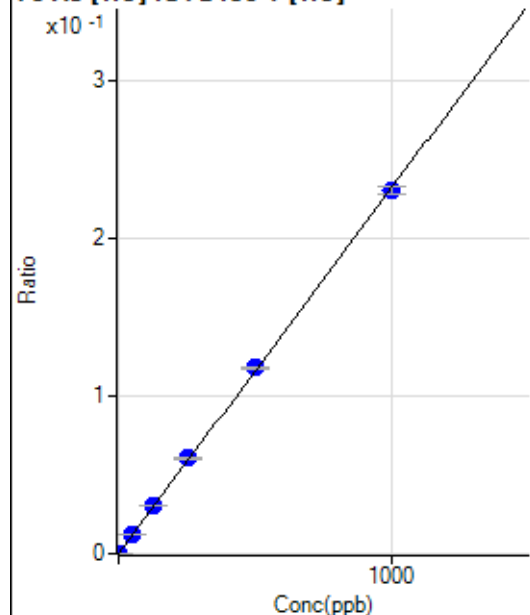
$$y = 0.0024 * x + 0.0014$$

$$R = 1.0000$$

$$DL = 0.1437$$

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	8.64	0.0000	P	74.9
2	☐	0.100	0.071	30.86	0.0000	P	32.7
3	☐	1.000	0.957	322.23	0.0002	P	7.1
4	☐	50.000	53.698	16957.47	0.0125	P	1.2
5	☐	125.000	131.773	37138.04	0.0306	P	1.6
6	☐	250.000	260.353	73320.38	0.0605	P	0.2
7	☐	500.000	508.409	148851.83	0.1181	P	0.7
8	☐	1000.000	992.176	306158.54	0.2305	P	2.2
9	☐			377.79	0.0003	P	11.0

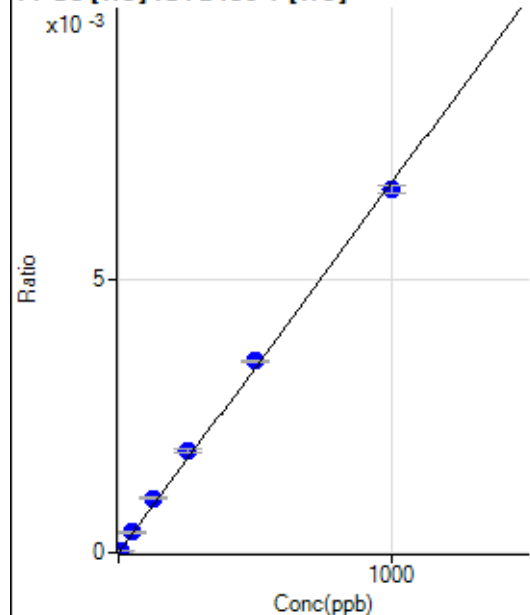
$$y = 2.3228\text{E-}004 * x + 5.6181\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.05437$$

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	0.595	5.56	0.0000	P	35.3
3	☐	5.000	5.355	51.11	0.0000	P	42.4
4	☐	50.000	54.655	501.13	0.0004	P	2.5
5	☐	125.000	147.938	1211.18	0.0010	P	2.6
6	☐	250.000	274.317	2243.54	0.0019	P	4.0
7	☐	500.000	518.918	4412.97	0.0035	P	0.9
8	☐	1000.000	981.360	8796.14	0.0066	P	2.3
9	☐			2.22	0.0000	P	86.6

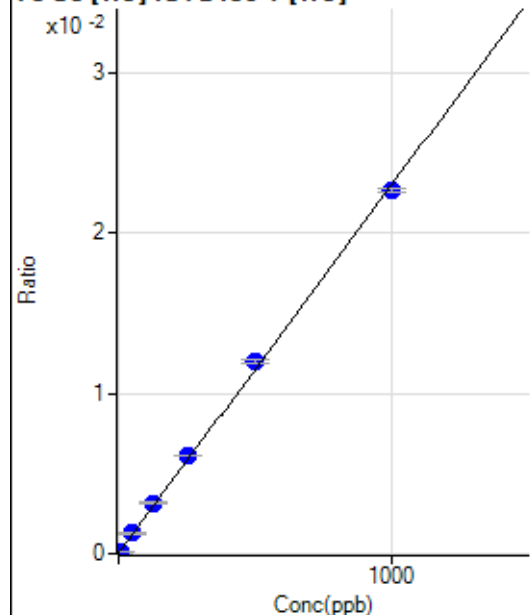
$$y = 6.7472\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9992$$

$$DL = 0$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	38.89	0.0000	P	17.4
2	☐	0.500	0.464	50.00	0.0000	P	5.6
3	☐	5.000	5.769	223.46	0.0002	P	5.9
4	☐	50.000	54.195	1727.90	0.0013	P	2.1
5	☐	125.000	135.765	3816.58	0.0031	P	3.9
6	☐	250.000	265.641	7435.91	0.0061	P	1.0
7	☐	500.000	520.282	15111.04	0.0120	P	2.0
8	☐	1000.000	984.390	30108.39	0.0227	P	1.1
9	☐			48.15	0.0000	P	16.9

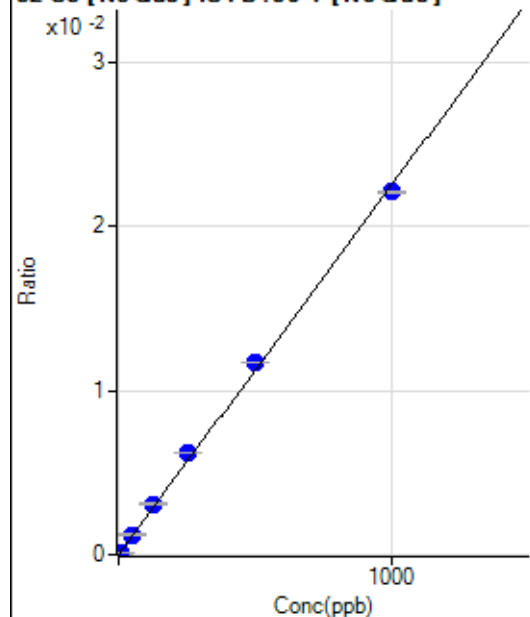
$$y = 2.2994\text{E-}005 * x + 2.5363\text{E-}005$$

$$R = 0.9995$$

$$DL = 0.5747$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	8.40	0.0000	P	473.
2	☐	0.500	0.580	148.77	0.0000	P	43.8
3	☐	5.000	5.128	1283.59	0.0001	P	3.1
4	☐	50.000	54.638	13418.62	0.0012	P	1.5
5	☐	125.000	137.507	31256.69	0.0031	P	0.9
6	☐	250.000	274.542	59602.67	0.0062	P	0.4
7	☐	500.000	519.435	115998.78	0.0117	P	0.4
8	☐	1000.000	982.351	231204.55	0.0221	P	0.6
9	☐			80.90	0.0000	P	102.

$$y = 2.2527\text{E-}005 * x + 7.1951\text{E-}007$$

$$R = 0.9993$$

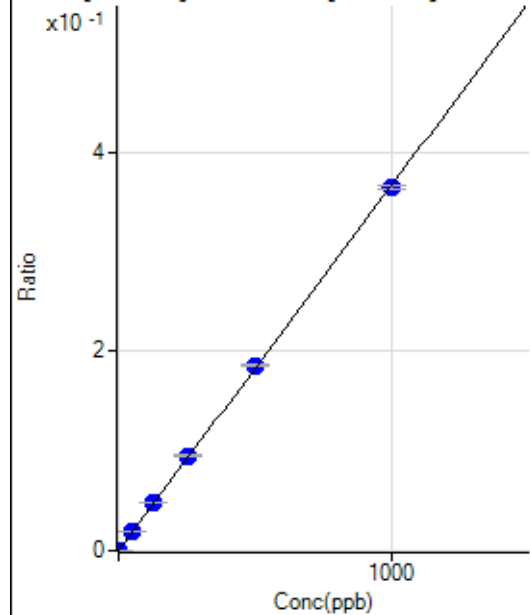
$$DL = 0.4539$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			320.01		P	11.7
2	☐			283.34		P	7.7
3	☐			370.01		P	6.2
4	☐			308.90		P	8.0
5	☐			294.45		P	13.6
6	☐			273.34		P	18.4
7	☐			262.23		P	11.5
8	☐			312.23		P	9.9
9	☐			435.57		P	10.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	500.03	0.0000	P	14.0
2	☐	0.100	0.102	863.96	0.0001	P	11.3
3	☐	1.000	0.914	4170.24	0.0004	P	1.2
4	☐	50.000	51.438	206114.12	0.0189	P	1.0
5	☐	125.000	129.908	481308.64	0.0477	P	0.8
6	☐	250.000	260.184	920351.99	0.0955	P	0.4
7	☐	500.000	506.851	1843958.79	0.1860	P	0.7
8	☐	1000.000	993.343	3808258.64	0.3645	P	1.1
9	☐			17603.04	0.0018	P	0.9

$$y = 3.6693\text{E-}004 * x + 4.2419\text{E-}005$$

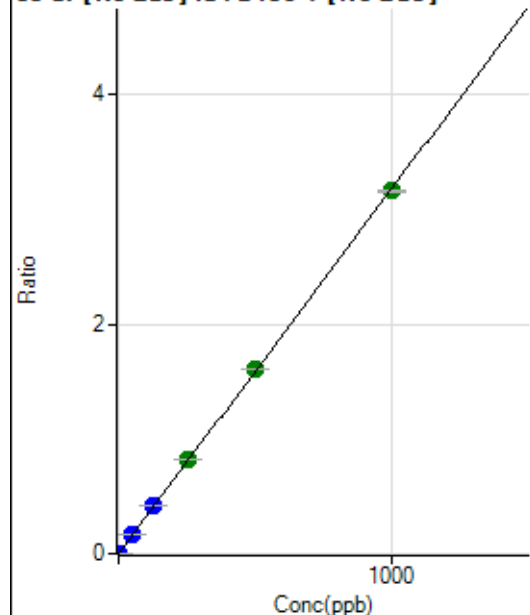
$$R = 0.9999$$

$$DL = 0.04851$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	294.47	0.0000	P	27.2
2	☐	0.100	0.092	3414.44	0.0003	P	3.0
3	☐	1.000	0.902	31900.35	0.0029	P	1.3
4	☐	50.000	51.340	1776745.16	0.1631	P	1.1
5	☐	125.000	130.625	4185295.88	0.4149	P	0.2
6	☐	250.000	257.108	7868113.46	0.8165	A	0.4
7	☐	500.000	505.068	15899511.64	1.6040	A	0.3
8	☐	1000.000	994.919	33008765.32	3.1596	A	0.8
9	☐			144021.58	0.0144	P	1.1

$$y = 0.0032 * x + 2.5000E-005$$

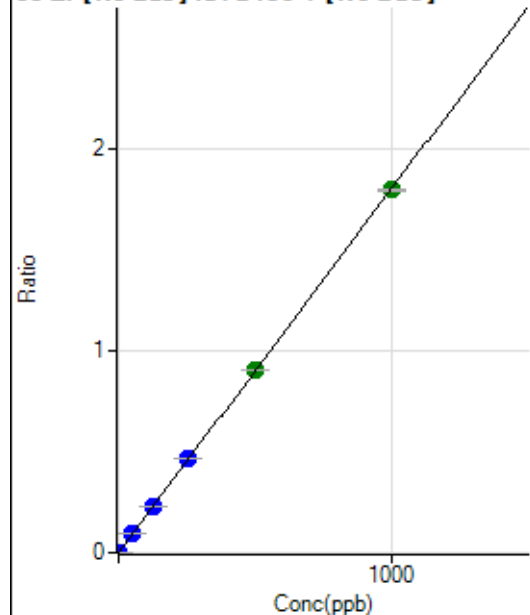
$$R = 0.9999$$

$$DL = 0.006417$$

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	738.94	0.0001	P	23.4
2	☐	0.100	0.103	2689.24	0.0002	P	3.7
3	☐	1.000	0.907	18776.85	0.0017	P	2.0
4	☐	50.000	51.162	1006980.99	0.0924	P	0.7
5	☐	125.000	129.290	2355180.22	0.2335	P	0.1
6	☐	250.000	259.501	4514481.35	0.4685	P	0.3
7	☐	500.000	500.424	8955026.15	0.9034	A	0.2
8	☐	1000.000	996.818	18799275.42	1.7995	A	0.7
9	☐			8024.83	0.0008	P	2.7

$$y = 0.0018 * x + 6.2719E-005$$

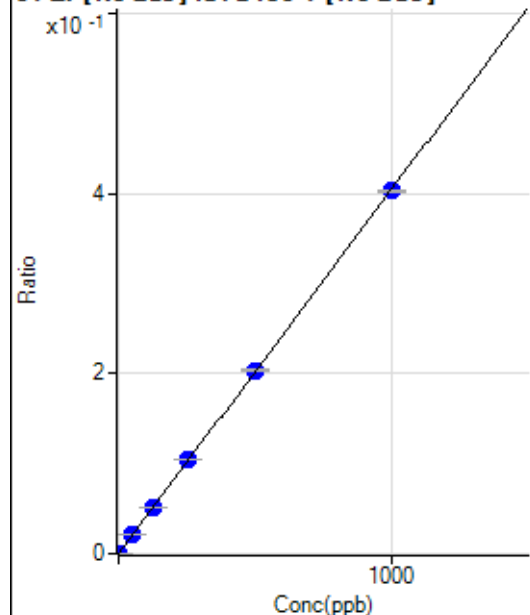
$$R = 0.9999$$

$$DL = 0.02441$$

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	136.12	0.0000	P	3.2
2	☐	0.100	0.111	611.15	0.0001	P	9.3
3	☐	1.000	0.892	4117.44	0.0004	P	8.0
4	☐	50.000	50.986	225049.97	0.0207	P	1.4
5	☐	125.000	127.907	522606.81	0.0518	P	0.3
6	☐	250.000	257.903	1006337.41	0.1044	P	0.5
7	☐	500.000	503.095	2019345.29	0.2037	P	0.5
8	☐	1000.000	996.064	4213625.27	0.4033	P	0.4
9	☐			1714.06	0.0002	P	4.0

$$y = 4.0490\text{E-}004 * x + 1.1549\text{E-}005$$

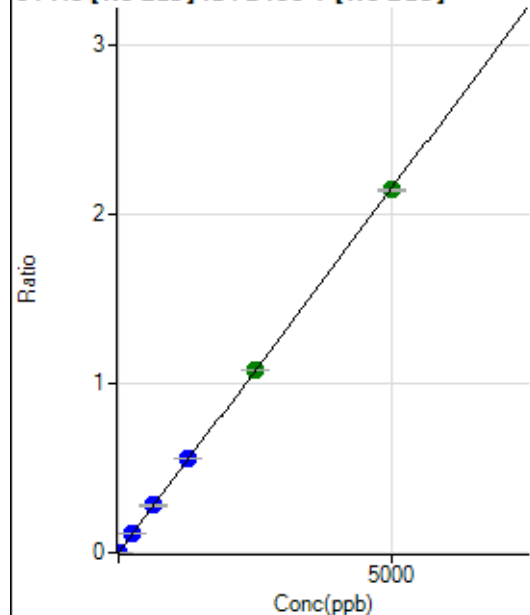
$$R = 1.0000$$

$$DL = 0.002732$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	300.02	0.0000	P	8.4
2	☐	0.500	0.448	2358.65	0.0002	P	3.5
3	☐	5.000	4.866	23380.97	0.0021	P	1.9
4	☐	250.000	256.766	1203038.09	0.1104	P	0.8
5	☐	625.000	648.252	2811835.50	0.2787	P	0.4
6	☐	1250.000	1302.146	5394627.64	0.5598	P	0.4
7	☐	2500.000	2504.071	10671255.01	1.0766	A	0.4
8	☐	5000.000	4981.683	22375151.89	2.1417	A	0.7
9	☐			16165.29	0.0016	P	2.1

$$y = 4.2992\text{E-}004 * x + 2.5458\text{E-}005$$

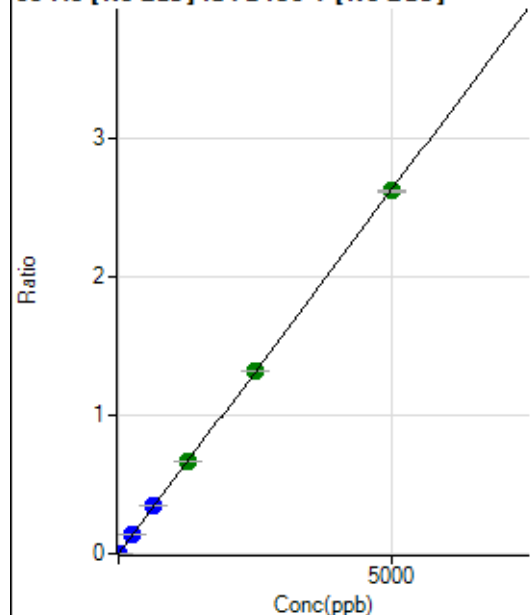
$$R = 0.9999$$

$$DL = 0.01492$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.00	0.0000	P	76.5
2	☐	0.500	0.505	2911.55	0.0003	P	10.4
3	☐	5.000	4.799	27908.60	0.0025	P	1.7
4	☐	250.000	256.963	1472053.92	0.1351	P	0.6
5	☐	625.000	649.568	3445340.70	0.3415	P	0.4
6	☐	1250.000	1274.813	6458363.90	0.6702	A	0.3
7	☐	2500.000	2507.168	13065783.89	1.3181	A	0.4
8	☐	5000.000	4986.794	27390200.96	2.6218	A	0.8
9	☐			24065.69	0.0024	P	2.2

$$y = 5.2575E-004 * x + 4.2489E-006$$

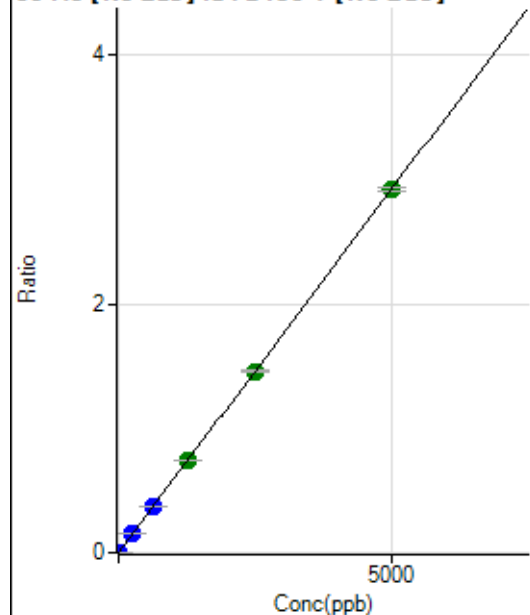
$$R = 1.0000$$

$$DL = 0.01856$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.57	0.0000	P	21.9
2	☐	0.500	0.500	3297.74	0.0003	P	5.2
3	☐	5.000	4.759	30845.60	0.0028	P	1.2
4	☐	250.000	254.502	1619918.70	0.1487	P	0.5
5	☐	625.000	646.435	3809386.72	0.3776	P	0.5
6	☐	1250.000	1273.496	7167999.03	0.7439	A	0.4
7	☐	2500.000	2499.619	14472392.68	1.4601	A	0.8
8	☐	5000.000	4991.412	30459469.78	2.9156	A	1.0
9	☐			35553.76	0.0036	P	2.6

$$y = 5.8412E-004 * x + 1.3206E-005$$

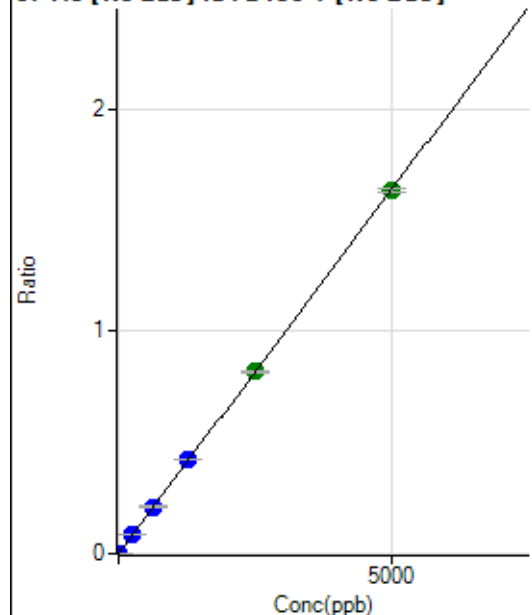
$$R = 1.0000$$

$$DL = 0.01487$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0000	P	70.2
2	☐	0.500	0.484	1769.64	0.0002	P	1.4
3	☐	5.000	4.819	17486.33	0.0016	P	2.7
4	☐	250.000	256.733	916216.89	0.0841	P	0.7
5	☐	625.000	646.497	2136115.44	0.2117	P	0.7
6	☐	1250.000	1300.316	4103733.81	0.4259	P	0.3
7	☐	2500.000	2501.268	8120030.22	0.8192	A	0.8
8	☐	5000.000	4983.763	17051958.89	1.6323	A	1.0
9	☐			14096.46	0.0014	P	1.8

$$y = 3.2751E-004 * x + 5.1922E-006$$

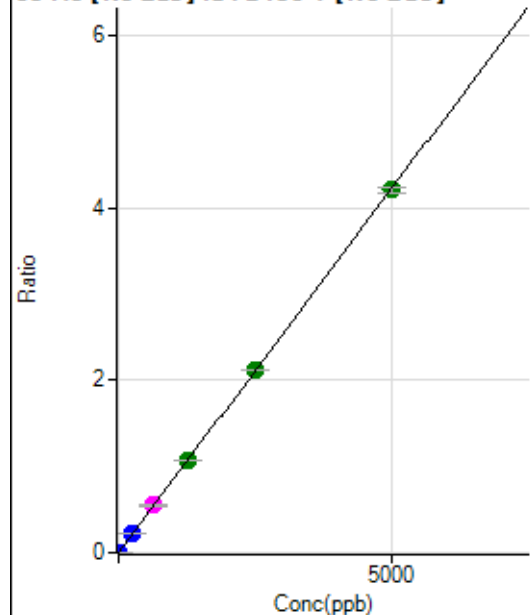
$$R = 0.9999$$

$$DL = 0.03337$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.78	0.0000	P	4.3
2	☐	0.500	0.486	4537.03	0.0004	P	7.0
3	☐	5.000	4.855	45442.80	0.0041	P	0.7
4	☐	250.000	256.642	2365151.29	0.2171	P	0.6
5	☐	625.000	649.411	5540648.78	0.5493	M	1.4
6	☐	1250.000	1277.902	10414779.40	1.0808	A	0.2
7	☐	2500.000	2510.245	21044990.75	2.1231	A	0.5
8	☐	5000.000	4984.519	44040734.66	4.2158	A	1.4
9	☐			34612.35	0.0035	P	3.9

$$y = 8.4577E-004 * x + 8.7205E-006$$

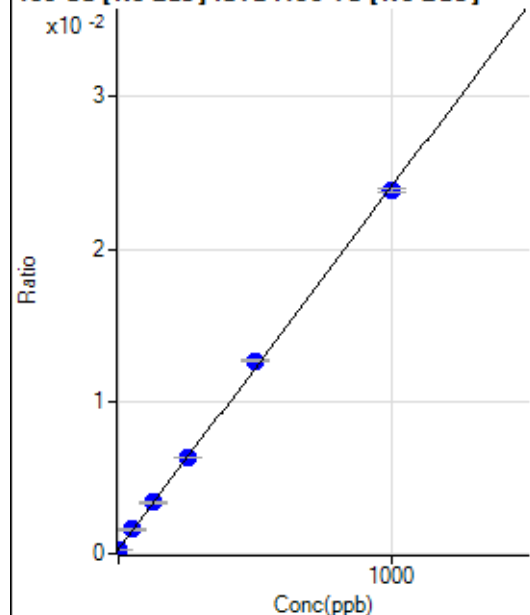
$$R = 1.0000$$

$$DL = 0.001342$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4614.84	0.0003	P	3.7
2	☐	0.100	-1.033	3922.96	0.0003	P	4.8
3	☐	1.000	0.343	4525.92	0.0003	P	2.1
4	☐	50.000	54.335	23495.20	0.0016	P	1.9
5	☐	125.000	130.334	48637.39	0.0034	P	3.2
6	☐	250.000	252.655	88995.79	0.0063	P	0.4
7	☐	500.000	519.413	183231.75	0.0127	P	0.9
8	☐	1000.000	988.747	357715.29	0.0238	P	1.0
9	☐			3464.47	0.0002	P	2.7

$$y = 2.3783\text{E-}005 * x + 2.9775\text{E-}004$$

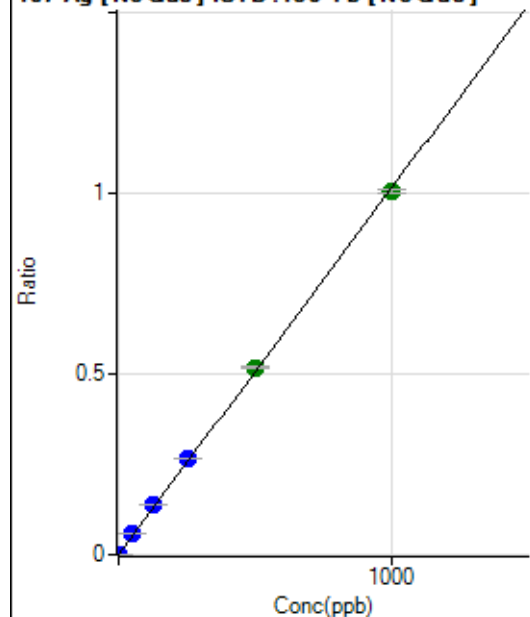
$$R = 0.9997$$

$$DL = 1.404$$

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	113.89	0.0000	P	15.4
2	☐	0.100	0.115	1780.74	0.0001	P	5.2
3	☐	1.000	1.121	16946.88	0.0011	P	3.9
4	☐	50.000	56.884	853784.98	0.0578	P	0.4
5	☐	125.000	136.671	1986964.56	0.1388	P	0.6
6	☐	250.000	262.318	3759426.43	0.2664	P	0.4
7	☐	500.000	510.438	7508144.00	0.5184	A	0.8
8	☐	1000.000	989.899	15101535.41	1.0053	A	0.9
9	☐			880.63	0.0001	P	9.1

$$y = 0.0010 * x + 7.3499\text{E-}006$$

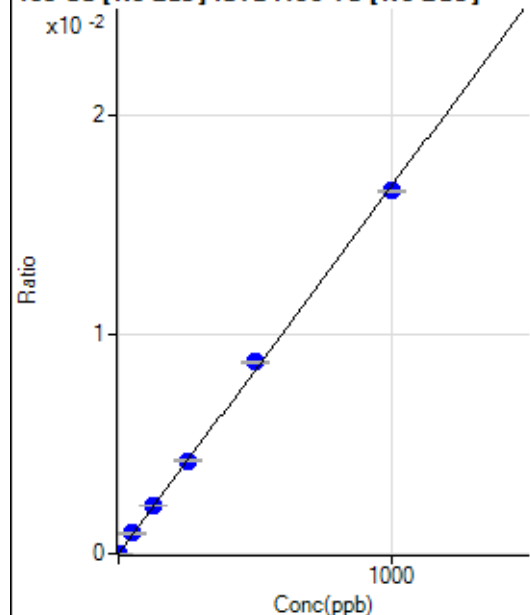
$$R = 0.9998$$

$$DL = 0.003351$$

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	13.89	0.0000	P	45.9
2	☐	0.100	0.109	38.89	0.0000	P	43.6
3	☐	1.000	0.873	229.17	0.0000	P	6.9
4	☐	50.000	55.258	13673.49	0.0009	P	2.1
5	☐	125.000	129.357	30989.76	0.0022	P	0.5
6	☐	250.000	253.245	59795.31	0.0042	P	1.2
7	☐	500.000	520.984	126250.07	0.0087	P	1.0
8	☐	1000.000	987.889	248289.43	0.0165	P	0.3
9	☐			80.56	0.0000	P	10.4

$$y = 1.6729\text{E-}005 * x + 8.9569\text{E-}007$$

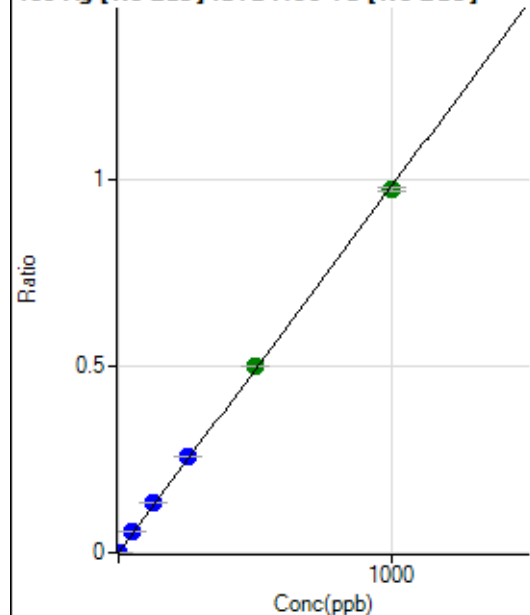
$$R = 0.9997$$

$$DL = 0.07365$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	37.2
2	☐	0.100	0.117	1700.18	0.0001	P	6.4
3	☐	1.000	1.112	16248.82	0.0011	P	1.2
4	☐	50.000	57.205	831745.52	0.0563	P	0.4
5	☐	125.000	137.613	1938190.28	0.1354	P	1.3
6	☐	250.000	263.545	3658932.63	0.2593	P	0.8
7	☐	500.000	508.576	7247101.46	0.5004	A	0.3
8	☐	1000.000	990.389	14637049.81	0.9744	A	1.0
9	☐			883.40	0.0001	P	12.6

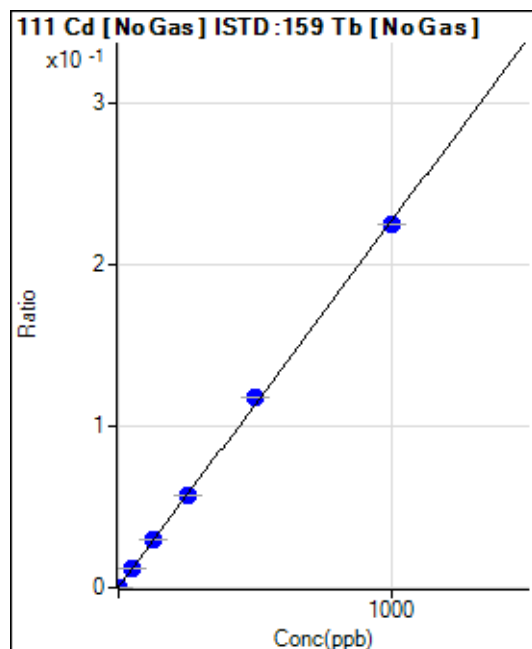
$$y = 9.8386\text{E-}004 * x + 3.7588\text{E-}006$$

$$R = 0.9998$$

$$DL = 0.004266$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3233.17	0.0002	P	3.6
2	☐	0.100	0.018	3054.97	0.0002	P	6.3
3	☐	1.000	0.916	6163.70	0.0004	P	2.4
4	☐	50.000	53.330	182000.49	0.0123	P	0.4
5	☐	125.000	130.217	426169.22	0.0298	P	0.6
6	☐	250.000	251.302	808046.52	0.0573	P	0.7
7	☐	500.000	518.309	1707325.92	0.1179	P	0.3
8	☐	1000.000	989.701	3378585.78	0.2249	P	0.1
9	☐			2672.91	0.0002	P	3.7

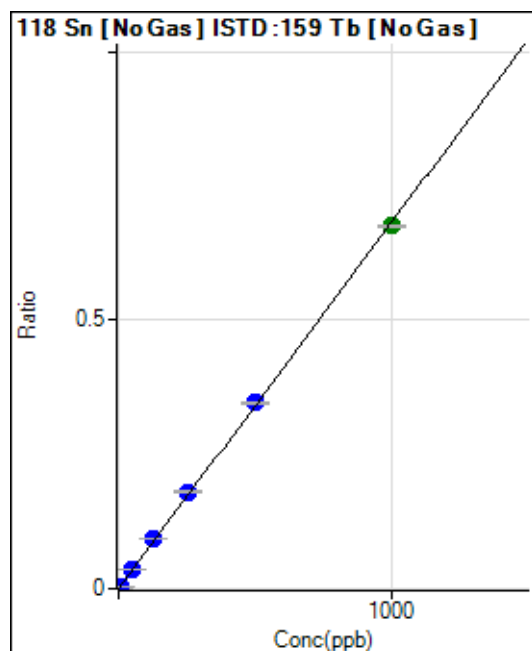
$$y = 2.2703\text{E-}004 * x + 2.0860\text{E-}004$$

$$R = 0.9998$$

$$DL = 0.09938$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	652.82	0.0000	P	12.4
2	☐	0.500	0.508	5579.29	0.0004	P	6.1
3	☐	5.000	5.070	51804.66	0.0035	P	1.2
4	☐	50.000	54.247	547614.43	0.0371	P	1.4
5	☐	125.000	134.340	1312786.74	0.0917	P	0.3
6	☐	250.000	265.116	2553402.31	0.1809	P	0.5
7	☐	500.000	508.203	5023184.53	0.3468	P	0.6
8	☐	1000.000	990.739	10156284.77	0.6761	A	0.3
9	☐			9228.47	0.0006	P	1.8

$$y = 6.8236\text{E-}004 * x + 4.2117\text{E-}005$$

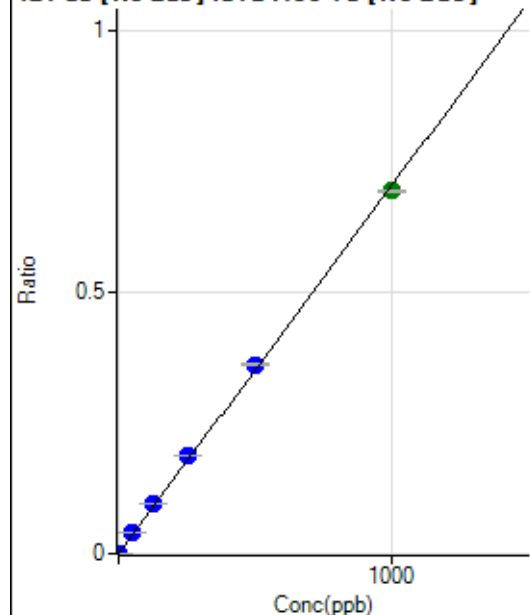
$$R = 0.9998$$

$$DL = 0.02287$$

Weight: <None>

Min Conc: 0

121 Sb [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	21.8
2	☐	0.200	0.206	2150.25	0.0001	P	1.5
3	☐	2.000	1.987	20702.04	0.0014	P	0.8
4	☐	50.000	55.355	574195.54	0.0389	P	0.8
5	☐	125.000	136.078	1367233.35	0.0955	P	0.3
6	☐	250.000	268.040	2654853.53	0.1881	P	0.4
7	☐	500.000	514.681	5232173.29	0.3612	P	1.3
8	☐	1000.000	986.497	10401378.70	0.6924	A	0.6
9	☐			10754.52	0.0008	P	1.3

$$y = 7.0187\text{E-}004 * x + 4.8367\text{E-}006$$

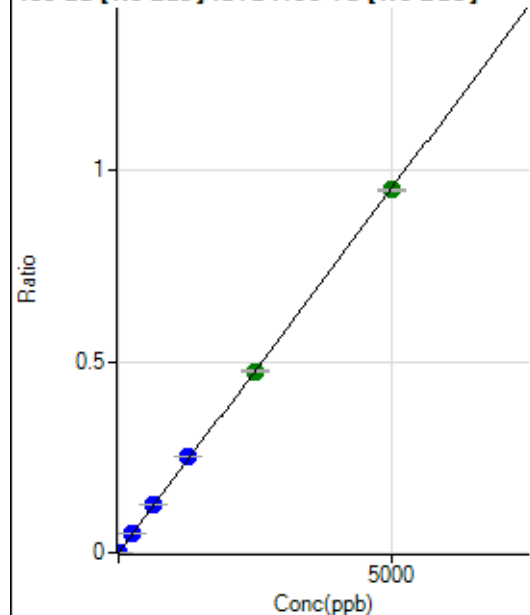
$$R = 0.9996$$

$$DL = 0.004515$$

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	47.22	0.0000	P	10.7
2	☐	1.000	1.043	2900.44	0.0002	P	1.3
3	☐	10.000	9.874	27898.25	0.0019	P	0.7
4	☐	250.000	266.548	751076.33	0.0508	P	0.6
5	☐	625.000	665.607	1816721.91	0.1269	P	0.4
6	☐	1250.000	1311.244	3528124.60	0.2500	P	0.6
7	☐	2500.000	2494.486	6888831.49	0.4756	A	0.4
8	☐	5000.000	4981.543	14268843.20	0.9498	A	0.6
9	☐			2175.26	0.0002	P	1.2

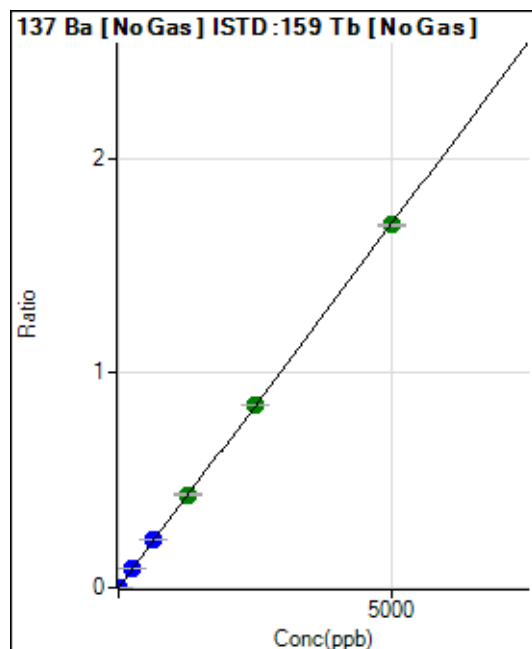
$$y = 1.9067\text{E-}004 * x + 3.0479\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.005113$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	69.45	0.0000	P	14.3
2	☐	1.000	0.983	4845.51	0.0003	P	4.7
3	☐	10.000	9.777	49046.02	0.0033	P	1.4
4	☐	250.000	265.453	1328403.82	0.0899	P	0.5
5	☐	625.000	660.826	3203324.29	0.2238	P	0.5
6	☐	1250.000	1280.920	6120793.89	0.4338	A	1.0
7	☐	2500.000	2501.548	12268984.65	0.8471	A	0.3
8	☐	5000.000	4986.245	25365475.74	1.6885	A	0.3
9	☐			3939.62	0.0003	P	4.0

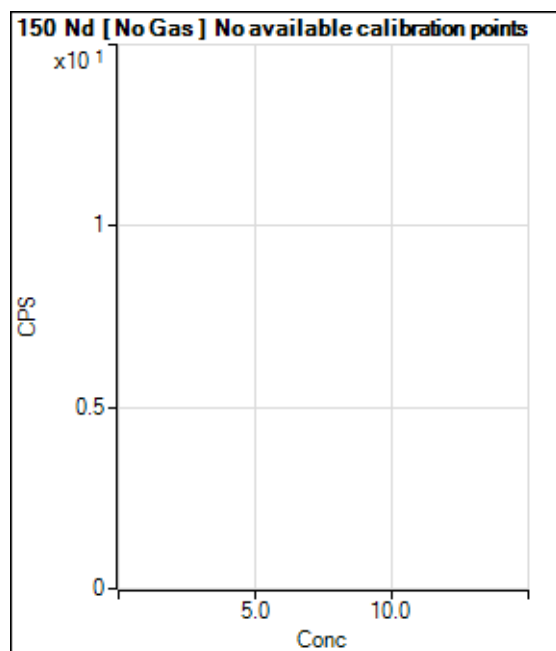
$$y = 3.3863\text{E-}004 * x + 4.4828\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.005684$$

Weight: <None>

Min Conc: 0



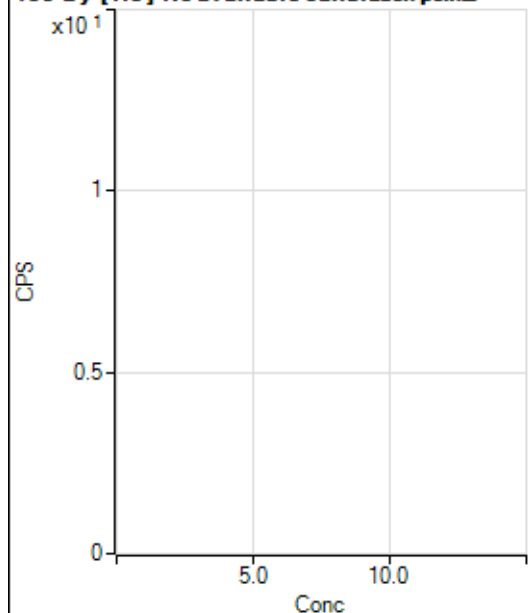
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐			2.22		P	173.
3	☐			8.89		P	86.6
4	☐			68.89		P	20.1
5	☐			131.12		P	12.8
6	☐			308.90		P	7.6
7	☐			626.70		P	4.9
8	☐			1131.20		P	11.7
9	☐			215.56		P	7.8

150 Nd [He] No available calibration points

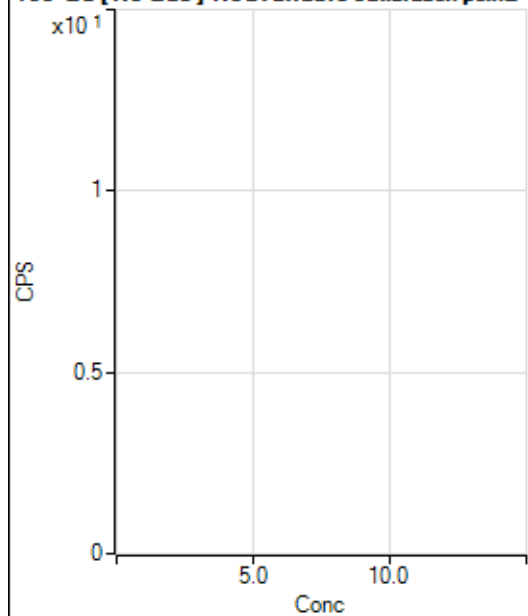
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐			0.00		P	
3	☐			2.22		P	173.
4	☐			3.33		P	100.
5	☐			7.78		P	89.2
6	☐			40.00		P	50.7
7	☐			61.11		P	25.2
8	☐			81.12		P	19.4
9	☐			77.78		P	17.8

156 Dy [No Gas] No available calibration points

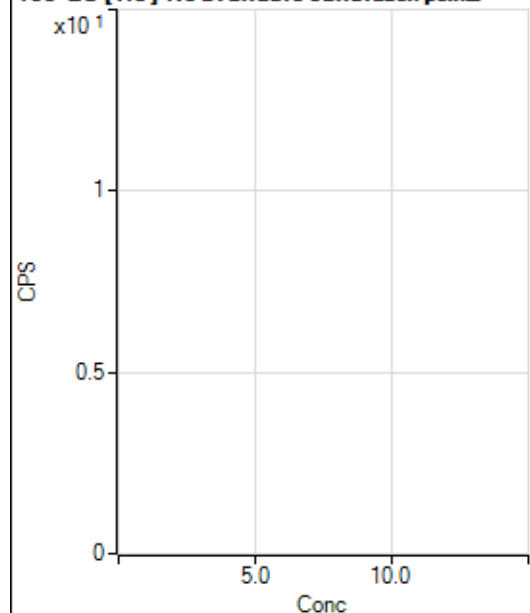
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	50.0
2	☐			19.45		P	24.7
3	☐			16.67		P	50.0
4	☐			44.45		P	10.8
5	☐			38.89		P	12.4
6	☐			88.90		P	30.1
7	☐			100.01		P	38.2
8	☐			252.79		P	36.2
9	☐			94.45		P	31.0

156 Dy [He] No available calibration points

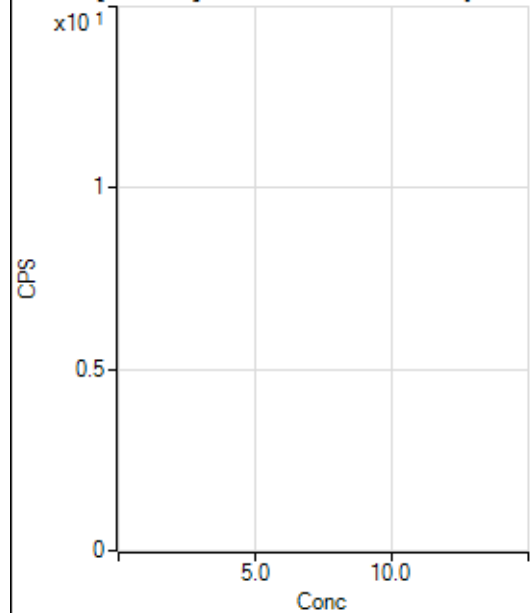
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐			4.44		P	114.
3	☐			8.89		P	21.6
4	☐			17.78		P	47.2
5	☐			24.44		P	7.9
6	☐			68.89		P	15.6
7	☐			116.67		P	17.8
8	☐			253.34		P	14.8
9	☐			61.11		P	33.3

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			61.11		P	20.8
2	☐			66.67		P	12.5
3	☐			63.89		P	15.1
4	☐			36.11		P	13.3
5	☐			58.34		P	42.9
6	☐			69.45		P	59.2
7	☐			61.11		P	28.4
8	☐			113.89		P	27.7
9	☐			91.67		P	32.8

160 Gd [He] No available calibration points

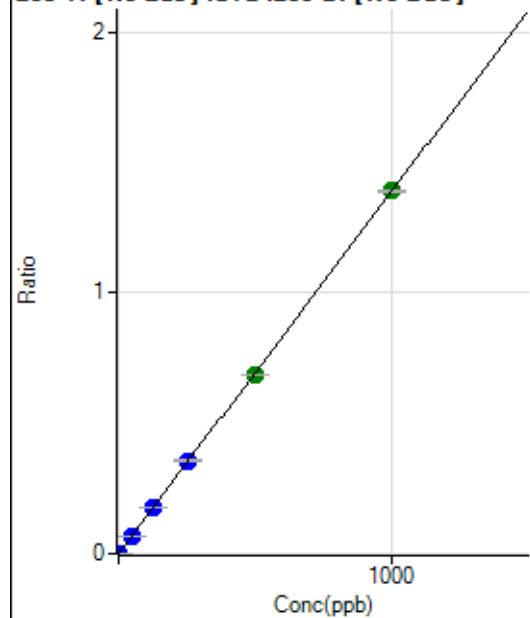
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			244.45		P	10.4
2	☐			212.23		P	11.0
3	☐			236.67		P	16.2
4	☐			210.00		P	30.3
5	☐			223.34		P	11.8
6	☐			204.45		P	5.0
7	☐			232.23		P	23.2
8	☐			261.12		P	3.7
9	☐			215.56		P	7.8

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50.00		P	72.7
2	☐			41.67		P	40.0
3	☐			27.78		P	45.8
4	☐			44.44		P	60.3
5	☐			36.11		P	35.3
6	☐			47.23		P	20.4
7	☐			75.00		P	33.3
8	☐			52.78		P	24.1
9	☐			61.12		P	34.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20.00		P	33.4
2	☐			27.78		P	38.6
3	☐			24.44		P	20.8
4	☐			17.78		P	65.8
5	☐			25.55		P	27.1
6	☐			21.11		P	9.1
7	☐			23.33		P	42.9
8	☐			25.55		P	52.7
9	☐			32.22		P	15.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	200.01	0.0000	P	14.2
2	☐	0.100	0.093	1547.38	0.0001	P	5.4
3	☐	1.000	0.870	13201.48	0.0012	P	1.9
4	☐	50.000	48.867	724356.38	0.0679	P	0.3
5	☐	125.000	125.114	1790936.65	0.1738	P	0.2
6	☐	250.000	256.550	3588881.07	0.3564	P	1.2
7	☐	500.000	492.969	6927041.21	0.6848	A	0.6
8	☐	1000.000	1001.920	13942948.57	1.3917	A	0.3
9	☐			2411.44	0.0003	P	4.5

$$y = 0.0014 * x + 1.8059E-005$$

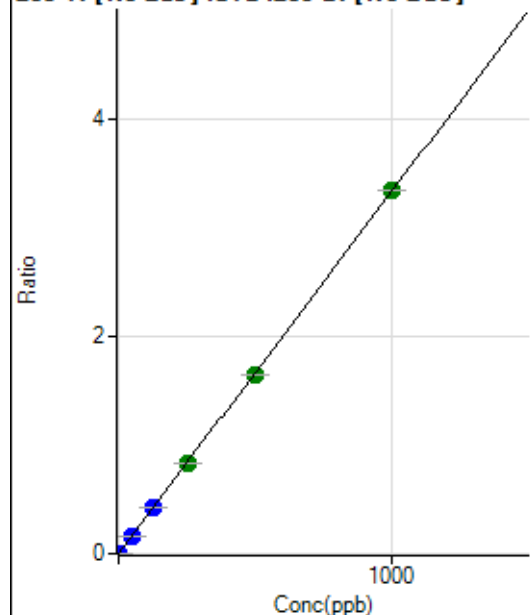
$$R = 0.9999$$

$$DL = 0.005543$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	566.71	0.0001	P	19.0
2	☐	0.100	0.083	3442.27	0.0003	P	5.8
3	☐	1.000	0.877	31989.48	0.0030	P	0.5
4	☐	50.000	49.427	1757820.05	0.1648	P	0.1
5	☐	125.000	126.365	4339711.60	0.4212	P	0.3
6	☐	250.000	249.046	8358433.96	0.8300	A	1.0
7	☐	500.000	495.260	16696024.33	1.6505	A	0.3
8	☐	1000.000	1002.467	33469284.43	3.3407	A	0.1
9	☐			6123.90	0.0007	P	2.1

$$y = 0.0033 * x + 5.1176E-005$$

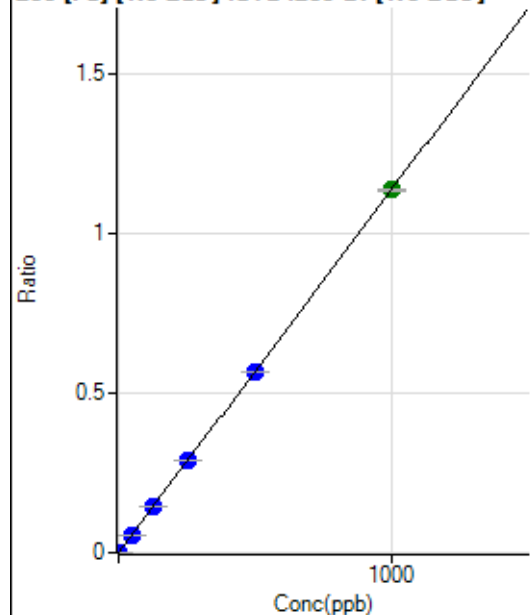
$$R = 1.0000$$

$$DL = 0.008759$$

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	963.03	0.0001	P	5.5
2	☐	0.100	0.067	1707.57	0.0002	P	5.6
3	☐	1.000	0.870	11583.10	0.0011	P	1.2
4	☐	50.000	49.310	599029.82	0.0561	P	0.7
5	☐	125.000	126.160	1478852.62	0.1435	P	0.3
6	☐	250.000	254.765	2917803.77	0.2897	P	0.6
7	☐	500.000	498.014	5728615.23	0.5663	P	0.9
8	☐	1000.000	999.691	11387402.11	1.1366	A	0.4
9	☐			11922.32	0.0014	P	2.4

$$y = 0.0011 * x + 8.6973E-005$$

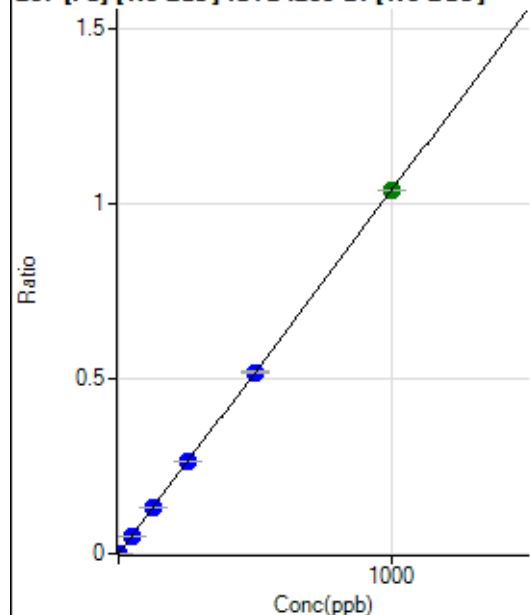
$$R = 1.0000$$

$$DL = 0.01262$$

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	835.24	0.0001	P	4.3
2	☐	0.100	0.079	1642.74	0.0002	P	5.3
3	☐	1.000	0.832	10104.12	0.0009	P	1.9
4	☐	50.000	49.228	545850.32	0.0512	P	0.4
5	☐	125.000	126.259	1350944.74	0.1311	P	0.3
6	☐	250.000	254.789	2663673.38	0.2645	P	0.4
7	☐	500.000	499.396	5243606.19	0.5183	P	0.5
8	☐	1000.000	998.986	10387400.69	1.0368	A	0.1
9	☐			9979.97	0.0012	P	2.6

$$y = 0.0010 * x + 7.5438E-005$$

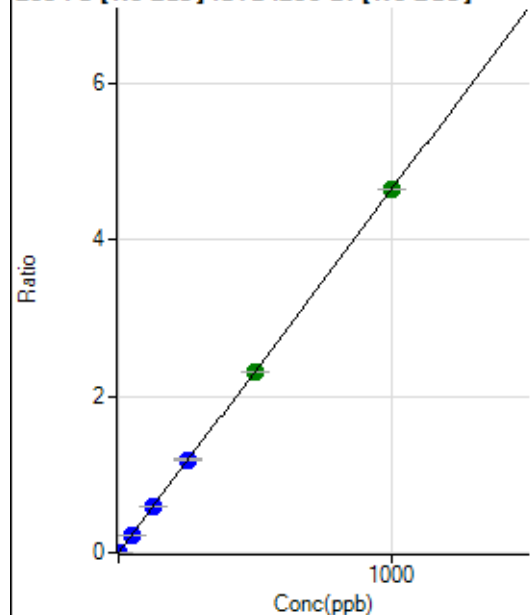
$$R = 1.0000$$

$$DL = 0.009292$$

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	3924.42	0.0004	P	2.1
2	☐	0.100	0.071	7152.82	0.0007	P	1.6
3	☐	1.000	0.854	46520.12	0.0043	P	0.3
4	☐	50.000	49.345	2448569.57	0.2295	P	0.7
5	☐	125.000	126.512	6057486.67	0.5879	P	0.3
6	☐	250.000	256.674	12007735.45	1.1923	P	0.5
7	☐	500.000	497.532	23376403.53	2.3108	A	0.1
8	☐	1000.000	999.410	46501391.78	4.6415	A	0.1
9	☐			47180.54	0.0056	P	0.8

$$y = 0.0046 * x + 3.5443E-004$$

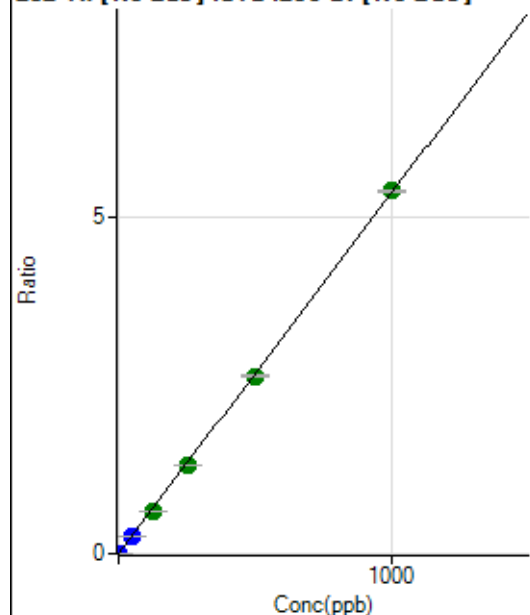
$$R = 1.0000$$

$$DL = 0.004812$$

Weight: <None>

Min Conc: 0

232 Th [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	35.19	0.0000	P	48.3
2	☐	0.100	0.096	5445.74	0.0005	P	2.4
3	☐	1.000	0.814	47029.19	0.0044	P	1.6
4	☐	50.000	46.602	2667613.23	0.2500	P	1.0
5	☐	125.000	119.390	6600788.00	0.6406	A	0.5
6	☐	250.000	246.431	13316014.88	1.3222	A	0.3
7	☐	500.000	492.113	26710470.74	2.6404	A	0.6
8	☐	1000.000	1005.707	54060037.78	5.3961	A	0.9
9	☐			5932.99	0.0007	P	5.8

$$y = 0.0054 * x + 3.1792E-006$$

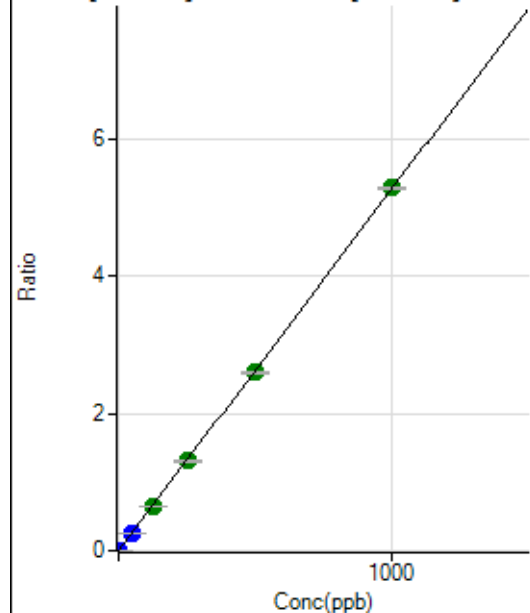
$$R = 0.9999$$

$$DL = 0.000858$$

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	105.56	0.0000	P	23.1
2	☐	0.100	0.083	4670.49	0.0004	P	5.4
3	☐	1.000	0.828	46927.55	0.0044	P	1.9
4	☐	50.000	47.186	2646310.95	0.2480	P	0.6
5	☐	125.000	120.996	6553832.40	0.6360	A	0.2
6	☐	250.000	247.957	13126263.57	1.3034	A	0.7
7	☐	500.000	492.826	26205245.20	2.5906	A	0.8
8	☐	1000.000	1004.739	52912206.39	5.2815	A	0.3
9	☐			2861.57	0.0003	P	6.1

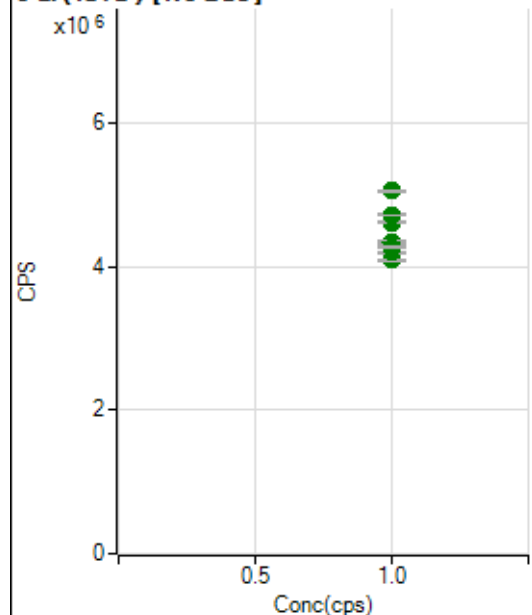
$$y = 0.0053 * x + 9.5371E-006$$

$$R = 1.0000$$

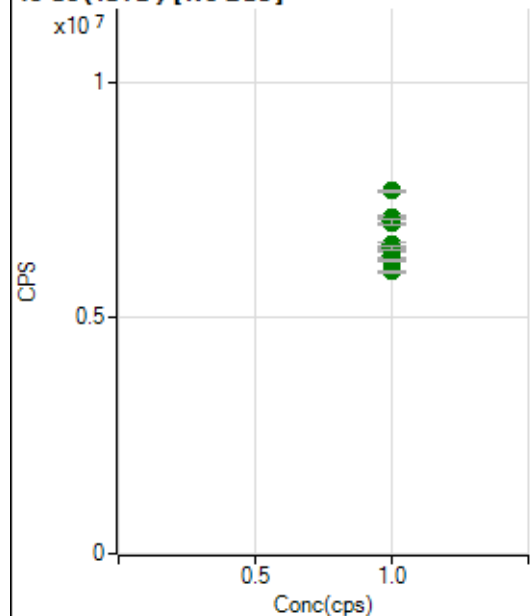
$$DL = 0.001255$$

Weight: <None>

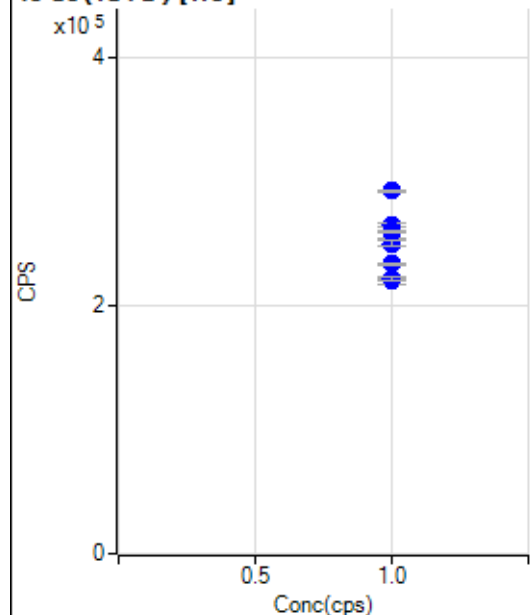
Min Conc: 0

6 Li (ISTD) [No Gas]

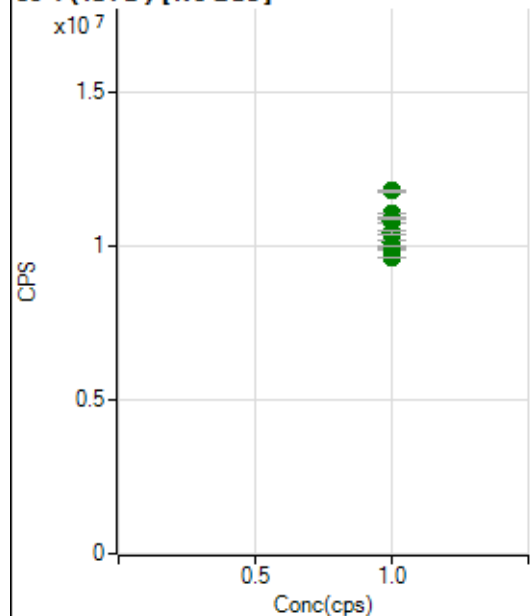
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5050463.33		A	0.2
2	☐	1.000		4613043.44		A	0.7
3	☐	1.000		4720972.85		A	0.3
4	☐	1.000		4704692.26		A	0.2
5	☐	1.000		4303567.61		A	1.5
6	☐	1.000		4083944.70		A	0.3
7	☐	1.000		4192082.26		A	0.3
8	☐	1.000		4335625.60		A	1.2
9	☐	1.000		4267982.33		A	1.0

45 Sc (ISTD) [No Gas]

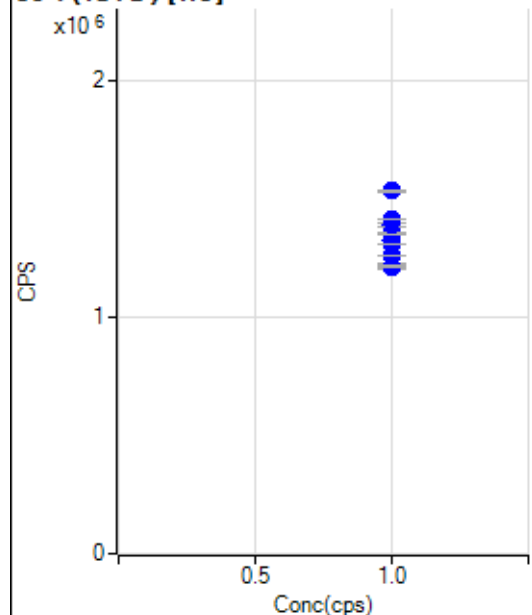
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7696441.84		A	0.3
2	☐	1.000		6997222.12		A	0.9
3	☐	1.000		7151789.74		A	0.5
4	☐	1.000		7038651.20		A	1.2
5	☐	1.000		6333685.47		A	1.8
6	☐	1.000		5990260.68		A	0.8
7	☐	1.000		6208608.21		A	0.6
8	☐	1.000		6549214.64		A	1.4
9	☐	1.000		6486354.36		A	1.0

45 Sc (ISTD) [He]

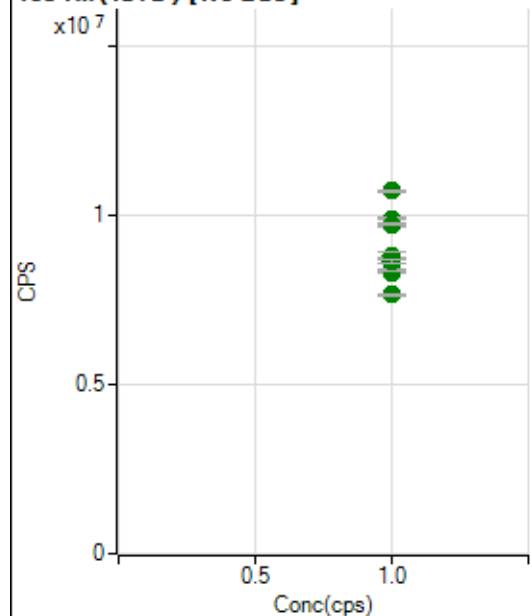
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		292349.75		P	0.6
2	☐	1.000		259955.71		P	0.5
3	☐	1.000		265591.39		P	1.2
4	☐	1.000		252792.31		P	0.4
5	☐	1.000		219326.28		P	1.7
6	☐	1.000		221271.36		P	1.1
7	☐	1.000		233496.11		P	0.4
8	☐	1.000		249958.26		P	1.8
9	☐	1.000		259780.48		P	0.5

89 Y (ISTD) [No Gas]

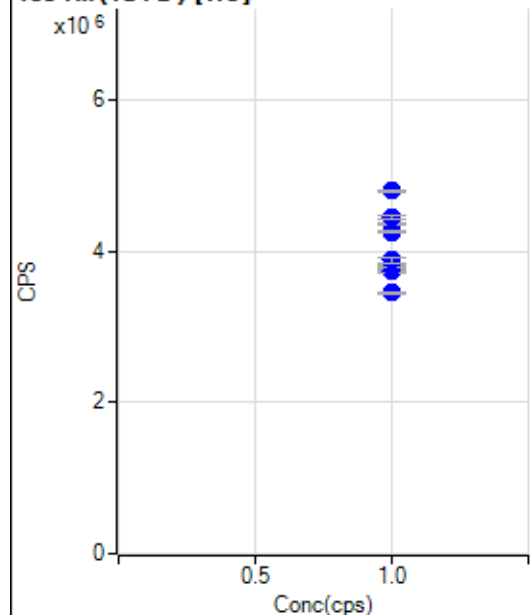
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11785267.88		A	0.3
2	☐	1.000		10806280.67		A	0.9
3	☐	1.000		11042903.59		A	0.2
4	☐	1.000		10896238.73		A	0.9
5	☐	1.000		10088653.04		A	1.4
6	☐	1.000		9635988.81		A	0.2
7	☐	1.000		9912427.84		A	0.7
8	☐	1.000		10447531.37		A	1.0
9	☐	1.000		9993677.98		A	0.3

89 Y(ISTD) [He]

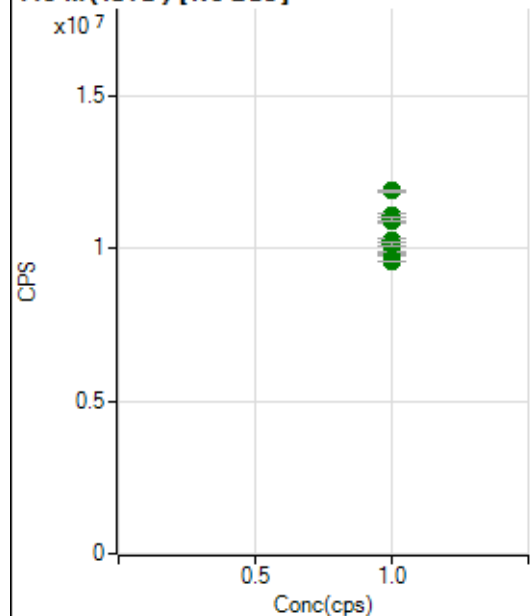
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1533763.59		P	0.6
2	☐	1.000		1387698.92		P	1.0
3	☐	1.000		1414013.66		P	0.4
4	☐	1.000		1358903.90		P	0.3
5	☐	1.000		1213354.83		P	2.1
6	☐	1.000		1212313.65		P	0.5
7	☐	1.000		1260406.01		P	0.1
8	☐	1.000		1328902.41		P	2.5
9	☐	1.000		1310066.62		P	0.4

103 Rh(ISTD) [No Gas]

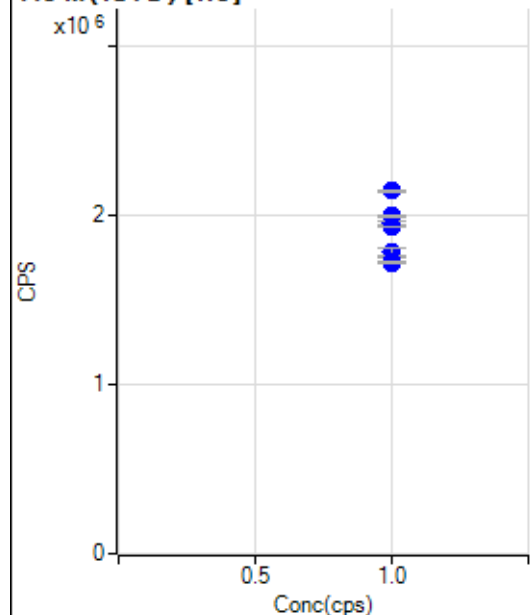
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10701331.14		A	0.3
2	☐	1.000		9704920.44		A	0.7
3	☐	1.000		9877324.18		A	0.5
4	☐	1.000		9714971.05		A	0.6
5	☐	1.000		8817783.44		A	1.5
6	☐	1.000		8286823.62		A	0.3
7	☐	1.000		8361071.54		A	1.0
8	☐	1.000		8612254.36		A	1.0
9	☐	1.000		7632076.21		A	0.4

103 Rh (ISTD) [He]

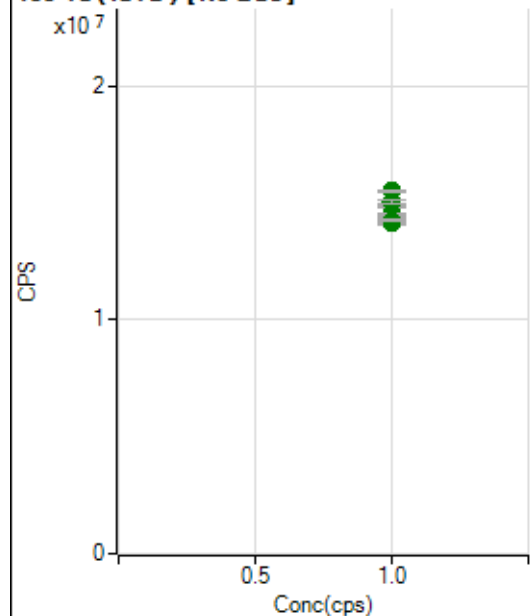
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4805877.95		P	0.8
2	☐	1.000		4376371.85		P	0.7
3	☐	1.000		4456303.33		P	0.7
4	☐	1.000		4260320.46		P	0.3
5	☐	1.000		3784034.25		P	1.8
6	☐	1.000		3740760.19		P	0.9
7	☐	1.000		3800904.66		P	0.3
8	☐	1.000		3884989.25		P	2.3
9	☐	1.000		3458462.03		P	0.5

115 In (ISTD) [No Gas]

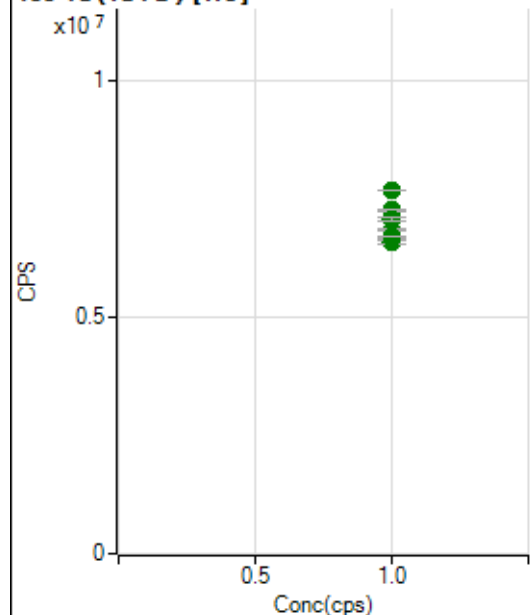
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11888917.21		A	0.4
2	☐	1.000		10873219.31		A	0.7
3	☐	1.000		11097795.84		A	0.7
4	☐	1.000		10955323.72		A	1.1
5	☐	1.000		10260725.44		A	0.9
6	☐	1.000		9811177.09		A	0.5
7	☐	1.000		9872066.44		A	0.2
8	☐	1.000		10143083.45		A	1.1
9	☐	1.000		9574737.34		A	0.2

115 In (ISTD) [He]

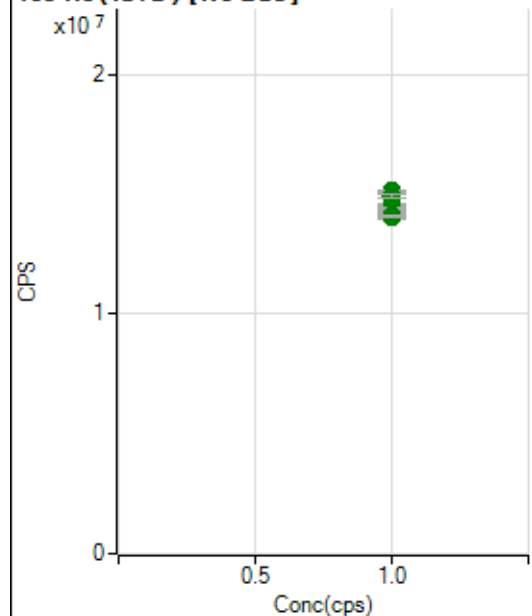
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2142148.12		P	0.7
2	☐	1.000		1956201.69		P	1.0
3	☐	1.000		1993108.32		P	0.7
4	☐	1.000		1931151.03		P	0.1
5	☐	1.000		1719832.35		P	1.2
6	☐	1.000		1722031.82		P	0.8
7	☐	1.000		1751894.11		P	0.3
8	☐	1.000		1782776.99		P	2.2
9	☐	1.000		1721163.44		P	0.3

159 Tb (ISTD) [No Gas]

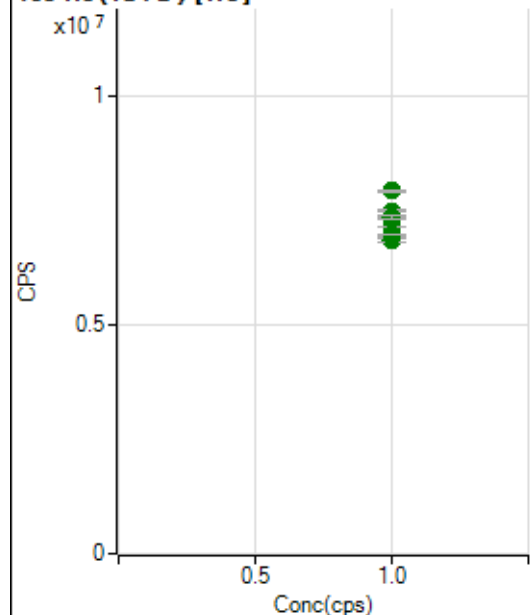
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		15499539.35		A	0.5
2	☐	1.000		14360242.56		A	1.2
3	☐	1.000		14794667.56		A	0.5
4	☐	1.000		14777374.08		A	0.2
5	☐	1.000		14314444.93		A	0.5
6	☐	1.000		14111768.26		A	0.8
7	☐	1.000		14483505.89		A	0.3
8	☐	1.000		15022551.86		A	1.0
9	☐	1.000		14232357.01		A	0.6

159 Tb (ISTD) [He]

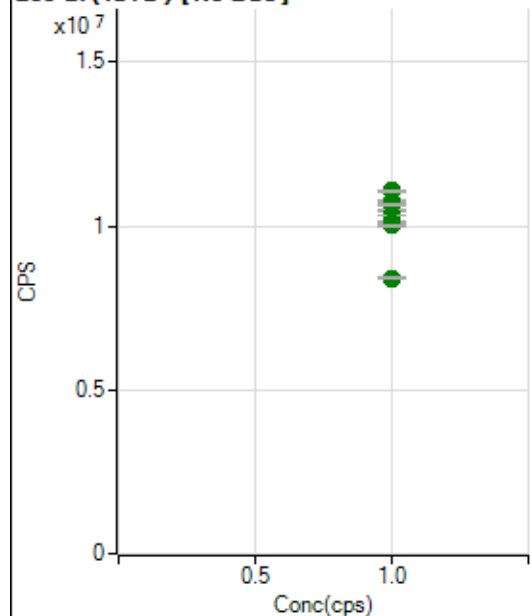
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7682529.95		A	0.2
2	☐	1.000		7134823.37		A	0.1
3	☐	1.000		7269438.78		A	0.6
4	☐	1.000		7085229.41		A	0.6
5	☐	1.000		6601858.58		A	2.0
6	☐	1.000		6665048.17		A	0.6
7	☐	1.000		6856673.30		A	0.2
8	☐	1.000		7086508.50		A	1.4
9	☐	1.000		6710639.41		A	0.2

165 Ho (ISTD) [No Gas]

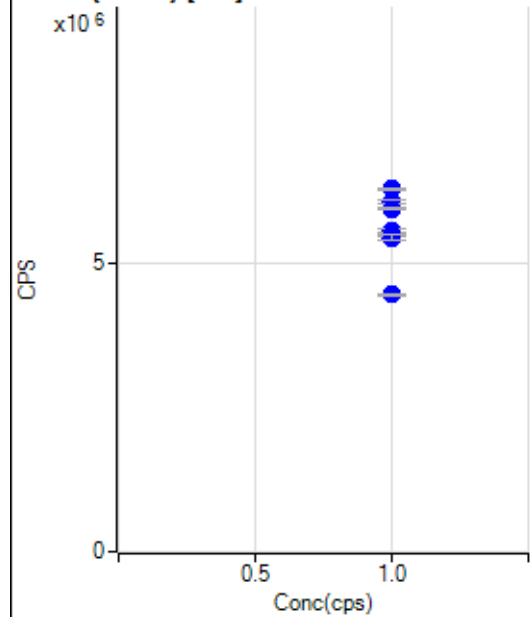
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		15130114.40		A	0.8
2	☐	1.000		14189540.42		A	1.4
3	☐	1.000		14519015.43		A	0.7
4	☐	1.000		14566414.73		A	0.2
5	☐	1.000		14104965.25		A	1.0
6	☐	1.000		14009872.54		A	0.7
7	☐	1.000		14424729.83		A	0.6
8	☐	1.000		14914119.43		A	1.1
9	☐	1.000		14088125.31		A	0.3

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7934821.76		A	0.5
2	☐	1.000		7337479.47		A	0.3
3	☐	1.000		7497540.09		A	0.7
4	☐	1.000		7362589.61		A	0.9
5	☐	1.000		6858808.16		A	1.7
6	☐	1.000		6953439.48		A	0.3
7	☐	1.000		7155352.11		A	0.1
8	☐	1.000		7357649.12		A	1.5
9	☐	1.000		6992173.23		A	0.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11072577.89		A	0.3
2	☐	1.000		10463470.96		A	0.7
3	☐	1.000		10762341.65		A	0.2
4	☐	1.000		10668662.48		A	0.4
5	☐	1.000		10304281.72		A	0.1
6	☐	1.000		10071037.49		A	0.6
7	☐	1.000		10115962.42		A	0.5
8	☐	1.000		10018627.42		A	0.6
9	☐	1.000		8409643.97		A	0.3

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6297598.38		P	0.7
2	☐	1.000		5957952.76		P	1.0
3	☐	1.000		6066689.84		P	0.9
4	☐	1.000		5944947.90		P	0.7
5	☐	1.000		5566151.72		P	1.5
6	☐	1.000		5495245.68		P	0.7
7	☐	1.000		5493945.61		P	0.4
8	☐	1.000		5451701.41		P	1.7
9	☐	1.000		4464843.96		P	0.5

US EPA Tune Check Sample Report

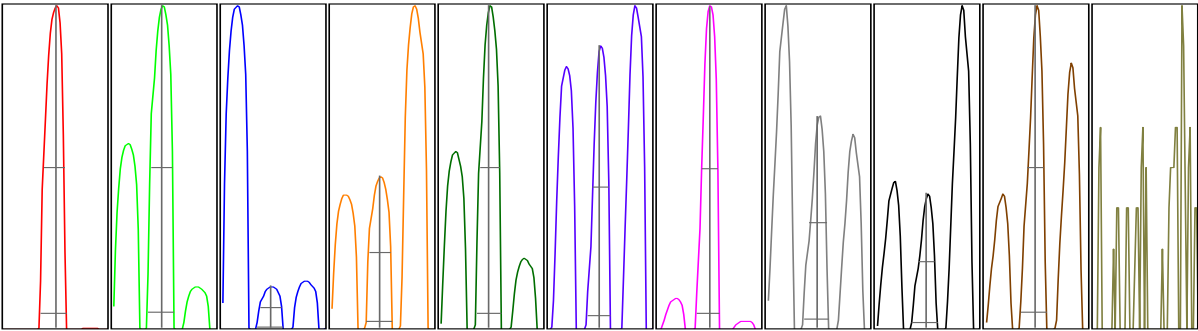
Batch Folder D:\ICP-MS Data\P7122118MS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	12877	2.01	5.00	
24	107814	2.22	5.00	
25	14226	2.17	5.00	
26	16138	2.39	5.00	
59	78056	2.19	5.00	
113	9725	2.95	5.00	
115	116459	3.13	5.00	
206	30115	2.43	5.00	
207	27476	2.27	5.00	
208	66181	2.27	5.00	
220	0	71.26		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	13148	12942	12937	12447	12910
24	110750	108539	108305	104163	107313
25	14585	14281	14360	13750	14153
26	16620	16097	16287	15557	16129
59	80169	78165	78490	75401	78053
113	10162	9706	9711	9356	9688
115	121679	117301	115848	111518	115951
206	31068	30084	30305	29019	30098
207	28217	27556	27725	26517	27367
208	68140	66168	66468	63915	66212
220	0	0	0	0	0

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	22679	9.05	8.9 - 9.1		0.773	0.900	
24	177784	23.95	23.9 - 24.1		0.781	0.900	
25	23599	24.95	24.9 - 25.1		0.780	0.900	
26	26751	25.95	25.9 - 26.1		0.744	0.900	
59	139673	58.95	58.9 - 59.1		0.738	0.900	
113	20311	113.00	112.9 - 113.1		0.680	0.900	
115	241383	115.05	114.9 - 115.1		0.674	0.900	
206	64008	206.00	205.9 - 206.1		0.732	0.900	
207	58664	207.00	206.9 - 207.1		0.737	0.900	
208	140670	208.00	207.9 - 208.1		0.758	0.900	
220	0	219.80	-		0.300		

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
RF Power	1600	W	Carrier Gas	0.80	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.37 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	6.4	V	Deflect	14.0	V
Extract 2	-90.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-50	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	17494	0.45	
89	21945	0.73	
205	26784	0.85	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	17511	17376	17462	17560	17563
89	21830	21885	21786	22159	22065
205	26956	26599	26519	27051	26795

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.80	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.37 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	7.0	V	Deflect	1.8	V
Extract 2	-110.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-60	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	4.1	mL/min	OctP RF	200	V			

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:25:46	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.04	0.08	-0.04	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.02	0.00	0.02	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.06	0.03	0.03	0.00	N/A	ppb
Boron	11-1	-0.01	0.05	-0.05	0.00	N/A	ppb
Cadmium	111-1	0.04	-0.02	-0.02	0.00	N/A	ppb
Cadmium	106-1	0.54	-0.27	-0.27	0.00	N/A	ppb
Cadmium	108-1	0.03	-0.01	-0.02	0.00	N/A	ppb
Calcium	43-1	0.07	0.05	-0.12	0.00	N/A	ppb
Calcium	44-1	-0.32	0.00	0.32	0.00	N/A	ppb
Chromium	52-2	0.00	0.00	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	0.00	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.01	0.04	-0.05	0.00	N/A	ppb
Iron	57-2	-0.07	0.39	-0.32	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	207-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.05	-0.09	0.04	0.00	N/A	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:25:46	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.01	0.00	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.01	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	0.00	0.02	-0.01	0.00	N/A	ppb
Phosphorus	31-2	-11.44	-22.20	-16.37	-16.67		ppb
Potassium	39-2	-0.72	1.16	-0.44	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.05	0.21	-0.16	0.00	N/A	ppb
Selenium	82-1	0.04	-0.17	0.13	0.00	N/A	ppb
Silicon	28-1	0.90	-0.66	-0.24	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	-0.02	0.44	-0.43	0.00	N/A	ppb
Strontium	86-1	0.00	0.01	-0.02	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	59.49	22.78	27.63	36.63	54.44	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
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
Thorium	232-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.01	0.00	-0.01	0.00	N/A	ppb
Titanium	47-1	0.00	0.00	0.00	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:25:46	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	0.05	-0.01	-0.04	0.00	N/A	ppb
Zirconium	90-1	0.00	-0.01	0.01	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:44:12	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.30	1.90	1.29	1.50	23.13	ppb
Antimony	121-1	0.21	0.20	0.21	0.21	1.51	ppb
Arsenic	75-2	0.04	0.10	0.07	0.07	43.72	ppb
Barium	135-1	1.06	1.04	1.03	1.04	1.33	ppb
Barium	137-1	0.93	0.99	1.02	0.98	4.71	ppb
Beryllium	9-1	0.09	0.13	0.10	0.11	17.64	ppb
Bismuth	209-1				94		%
Bismuth	209-2				95		%
Boron	10-1	3.65	3.40	3.35	3.46	4.60	ppb
Boron	11-1	3.48	3.38	3.58	3.48	2.91	ppb
Cadmium	111-1	0.06	0.04	-0.05	0.02	322.07	ppb
Cadmium	106-1	-0.69	-0.73	-1.67	-1.03		ppb
Cadmium	108-1	0.03	0.12	0.17	0.11	65.04	ppb
Calcium	43-1	50.53	43.28	45.31	46.37	8.07	ppb
Calcium	44-1	45.43	45.29	44.93	45.21	0.57	ppb
Chromium	52-2	0.19	0.24	0.22	0.22	11.86	ppb
Cobalt	59-2	0.09	0.10	0.11	0.10	12.04	ppb
Copper	63-2	0.18	0.20	0.18	0.19	6.57	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				94		%
Holmium	165-2				92		%
Indium	115-1				91		%
Indium	115-2				91		%
Iron	56-2	5.13	4.84	4.99	4.99	2.93	ppb
Iron	57-2	6.64	3.99	6.32	5.65	25.57	ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.07	0.06	0.07	11.94	ppb
Lead	207-1	0.07	0.08	0.08	0.08	10.23	ppb
Lead	208-1	0.07	0.07	0.07	0.07	3.34	ppb
Lithium	6-1				91		%
Magnesium	24-2	48.37	47.28	48.51	48.05	1.40	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:44:12	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.08	0.09	0.10	0.09	7.00	ppb
Molybdenum	94-1	0.47	0.44	0.44	0.45	4.00	ppb
Molybdenum	95-1	0.49	0.56	0.46	0.50	10.53	ppb
Molybdenum	96-1	0.50	0.52	0.47	0.50	5.44	ppb
Molybdenum	97-1	0.48	0.49	0.49	0.48	1.45	ppb
Molybdenum	98-1	0.51	0.50	0.45	0.49	7.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.15	0.11	0.12	0.13	14.84	ppb
Phosphorus	31-2	-9.19	-6.71	-14.67	-10.19		ppb
Potassium	39-2	44.21	42.84	45.22	44.09	2.72	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				91		%
Scandium	45-2				89		%
Selenium	77-2	0.72	0.71	0.35	0.59	35.28	ppb
Selenium	78-2	0.42	0.40	0.56	0.46	18.98	ppb
Selenium	82-1	0.32	0.56	0.86	0.58	46.21	ppb
Silicon	28-1	-2.63	-2.02	-2.21	-2.29		ppb
Silver	109-1	0.11	0.11	0.13	0.12	6.59	ppb
Silver	107-1	0.11	0.12	0.12	0.11	5.52	ppb
Sodium	23-2	43.21	42.20	42.18	42.53	1.38	ppb
Strontium	86-1	0.08	0.09	0.13	0.10	24.17	ppb
Strontium	88-1	0.09	0.09	0.09	0.09	3.22	ppb
Sulfur	34-1	-61.96	-39.02	-31.92	-44.30		ppb
Terbium	159-1				93		%
Terbium	159-2				93		%
Thallium	203-1	0.09	0.10	0.09	0.09	6.18	ppb
Thallium	205-1	0.08	0.08	0.09	0.08	6.90	ppb
Thorium	232-1	0.10	0.10	0.09	0.10	2.45	ppb
Tin	118-1	0.49	0.55	0.49	0.51	6.85	ppb
Titanium	47-1	0.41	0.53	0.47	0.47	13.44	ppb
Uranium	238-1	0.08	0.09	0.08	0.08	5.53	ppb
Vanadium	51-2	0.54	0.47	0.52	0.51	6.55	ppb
Yttrium	89-1				92		%
Yttrium	89-2				90		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:44:12	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	0.91	0.84	0.86	0.87	4.00	ppb
Zirconium	90-1	0.10	0.11	0.10	0.10	5.00	ppb
Zirconium	91-1	0.10	0.13	0.11	0.11	11.66	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:48:00	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.75	17.00	17.61	17.79	4.99	ppb
Antimony	121-1	1.98	1.98	2.01	1.99	0.80	ppb
Arsenic	75-2	0.92	0.91	1.04	0.96	7.31	ppb
Barium	135-1	9.82	9.95	9.85	9.87	0.70	ppb
Barium	137-1	9.69	9.70	9.94	9.78	1.42	ppb
Beryllium	9-1	0.97	0.96	1.02	0.98	3.18	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Boron	10-1	23.47	23.04	22.80	23.10	1.45	ppb
Boron	11-1	22.20	22.63	23.23	22.69	2.28	ppb
Cadmium	111-1	0.96	0.92	0.87	0.92	4.75	ppb
Cadmium	106-1	0.62	0.08	0.32	0.34	79.19	ppb
Cadmium	108-1	0.82	0.86	0.94	0.87	7.28	ppb
Calcium	43-1	447.48	446.59	451.35	448.48	0.56	ppb
Calcium	44-1	448.50	444.11	445.52	446.04	0.50	ppb
Chromium	52-2	1.97	1.92	1.96	1.95	1.37	ppb
Cobalt	59-2	0.97	0.99	1.03	1.00	2.99	ppb
Copper	63-2	2.13	2.08	2.07	2.09	1.59	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				96		%
Holmium	165-2				94		%
Indium	115-1				93		%
Indium	115-2				93		%
Iron	56-2	53.84	54.72	53.52	54.03	1.15	ppb
Iron	57-2	60.59	54.73	57.83	57.72	5.08	ppb
Krypton	83-1						cps
Lead	206-1	0.86	0.88	0.87	0.87	1.28	ppb
Lead	207-1	0.82	0.85	0.82	0.83	2.02	ppb
Lead	208-1	0.85	0.85	0.86	0.85	0.36	ppb
Lithium	6-1				93		%
Magnesium	24-2	484.76	496.07	487.01	489.28	1.22	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:48:00	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.04	0.98	1.02	1.01	2.86	ppb
Molybdenum	94-1	4.77	4.95	4.88	4.87	1.88	ppb
Molybdenum	95-1	4.89	4.78	4.72	4.80	1.75	ppb
Molybdenum	96-1	4.82	4.74	4.71	4.76	1.20	ppb
Molybdenum	97-1	4.84	4.68	4.94	4.82	2.67	ppb
Molybdenum	98-1	4.87	4.82	4.88	4.86	0.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.01	1.11	1.18	1.10	7.75	ppb
Phosphorus	31-2	23.44	24.52	32.63	26.86	18.71	ppb
Potassium	39-2	456.30	465.53	468.08	463.31	1.34	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				93		%
Scandium	45-2				91		%
Selenium	77-2	3.15	7.69	5.22	5.36	42.41	ppb
Selenium	78-2	5.35	5.79	6.16	5.77	6.99	ppb
Selenium	82-1	5.18	4.95	5.26	5.13	3.14	ppb
Silicon	28-1	6.27	6.57	6.63	6.49	2.98	ppb
Silver	109-1	1.11	1.10	1.13	1.11	1.23	ppb
Silver	107-1	1.15	1.07	1.14	1.12	3.87	ppb
Sodium	23-2	447.08	449.46	441.74	446.09	0.89	ppb
Strontium	86-1	0.90	0.92	0.92	0.91	1.32	ppb
Strontium	88-1	0.89	0.92	0.90	0.90	1.34	ppb
Sulfur	34-1	20.77	2.23	0.00	7.67	148.73	ppb
Terbium	159-1				95		%
Terbium	159-2				95		%
Thallium	203-1	0.87	0.85	0.89	0.87	1.97	ppb
Thallium	205-1	0.88	0.88	0.87	0.88	0.52	ppb
Thorium	232-1	0.83	0.82	0.80	0.81	1.59	ppb
Tin	118-1	5.14	5.02	5.05	5.07	1.22	ppb
Titanium	47-1	4.81	4.75	5.04	4.87	3.13	ppb
Uranium	238-1	0.83	0.84	0.81	0.83	1.87	ppb
Vanadium	51-2	4.89	5.03	4.96	4.96	1.45	ppb
Yttrium	89-1				94		%
Yttrium	89-2				92		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:48:00	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	2.54	2.41	2.70	2.55	5.76	ppb
Zirconium	90-1	0.91	0.89	0.92	0.91	2.12	ppb
Zirconium	91-1	0.81	0.92	0.95	0.89	8.29	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:51:48	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1034.65	1021.14	1025.24	1027.01	0.67	ppb
Antimony	121-1	54.84	55.62	55.61	55.35	0.80	ppb
Arsenic	75-2	54.02	52.96	54.11	53.70	1.19	ppb
Barium	135-1	265.55	268.29	265.80	266.55	0.57	ppb
Barium	137-1	264.58	267.03	264.74	265.45	0.52	ppb
Beryllium	9-1	55.18	54.45	54.50	54.71	0.74	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Boron	10-1	51.44	49.91	52.75	51.37	2.76	ppb
Boron	11-1	49.90	49.76	51.57	50.41	2.00	ppb
Cadmium	111-1	53.19	53.57	53.22	53.33	0.40	ppb
Cadmium	106-1	52.88	54.98	55.15	54.33	2.33	ppb
Cadmium	108-1	53.95	56.21	55.61	55.26	2.12	ppb
Calcium	43-1	4985.54	4975.52	4935.64	4965.56	0.53	ppb
Calcium	44-1	4921.82	4961.89	5011.59	4965.10	0.91	ppb
Chromium	52-2	52.93	53.26	52.36	52.85	0.86	ppb
Cobalt	59-2	54.36	54.59	54.12	54.36	0.44	ppb
Copper	63-2	112.90	113.38	113.30	113.19	0.22	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				96		%
Holmium	165-2				93		%
Indium	115-1				92		%
Indium	115-2				90		%
Iron	56-2	2795.86	2806.32	2780.34	2794.17	0.47	ppb
Iron	57-2	2782.95	2822.03	2801.25	2802.08	0.70	ppb
Krypton	83-1						cps
Lead	206-1	48.96	49.32	49.65	49.31	0.70	ppb
Lead	207-1	49.09	49.16	49.43	49.23	0.37	ppb
Lead	208-1	49.07	49.26	49.71	49.35	0.66	ppb
Lithium	6-1				93		%
Magnesium	24-2	5518.89	5523.27	5520.99	5521.05	0.04	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:51:48	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	105.99	106.41	105.20	105.87	0.58	ppb
Molybdenum	94-1	254.91	256.39	259.00	256.77	0.80	ppb
Molybdenum	95-1	255.67	256.58	258.64	256.96	0.59	ppb
Molybdenum	96-1	253.66	253.96	255.89	254.50	0.48	ppb
Molybdenum	97-1	255.77	255.62	258.81	256.73	0.70	ppb
Molybdenum	98-1	255.06	256.53	258.33	256.64	0.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	56.54	56.51	56.92	56.65	0.40	ppb
Phosphorus	31-2	1023.66	1066.40	1046.96	1045.67	2.05	ppb
Potassium	39-2	2540.15	2560.96	2534.17	2545.09	0.55	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				91		%
Scandium	45-2				86		%
Selenium	77-2	56.25	53.97	53.74	54.65	2.54	ppb
Selenium	78-2	53.15	54.01	55.43	54.19	2.12	ppb
Selenium	82-1	54.42	53.96	55.54	54.64	1.48	ppb
Silicon	28-1	55.83	57.05	58.63	57.17	2.45	ppb
Silver	109-1	56.98	57.23	57.41	57.21	0.38	ppb
Silver	107-1	56.67	56.85	57.12	56.88	0.40	ppb
Sodium	23-2	5000.65	4996.38	4954.52	4983.85	0.51	ppb
Strontium	86-1	51.46	50.91	51.95	51.44	1.01	ppb
Strontium	88-1	51.39	50.76	51.87	51.34	1.08	ppb
Sulfur	34-1	1043.07	1024.56	1081.23	1049.62	2.75	ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	48.75	48.79	49.05	48.87	0.34	ppb
Thallium	205-1	49.45	49.40	49.44	49.43	0.05	ppb
Thorium	232-1	46.45	46.25	47.10	46.60	0.95	ppb
Tin	118-1	53.88	55.09	53.77	54.25	1.35	ppb
Titanium	47-1	254.77	255.50	257.12	255.80	0.47	ppb
Uranium	238-1	46.91	47.20	47.44	47.19	0.56	ppb
Vanadium	51-2	51.95	52.02	51.60	51.85	0.44	ppb
Yttrium	89-1				92		%
Yttrium	89-2				89		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:51:48	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	101.61	102.06	101.79	101.82	0.22	ppb
Zirconium	90-1	50.77	51.40	51.31	51.16	0.67	ppb
Zirconium	91-1	50.29	50.96	51.72	50.99	1.40	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:55:36	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2603.78	2570.66	2628.61	2601.02	1.12	ppb
Antimony	121-1	136.12	136.52	135.59	136.08	0.34	ppb
Arsenic	75-2	129.83	131.52	133.97	131.77	1.58	ppb
Barium	135-1	663.92	668.68	664.22	665.61	0.40	ppb
Barium	137-1	663.96	660.91	657.61	660.83	0.48	ppb
Beryllium	9-1	136.21	135.76	135.67	135.88	0.21	ppb
Bismuth	209-1				93		%
Bismuth	209-2				88		%
Boron	10-1	126.50	128.32	129.60	128.14	1.22	ppb
Boron	11-1	125.10	127.48	127.82	126.80	1.17	ppb
Cadmium	111-1	130.02	131.04	129.59	130.22	0.57	ppb
Cadmium	106-1	133.83	131.93	125.25	130.33	3.46	ppb
Cadmium	108-1	128.65	129.48	129.94	129.36	0.50	ppb
Calcium	43-1	12591.97	12711.57	12699.82	12667.79	0.52	ppb
Calcium	44-1	12494.63	12411.64	12531.67	12479.31	0.49	ppb
Chromium	52-2	132.82	132.50	135.13	133.48	1.07	ppb
Cobalt	59-2	135.61	134.88	138.29	136.26	1.32	ppb
Copper	63-2	281.40	278.96	286.45	282.27	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				93		%
Holmium	165-2				86		%
Indium	115-1				86		%
Indium	115-2				80		%
Iron	56-2	7073.35	7006.90	7170.84	7083.70	1.16	ppb
Iron	57-2	7121.60	7022.74	7235.33	7126.56	1.49	ppb
Krypton	83-1						cps
Lead	206-1	125.80	126.60	126.08	126.16	0.32	ppb
Lead	207-1	125.85	126.62	126.30	126.26	0.31	ppb
Lead	208-1	126.46	126.96	126.11	126.51	0.34	ppb
Lithium	6-1				85		%
Magnesium	24-2	14062.11	13975.86	14384.49	14140.82	1.52	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:55:36	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	267.65	266.54	274.70	269.63	1.64	ppb
Molybdenum	94-1	645.37	651.18	648.21	648.25	0.45	ppb
Molybdenum	95-1	647.25	652.54	648.91	649.57	0.42	ppb
Molybdenum	96-1	643.03	649.30	646.98	646.43	0.49	ppb
Molybdenum	97-1	642.80	651.36	645.33	646.50	0.68	ppb
Molybdenum	98-1	639.08	656.19	652.96	649.41	1.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	139.20	139.48	141.04	139.90	0.71	ppb
Phosphorus	31-2	2805.58	2505.40	2788.81	2699.93	6.25	ppb
Potassium	39-2	6416.28	6386.73	6525.68	6442.90	1.14	ppb
Rhodium	103-1				82		%
Rhodium	103-2				79		%
Scandium	45-1				82		%
Scandium	45-2				75		%
Selenium	77-2	144.27	151.88	147.66	147.94	2.58	ppb
Selenium	78-2	132.66	132.66	141.98	135.76	3.96	ppb
Selenium	82-1	136.70	136.93	138.88	137.51	0.87	ppb
Silicon	28-1	141.23	144.75	141.87	142.62	1.31	ppb
Silver	109-1	139.49	137.58	135.77	137.61	1.35	ppb
Silver	107-1	137.62	136.09	136.30	136.67	0.60	ppb
Sodium	23-2	12739.95	12686.29	12981.32	12802.52	1.23	ppb
Strontium	86-1	129.00	131.06	129.66	129.91	0.81	ppb
Strontium	88-1	130.32	130.93	130.63	130.63	0.23	ppb
Sulfur	34-1	2574.61	2542.06	2538.31	2551.66	0.78	ppb
Terbium	159-1				92		%
Terbium	159-2				86		%
Thallium	203-1	125.41	125.12	124.81	125.11	0.24	ppb
Thallium	205-1	126.40	126.72	125.98	126.37	0.29	ppb
Thorium	232-1	119.92	119.46	118.79	119.39	0.48	ppb
Tin	118-1	134.56	134.56	133.90	134.34	0.28	ppb
Titanium	47-1	649.70	651.51	647.37	649.53	0.32	ppb
Uranium	238-1	120.95	120.82	121.21	121.00	0.17	ppb
Vanadium	51-2	130.58	128.77	131.92	130.42	1.21	ppb
Yttrium	89-1				86		%
Yttrium	89-2				79		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:55:36	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	258.34	254.65	261.48	258.16	1.33	ppb
Zirconium	90-1	129.09	129.35	129.43	129.29	0.14	ppb
Zirconium	91-1	128.04	128.18	127.50	127.91	0.28	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:59:24	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5145.02	5157.85	5033.20	5112.02	1.34	ppb
Antimony	121-1	269.07	266.89	268.15	268.04	0.41	ppb
Arsenic	75-2	260.66	259.90	260.50	260.35	0.15	ppb
Barium	135-1	1320.25	1308.70	1304.77	1311.24	0.61	ppb
Barium	137-1	1296.41	1272.43	1273.92	1280.92	1.05	ppb
Beryllium	9-1	267.75	267.44	264.86	266.68	0.60	ppb
Bismuth	209-1				91		%
Bismuth	209-2				87		%
Boron	10-1	248.56	256.63	259.85	255.01	2.28	ppb
Boron	11-1	247.62	254.28	257.99	253.30	2.07	ppb
Cadmium	111-1	252.28	249.31	252.32	251.30	0.69	ppb
Cadmium	106-1	253.58	251.35	253.03	252.65	0.46	ppb
Cadmium	108-1	256.83	251.47	251.44	253.24	1.23	ppb
Calcium	43-1	25599.97	25351.80	25456.08	25469.28	0.49	ppb
Calcium	44-1	25331.24	24784.73	24825.94	24980.64	1.22	ppb
Chromium	52-2	262.98	260.40	260.83	261.40	0.53	ppb
Cobalt	59-2	266.75	265.67	264.08	265.50	0.51	ppb
Copper	63-2	548.58	547.24	543.17	546.33	0.52	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				93		%
Holmium	165-2				88		%
Indium	115-1				83		%
Indium	115-2				80		%
Iron	56-2	13996.52	13850.55	13756.65	13867.90	0.87	ppb
Iron	57-2	14080.52	13929.26	13756.12	13921.97	1.17	ppb
Krypton	83-1						cps
Lead	206-1	255.17	256.13	252.99	254.77	0.63	ppb
Lead	207-1	254.49	256.03	253.85	254.79	0.44	ppb
Lead	208-1	256.47	258.00	255.56	256.67	0.48	ppb
Lithium	6-1				81		%
Magnesium	24-2	27847.05	27597.20	27366.10	27603.45	0.87	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:59:24	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	528.80	529.15	524.70	527.55	0.47	ppb
Molybdenum	94-1	1302.46	1297.12	1306.86	1302.15	0.37	ppb
Molybdenum	95-1	1277.59	1270.91	1275.94	1274.81	0.27	ppb
Molybdenum	96-1	1279.08	1269.62	1271.79	1273.50	0.39	ppb
Molybdenum	97-1	1302.39	1295.59	1302.97	1300.32	0.32	ppb
Molybdenum	98-1	1280.57	1274.54	1278.59	1277.90	0.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	274.28	270.61	268.20	271.03	1.13	ppb
Phosphorus	31-2	5386.90	5193.59	5180.21	5253.57	2.20	ppb
Potassium	39-2	12661.86	12622.91	12554.30	12613.03	0.43	ppb
Rhodium	103-1				77		%
Rhodium	103-2				78		%
Scandium	45-1				78		%
Scandium	45-2				76		%
Selenium	77-2	286.89	267.56	268.49	274.32	3.97	ppb
Selenium	78-2	263.45	264.88	268.60	265.64	1.00	ppb
Selenium	82-1	275.49	274.68	273.45	274.54	0.37	ppb
Silicon	28-1	282.31	277.20	280.46	279.99	0.92	ppb
Silver	109-1	266.06	262.24	262.34	263.54	0.83	ppb
Silver	107-1	263.41	261.15	262.40	262.32	0.43	ppb
Sodium	23-2	25526.34	25236.37	25141.11	25301.27	0.79	ppb
Strontium	86-1	260.68	259.11	260.76	260.18	0.36	ppb
Strontium	88-1	257.87	256.11	257.35	257.11	0.35	ppb
Sulfur	34-1	5276.96	5149.59	5114.32	5180.29	1.65	ppb
Terbium	159-1				91		%
Terbium	159-2				87		%
Thallium	203-1	258.11	258.46	253.08	256.55	1.17	ppb
Thallium	205-1	250.35	250.61	246.18	249.05	1.00	ppb
Thorium	232-1	247.01	246.84	245.44	246.43	0.35	ppb
Tin	118-1	266.35	263.77	265.23	265.12	0.49	ppb
Titanium	47-1	1306.86	1298.52	1290.49	1298.62	0.63	ppb
Uranium	238-1	249.04	248.83	246.00	247.96	0.68	ppb
Vanadium	51-2	257.52	257.17	255.26	256.65	0.47	ppb
Yttrium	89-1				82		%
Yttrium	89-2				79		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:59:24	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	499.42	495.13	491.89	495.48	0.76	ppb
Zirconium	90-1	260.15	258.72	259.64	259.50	0.28	ppb
Zirconium	91-1	258.15	256.41	259.15	257.90	0.54	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:03:11	DataFile Name :	012CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9823.49	9796.31	9792.71	9804.17	0.17	ppb
Antimony	121-1	506.98	518.00	519.06	514.68	1.30	ppb
Arsenic	75-2	504.33	510.06	510.84	508.41	0.70	ppb
Barium	135-1	2483.10	2502.62	2497.73	2494.49	0.41	ppb
Barium	137-1	2508.85	2494.95	2500.84	2501.55	0.28	ppb
Beryllium	9-1	510.24	511.12	510.18	510.51	0.10	ppb
Bismuth	209-1				91		%
Bismuth	209-2				87		%
Boron	10-1	490.47	502.79	513.73	502.33	2.32	ppb
Boron	11-1	482.62	499.64	510.14	497.47	2.79	ppb
Cadmium	111-1	516.88	520.02	518.03	518.31	0.31	ppb
Cadmium	106-1	513.91	521.96	522.38	519.41	0.92	ppb
Cadmium	108-1	515.84	521.03	526.08	520.98	0.98	ppb
Calcium	43-1	48954.45	48879.12	49309.17	49047.58	0.47	ppb
Calcium	44-1	48475.59	48496.65	48606.87	48526.37	0.15	ppb
Chromium	52-2	504.23	501.79	507.41	504.47	0.56	ppb
Cobalt	59-2	508.10	507.38	508.69	508.06	0.13	ppb
Copper	63-2	1032.91	1030.08	1037.74	1033.58	0.37	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				95		%
Holmium	165-2				90		%
Indium	115-1				83		%
Indium	115-2				82		%
Iron	56-2	26673.43	26463.97	26623.66	26587.02	0.41	ppb
Iron	57-2	26855.03	26653.09	26820.68	26776.27	0.40	ppb
Krypton	83-1						cps
Lead	206-1	493.35	499.00	501.70	498.01	0.86	ppb
Lead	207-1	496.70	500.25	501.24	499.40	0.48	ppb
Lead	208-1	496.93	498.12	497.54	497.53	0.12	ppb
Lithium	6-1				83		%
Magnesium	24-2	53356.97	52677.75	52656.50	52897.07	0.75	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:03:11	DataFile Name :	012CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1015.85	1016.29	1016.35	1016.16	0.03	ppb
Molybdenum	94-1	2511.65	2508.95	2491.61	2504.07	0.43	ppb
Molybdenum	95-1	2516.16	2509.61	2495.73	2507.17	0.42	ppb
Molybdenum	96-1	2519.05	2501.88	2477.92	2499.62	0.83	ppb
Molybdenum	97-1	2519.56	2504.05	2480.19	2501.27	0.79	ppb
Molybdenum	98-1	2506.66	2523.46	2500.61	2510.24	0.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	515.70	516.81	516.87	516.46	0.13	ppb
Phosphorus	31-2	10022.94	10163.42	10178.67	10121.68	0.85	ppb
Potassium	39-2	24461.40	24160.58	24179.29	24267.09	0.69	ppb
Rhodium	103-1				78		%
Rhodium	103-2				79		%
Scandium	45-1				81		%
Scandium	45-2				80		%
Selenium	77-2	516.11	524.09	516.55	518.92	0.86	ppb
Selenium	78-2	518.79	510.53	531.53	520.28	2.03	ppb
Selenium	82-1	517.10	521.73	519.48	519.44	0.45	ppb
Silicon	28-1	536.60	539.31	546.56	540.83	0.95	ppb
Silver	109-1	506.95	510.24	508.54	508.58	0.32	ppb
Silver	107-1	506.38	514.91	510.02	510.44	0.84	ppb
Sodium	23-2	49018.28	48602.93	48697.63	48772.95	0.45	ppb
Strontium	86-1	503.13	510.68	506.74	506.85	0.74	ppb
Strontium	88-1	504.05	506.74	504.41	505.07	0.29	ppb
Sulfur	34-1	10031.03	10037.45	10115.89	10061.46	0.47	ppb
Terbium	159-1				93		%
Terbium	159-2				89		%
Thallium	203-1	490.71	496.55	491.64	492.97	0.64	ppb
Thallium	205-1	496.73	494.94	494.11	495.26	0.27	ppb
Thorium	232-1	489.34	495.53	491.47	492.11	0.64	ppb
Tin	118-1	504.70	509.31	510.60	508.20	0.61	ppb
Titanium	47-1	2507.49	2515.08	2538.00	2520.19	0.63	ppb
Uranium	238-1	495.43	494.91	488.13	492.83	0.83	ppb
Vanadium	51-2	500.06	501.71	503.52	501.76	0.35	ppb
Yttrium	89-1				84		%
Yttrium	89-2				82		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:03:11	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	997.30	992.58	1003.66	997.85	0.56	ppb
Zirconium	90-1	500.45	499.61	501.21	500.42	0.16	ppb
Zirconium	91-1	500.33	503.28	505.67	503.10	0.53	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:11:09	DataFile Name :	014CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19442.32	19160.12	19296.27	19299.57	0.73	ppb
Antimony	121-1	987.62	991.35	980.52	986.50	0.56	ppb
Arsenic	75-2	1011.49	968.91	996.13	992.18	2.17	ppb
Barium	135-1	4981.94	5009.01	4953.68	4981.54	0.56	ppb
Barium	137-1	4977.59	5004.92	4976.23	4986.25	0.32	ppb
Beryllium	9-1	992.47	995.74	978.72	988.98	0.91	ppb
Bismuth	209-1				90		%
Bismuth	209-2				87		%
Boron	10-1	979.41	1003.27	1008.82	997.17	1.57	ppb
Boron	11-1	987.35	1000.72	1012.69	1000.25	1.27	ppb
Cadmium	111-1	990.34	988.54	990.23	989.70	0.10	ppb
Cadmium	106-1	993.74	995.35	977.15	988.75	1.02	ppb
Cadmium	108-1	988.96	984.61	990.10	987.89	0.29	ppb
Calcium	43-1	97512.21	97935.10	96981.69	97476.33	0.49	ppb
Calcium	44-1	96807.38	96810.38	95410.33	96342.69	0.84	ppb
Chromium	52-2	1007.72	975.77	997.63	993.71	1.64	ppb
Cobalt	59-2	1003.69	973.58	994.15	990.47	1.55	ppb
Copper	63-2	2001.22	1930.01	1969.56	1966.93	1.81	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				99		%
Holmium	165-2				93		%
Indium	115-1				85		%
Indium	115-2				83		%
Iron	56-2	52785.88	51079.18	51913.13	51926.07	1.64	ppb
Iron	57-2	52417.59	51280.49	51973.02	51890.37	1.10	ppb
Krypton	83-1						cps
Lead	206-1	1001.70	1002.09	995.29	999.69	0.38	ppb
Lead	207-1	998.96	1000.27	997.73	998.99	0.13	ppb
Lead	208-1	1000.11	1000.35	997.77	999.41	0.14	ppb
Lithium	6-1				86		%
Magnesium	24-2	104627.38	102206.49	103762.75	103532.21	1.18	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:11:09	DataFile Name :	014CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2003.37	1956.68	1986.80	1982.29	1.19	ppb
Molybdenum	94-1	4980.05	5018.01	4946.99	4981.68	0.71	ppb
Molybdenum	95-1	4990.31	5024.35	4945.72	4986.79	0.79	ppb
Molybdenum	96-1	4976.13	5044.64	4953.47	4991.41	0.95	ppb
Molybdenum	97-1	5003.74	5020.43	4927.13	4983.76	1.00	ppb
Molybdenum	98-1	5000.14	5046.62	4906.79	4984.52	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	995.38	971.83	985.73	984.32	1.20	ppb
Phosphorus	31-2	19870.76	19634.12	20040.61	19848.50	1.03	ppb
Potassium	39-2	48421.97	47615.25	47948.68	47995.30	0.84	ppb
Rhodium	103-1				80		%
Rhodium	103-2				81		%
Scandium	45-1				85		%
Scandium	45-2				85		%
Selenium	77-2	997.52	955.92	990.64	981.36	2.27	ppb
Selenium	78-2	994.80	973.34	985.02	984.39	1.09	ppb
Selenium	82-1	980.07	989.40	977.58	982.35	0.63	ppb
Silicon	28-1	972.43	970.09	966.18	969.57	0.33	ppb
Silver	109-1	1001.60	988.37	981.20	990.39	1.04	ppb
Silver	107-1	999.90	988.49	981.30	989.90	0.95	ppb
Sodium	23-2	97599.85	95062.59	96584.36	96415.60	1.32	ppb
Strontium	86-1	992.70	1004.30	983.03	993.34	1.07	ppb
Strontium	88-1	998.39	1000.42	985.95	994.92	0.79	ppb
Sulfur	34-1	20043.04	19998.72	19704.03	19915.26	0.93	ppb
Terbium	159-1				97		%
Terbium	159-2				92		%
Thallium	203-1	1003.09	1004.63	998.05	1001.92	0.34	ppb
Thallium	205-1	1003.58	1001.84	1001.98	1002.47	0.10	ppb
Thorium	232-1	1010.74	1010.78	995.59	1005.71	0.87	ppb
Tin	118-1	993.13	991.10	987.99	990.74	0.26	ppb
Titanium	47-1	5003.08	4993.46	4926.64	4974.39	0.84	ppb
Uranium	238-1	1007.51	1005.79	1000.91	1004.74	0.34	ppb
Vanadium	51-2	1008.98	981.73	999.35	996.69	1.39	ppb
Yttrium	89-1				89		%
Yttrium	89-2				87		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:11:09	DataFile Name :	014CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	2025.41	1965.17	2012.70	2001.10	1.59	ppb
Zirconium	90-1	1000.02	1001.66	988.77	996.82	0.70	ppb
Zirconium	91-1	993.55	1000.61	994.04	996.06	0.40	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:14:53	DataFile Name :	015CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99417.73	100411.37	100624.72	100151.27	0.64	ppb
Antimony	121-1	1.09	1.06	1.06	1.07	1.32	ppb
Arsenic	75-2	1.34	1.07	1.24	1.22	11.25	ppb
Barium	135-1	0.79	0.77	0.79	0.79	1.25	ppb
Barium	137-1	0.83	0.81	0.77	0.80	4.09	ppb
Beryllium	9-1	0.12	0.12	0.10	0.11	10.41	ppb
Bismuth	209-1				76		%
Bismuth	209-2				71		%
Boron	10-1	43.40	39.37	35.05	39.27	10.63	ppb
Boron	11-1	43.69	38.42	35.66	39.25	10.39	ppb
Cadmium	111-1	-0.12	-0.06	-0.09	-0.09		ppb
Cadmium	106-1	-2.59	-2.05	-2.22	-2.29		ppb
Cadmium	108-1	0.25	0.29	0.31	0.28	12.38	ppb
Calcium	43-1	503488.37	497337.36	500892.41	500572.71	0.62	ppb
Calcium	44-1	501958.16	496724.12	503959.86	500880.71	0.75	ppb
Chromium	52-2	14.54	14.67	14.73	14.64	0.65	ppb
Cobalt	59-2	11.41	11.46	11.48	11.45	0.31	ppb
Copper	63-2	2.56	2.49	2.59	2.54	2.05	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				93		%
Holmium	165-2				88		%
Indium	115-1				81		%
Indium	115-2				80		%
Iron	56-2	248212.58	249986.58	249892.56	249363.90	0.40	ppb
Iron	57-2	249089.04	249960.67	248995.09	249348.27	0.21	ppb
Krypton	83-1						cps
Lead	206-1	1.17	1.20	1.14	1.17	2.56	ppb
Lead	207-1	1.11	1.05	1.06	1.07	2.80	ppb
Lead	208-1	1.14	1.14	1.12	1.13	0.90	ppb
Lithium	6-1				85		%
Magnesium	24-2	495146.09	501533.17	499803.12	498827.46	0.66	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:14:53	DataFile Name :	015CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	10.89	11.43	11.14	11.15	2.43	ppb
Molybdenum	94-1	3.76	3.74	3.61	3.70	2.18	ppb
Molybdenum	95-1	4.67	4.59	4.46	4.57	2.22	ppb
Molybdenum	96-1	6.21	5.90	6.09	6.07	2.57	ppb
Molybdenum	97-1	4.38	4.28	4.22	4.29	1.80	ppb
Molybdenum	98-1	4.27	4.01	3.97	4.08	3.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	17.55	17.93	17.40	17.63	1.54	ppb
Phosphorus	31-2	-13.27	-2.51	-6.74	-7.50		ppb
Potassium	39-2	248403.65	251554.68	251431.81	250463.38	0.71	ppb
Rhodium	103-1				71		%
Rhodium	103-2				72		%
Scandium	45-1				84		%
Scandium	45-2				89		%
Selenium	77-2	0.38	0.00	0.38	0.25	86.60	ppb
Selenium	78-2	0.63	0.68	0.18	0.50	54.57	ppb
Selenium	82-1	0.75	0.09	0.15	0.33	112.31	ppb
Silicon	28-1	19.12	17.76	17.91	18.26	4.09	ppb
Silver	109-1	0.07	0.05	0.06	0.06	13.44	ppb
Silver	107-1	0.06	0.05	0.05	0.05	10.28	ppb
Sodium	23-2	498700.30	501310.41	502440.81	500817.17	0.38	ppb
Strontium	86-1	4.64	4.69	4.73	4.68	0.97	ppb
Strontium	88-1	4.48	4.55	4.57	4.53	1.07	ppb
Sulfur	34-1	-296.10	-290.37	-216.64	-267.70		ppb
Terbium	159-1				92		%
Terbium	159-2				87		%
Thallium	203-1	0.18	0.20	0.20	0.19	4.76	ppb
Thallium	205-1	0.20	0.21	0.20	0.20	2.22	ppb
Thorium	232-1	0.14	0.13	0.12	0.13	5.84	ppb
Tin	118-1	0.90	0.89	0.87	0.89	1.97	ppb
Titanium	47-1	2.61	2.55	2.70	2.62	2.86	ppb
Uranium	238-1	0.07	0.06	0.06	0.06	6.30	ppb
Vanadium	51-2	0.19	0.15	0.15	0.16	11.90	ppb
Yttrium	89-1				85		%
Yttrium	89-2				85		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:14:53	DataFile Name :	015CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	12.25	12.22	12.55	12.34	1.47	ppb
Zirconium	90-1	0.42	0.40	0.40	0.41	2.88	ppb
Zirconium	91-1	0.38	0.41	0.39	0.40	4.25	ppb

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : ICV Instrumnet Name : P7
 Client Sample ID : ICV Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:21:59 DataFile Name : 016ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	485.11	473.82	473.81	477.58	1.37	ppb
Antimony	121-1	203.46	206.13	206.08	205.23	0.75	ppb
Arsenic	75-2	204.88	204.64	205.28	204.93	0.16	ppb
Barium	135-1	100.29	100.52	101.62	100.81	0.71	ppb
Barium	137-1	98.32	101.01	101.32	100.22	1.64	ppb
Beryllium	9-1	100.02	100.77	100.48	100.42	0.38	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Boron	10-1	10.56	10.24	10.43	10.41	1.51	ppb
Boron	11-1	10.55	10.11	10.14	10.26	2.40	ppb
Cadmium	111-1	99.02	100.10	99.78	99.63	0.56	ppb
Cadmium	106-1	82.10	84.40	82.19	82.89	1.57	ppb
Cadmium	108-1	105.96	106.84	106.22	106.34	0.42	ppb
Calcium	43-1	1891.29	1889.61	1885.93	1888.94	0.15	ppb
Calcium	44-1	1879.80	1873.50	1879.41	1877.57	0.19	ppb
Chromium	52-2	96.34	96.03	97.89	96.75	1.03	ppb
Cobalt	59-2	101.28	101.26	101.15	101.23	0.07	ppb
Copper	63-2	105.95	106.10	106.26	106.10	0.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	1043.71	1043.26	1052.42	1046.46	0.49	ppb
Iron	57-2	1056.29	1059.89	1087.63	1067.93	1.61	ppb
Krypton	83-1						cps
Lead	206-1	188.03	187.36	188.38	187.93	0.28	ppb
Lead	207-1	180.10	181.13	180.44	180.56	0.29	ppb
Lead	208-1	185.18	184.94	185.15	185.09	0.07	ppb
Lithium	6-1				103		%
Magnesium	24-2	1198.38	1215.23	1206.56	1206.72	0.70	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P7
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:21:59	DataFile Name :	016ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	95.63	95.96	96.40	96.00	0.40	ppb
Molybdenum	94-1	1670.61	1684.53	1669.61	1674.92	0.50	ppb
Molybdenum	95-1	2422.91	2425.50	2439.48	2429.30	0.37	ppb
Molybdenum	96-1	2328.84	2322.40	2332.57	2327.93	0.22	ppb
Molybdenum	97-1	2406.00	2417.33	2414.85	2412.73	0.25	ppb
Molybdenum	98-1	2413.23	2419.12	2435.50	2422.62	0.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.11	104.87	106.01	105.00	0.91	ppb
Phosphorus	31-2	-13.96	-11.59	-11.53	-12.36		ppb
Potassium	39-2	1913.04	1923.69	1924.35	1920.36	0.33	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	77-2	193.28	203.60	216.40	204.43	5.67	ppb
Selenium	78-2	209.42	209.63	213.21	210.76	1.01	ppb
Selenium	82-1	211.20	212.36	210.40	211.32	0.47	ppb
Silicon	28-1	-0.48	-0.42	-0.12	-0.34		ppb
Silver	109-1	106.64	108.40	108.05	107.69	0.86	ppb
Silver	107-1	107.04	108.41	108.31	107.92	0.71	ppb
Sodium	23-2	1894.32	1908.06	1898.03	1900.14	0.37	ppb
Strontium	86-1	2.29	2.30	2.23	2.28	1.62	ppb
Strontium	88-1	2.24	2.23	2.27	2.24	1.12	ppb
Sulfur	34-1	-340.29	-336.42	-412.81	-363.17		ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	188.75	190.46	190.60	189.93	0.54	ppb
Thallium	205-1	189.25	190.60	189.22	189.69	0.41	ppb
Thorium	232-1	0.02	0.02	0.02	0.02	11.54	ppb
Tin	118-1	0.06	0.06	0.06	0.06	3.42	ppb
Titanium	47-1	0.15	0.15	0.12	0.14	13.36	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	6.25	ppb
Vanadium	51-2	96.29	95.15	96.30	95.91	0.69	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P7
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:21:59	DataFile Name :	016ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	187.91	188.79	190.17	188.96	0.60	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	30.23	ppb
Zirconium	91-1	0.09	0.08	0.10	0.09	10.41	ppb

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P7
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:29:24 DataFile Name : 018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.28	-0.11	-0.11	-0.17		ppb
Antimony	121-1	0.05	0.03	0.04	0.04	23.34	ppb
Arsenic	75-2	0.00	0.03	0.01	0.01	104.40	ppb
Barium	135-1	0.01	0.01	0.03	0.02	63.84	ppb
Barium	137-1	0.02	0.03	0.02	0.02	25.08	ppb
Beryllium	9-1	0.03	0.02	0.03	0.03	12.60	ppb
Bismuth	209-1				105		%
Bismuth	209-2				103		%
Boron	10-1	7.46	7.06	7.07	7.20	3.16	ppb
Boron	11-1	7.34	6.96	7.01	7.10	2.89	ppb
Cadmium	111-1	-0.11	-0.09	-0.03	-0.08		ppb
Cadmium	106-1	-1.52	-1.26	-0.62	-1.13		ppb
Cadmium	108-1	0.05	-0.02	0.01	0.01	299.28	ppb
Calcium	43-1	-0.93	-0.43	0.43	-0.31		ppb
Calcium	44-1	-0.15	-0.15	-0.63	-0.31		ppb
Chromium	52-2	0.01	0.02	0.02	0.02	27.48	ppb
Cobalt	59-2	0.01	0.01	0.00	0.01	33.72	ppb
Copper	63-2	0.01	0.00	0.00	0.00	86.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	0.06	0.04	0.10	0.07	47.41	ppb
Iron	57-2	-0.64	-0.35	-0.19	-0.39		ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.02	0.01	0.01	36.69	ppb
Lead	207-1	0.01	0.01	0.01	0.01	23.17	ppb
Lead	208-1	0.01	0.01	0.01	0.01	9.55	ppb
Lithium	6-1				105		%
Magnesium	24-2	1.00	0.57	1.06	0.88	30.16	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P7
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:29:24	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.01	0.00	-0.01	-0.01		ppb
Molybdenum	94-1	0.09	0.06	0.08	0.08	15.63	ppb
Molybdenum	95-1	0.11	0.14	0.15	0.13	14.33	ppb
Molybdenum	96-1	0.12	0.11	0.10	0.11	8.00	ppb
Molybdenum	97-1	0.13	0.12	0.11	0.12	9.12	ppb
Molybdenum	98-1	0.14	0.12	0.12	0.13	5.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.01	0.01	0.00		ppb
Phosphorus	31-2	-20.06	-18.98	-15.38	-18.14		ppb
Potassium	39-2	-0.11	-2.23	-0.52	-0.95		ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.49	0.07	0.34	0.30	70.05	ppb
Selenium	82-1	-0.16	-0.24	0.03	-0.12		ppb
Silicon	28-1	-3.13	-3.15	-3.08	-3.12		ppb
Silver	109-1	0.01	0.01	0.02	0.01	38.20	ppb
Silver	107-1	0.01	0.01	0.01	0.01	13.90	ppb
Sodium	23-2	9.48	9.68	9.24	9.47	2.37	ppb
Strontium	86-1	0.02	0.02	0.00	0.01	109.23	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-357.37	-376.17	-368.09	-367.21		ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	0.04	0.04	0.04	0.04	1.76	ppb
Thallium	205-1	0.05	0.04	0.04	0.04	11.00	ppb
Thorium	232-1	0.01	0.01	0.01	0.01	14.06	ppb
Tin	118-1	0.01	0.01	0.00	0.01	53.65	ppb
Titanium	47-1	0.00	-0.01	0.00	0.00		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	1120.83	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	50.01	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P7
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:29:24	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	0.18	0.06	0.12	0.12	50.51	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	-0.01	0.01	0.01	0.00	264.14	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P7
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:32:59	DataFile Name :	019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86667.83	85967.59	86444.50	86359.97	0.41	ppb
Antimony	121-1	1.22	1.17	1.21	1.20	2.03	ppb
Arsenic	75-2	0.38	0.34	0.33	0.35	7.77	ppb
Barium	135-1	1.26	1.60	1.39	1.42	11.99	ppb
Barium	137-1	1.45	1.40	1.43	1.43	1.62	ppb
Beryllium	9-1	0.29	0.30	0.28	0.29	2.15	ppb
Bismuth	209-1				91		%
Bismuth	209-2				87		%
Boron	10-1	6.54	6.34	6.36	6.41	1.70	ppb
Boron	11-1	6.16	6.07	5.98	6.07	1.48	ppb
Cadmium	111-1	0.18	0.31	0.13	0.21	45.18	ppb
Cadmium	106-1	-2.32	-2.37	-2.95	-2.55		ppb
Cadmium	108-1	10.47	9.21	10.49	10.06	7.27	ppb
Calcium	43-1	91158.25	92564.99	91911.00	91878.08	0.77	ppb
Calcium	44-1	91864.04	92068.87	91825.29	91919.40	0.14	ppb
Chromium	52-2	18.67	18.95	18.82	18.81	0.72	ppb
Cobalt	59-2	1.17	1.14	1.13	1.15	1.57	ppb
Copper	63-2	7.19	7.29	7.42	7.30	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				97		%
Indium	115-1				90		%
Indium	115-2				90		%
Iron	56-2	99503.75	98915.06	99960.18	99459.66	0.53	ppb
Iron	57-2	99289.04	98604.50	99224.70	99039.41	0.38	ppb
Krypton	83-1						cps
Lead	206-1	4.59	4.55	4.60	4.58	0.63	ppb
Lead	207-1	4.01	3.91	3.95	3.95	1.26	ppb
Lead	208-1	4.23	4.20	4.24	4.22	0.54	ppb
Lithium	6-1				91		%
Magnesium	24-2	94555.57	94785.64	94693.35	94678.19	0.12	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P7
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:32:59	DataFile Name :	019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.39	7.65	7.73	7.59	2.37	ppb
Molybdenum	94-1	1293.08	1290.73	1301.89	1295.23	0.45	ppb
Molybdenum	95-1	1873.82	1884.61	1886.47	1881.63	0.36	ppb
Molybdenum	96-1	1810.18	1822.82	1811.83	1814.94	0.38	ppb
Molybdenum	97-1	1882.34	1905.97	1864.12	1884.14	1.11	ppb
Molybdenum	98-1	1875.22	1904.29	1868.66	1882.72	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.03	5.22	5.25	5.17	2.25	ppb
Phosphorus	31-2	93629.80	94280.88	94339.31	94083.33	0.42	ppb
Potassium	39-2	94656.30	94543.24	94949.17	94716.24	0.22	ppb
Rhodium	103-1				84		%
Rhodium	103-2				84		%
Scandium	45-1				90		%
Scandium	45-2				91		%
Selenium	77-2	0.35	0.00	0.00	0.12	173.21	ppb
Selenium	78-2	0.51	0.37	0.15	0.34	53.80	ppb
Selenium	82-1	0.27	0.14	0.40	0.27	47.14	ppb
Silicon	28-1	20.17	20.38	20.22	20.26	0.53	ppb
Silver	109-1	0.10	0.13	0.13	0.12	13.11	ppb
Silver	107-1	0.11	0.12	0.11	0.11	5.58	ppb
Sodium	23-2	92956.15	92528.86	92699.68	92728.23	0.23	ppb
Strontium	86-1	33.29	32.43	32.13	32.62	1.85	ppb
Strontium	88-1	32.49	32.72	32.74	32.65	0.42	ppb
Sulfur	34-1	85001.40	85915.66	86463.70	85793.59	0.86	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.17	0.18	0.22	0.19	13.94	ppb
Thallium	205-1	0.16	0.17	0.22	0.18	16.86	ppb
Thorium	232-1	0.02	0.01	0.02	0.02	9.87	ppb
Tin	118-1	0.17	0.18	0.20	0.18	6.67	ppb
Titanium	47-1	1916.83	1945.54	1933.52	1931.96	0.75	ppb
Uranium	238-1	0.02	0.01	0.02	0.01	13.56	ppb
Vanadium	51-2	0.15	0.16	0.19	0.17	11.67	ppb
Yttrium	89-1				92		%
Yttrium	89-2				92		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P7
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:32:59	DataFile Name :	019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	10.12	10.39	10.16	10.22	1.42	ppb
Zirconium	90-1	0.02	0.03	0.01	0.02	43.61	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	12.60	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P7
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:36:35	DataFile Name :	020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87671.93	87358.76	87249.73	87426.81	0.25	ppb
Antimony	121-1	20.45	20.35	20.41	20.40	0.24	ppb
Arsenic	75-2	19.31	19.32	18.90	19.18	1.27	ppb
Barium	135-1	21.31	21.54	21.46	21.44	0.54	ppb
Barium	137-1	21.05	21.44	21.44	21.31	1.06	ppb
Beryllium	9-1	19.94	19.58	19.65	19.72	0.96	ppb
Bismuth	209-1				93		%
Bismuth	209-2				89		%
Boron	10-1	61.44	62.47	65.23	63.05	3.11	ppb
Boron	11-1	60.97	62.87	62.36	62.07	1.59	ppb
Cadmium	111-1	16.97	17.38	17.18	17.18	1.18	ppb
Cadmium	106-1	12.48	12.91	11.21	12.20	7.23	ppb
Cadmium	108-1	24.15	26.08	25.89	25.37	4.19	ppb
Calcium	43-1	92831.57	93324.75	93103.67	93086.66	0.27	ppb
Calcium	44-1	93518.14	92318.54	93176.22	93004.30	0.66	ppb
Chromium	52-2	38.33	38.16	38.17	38.22	0.25	ppb
Cobalt	59-2	20.35	20.49	20.18	20.34	0.76	ppb
Copper	63-2	26.77	26.88	26.45	26.70	0.84	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				104		%
Holmium	165-2				99		%
Indium	115-1				92		%
Indium	115-2				92		%
Iron	56-2	100359.72	100908.23	100028.29	100432.08	0.44	ppb
Iron	57-2	99714.36	100080.76	99567.81	99787.64	0.26	ppb
Krypton	83-1						cps
Lead	206-1	24.49	24.48	24.90	24.62	0.99	ppb
Lead	207-1	22.73	22.84	22.90	22.82	0.36	ppb
Lead	208-1	23.42	23.55	23.64	23.54	0.47	ppb
Lithium	6-1				93		%
Magnesium	24-2	96368.93	95942.32	95506.91	95939.39	0.45	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P7
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:36:35	DataFile Name :	020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	26.41	26.61	26.95	26.65	1.02	ppb
Molybdenum	94-1	1350.95	1343.33	1361.00	1351.76	0.66	ppb
Molybdenum	95-1	1951.27	1953.60	1964.81	1956.56	0.37	ppb
Molybdenum	96-1	1884.67	1874.18	1889.15	1882.67	0.41	ppb
Molybdenum	97-1	1958.89	1946.92	1964.02	1956.61	0.45	ppb
Molybdenum	98-1	1961.92	1960.96	1970.66	1964.51	0.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.58	24.25	24.29	24.38	0.73	ppb
Phosphorus	31-2	94835.01	94521.19	94252.54	94536.25	0.31	ppb
Potassium	39-2	96085.58	95467.13	94848.36	95467.02	0.65	ppb
Rhodium	103-1				86		%
Rhodium	103-2				87		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	77-2	16.50	18.38	14.88	16.59	10.55	ppb
Selenium	78-2	21.70	18.26	18.92	19.63	9.31	ppb
Selenium	82-1	18.91	18.80	19.40	19.03	1.67	ppb
Silicon	28-1	83.96	83.83	84.29	84.02	0.29	ppb
Silver	109-1	17.98	18.02	18.19	18.06	0.61	ppb
Silver	107-1	17.92	18.14	18.22	18.09	0.85	ppb
Sodium	23-2	94302.90	93991.93	94325.12	94206.65	0.20	ppb
Strontium	86-1	32.87	33.34	33.81	33.34	1.42	ppb
Strontium	88-1	33.11	33.13	33.49	33.24	0.64	ppb
Sulfur	34-1	86916.22	86587.10	86607.17	86703.49	0.21	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	20.36	20.29	20.25	20.30	0.27	ppb
Thallium	205-1	20.36	20.38	20.47	20.41	0.29	ppb
Thorium	232-1	0.01	0.01	0.01	0.01	6.55	ppb
Tin	118-1	58.74	58.98	59.26	58.99	0.44	ppb
Titanium	47-1	2011.36	2028.10	1997.60	2012.35	0.76	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	7.87	ppb
Vanadium	51-2	19.22	19.13	19.28	19.21	0.39	ppb
Yttrium	89-1				95		%
Yttrium	89-2				95		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P7
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:36:35	DataFile Name :	020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	25.94	25.67	25.82	25.81	0.53	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	10.89	ppb
Zirconium	91-1	0.04	0.03	0.02	0.03	40.33	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P7
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:43:51	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51826.44	51797.02	52470.57	52031.34	0.73	ppb
Antimony	121-1	492.69	497.28	495.60	495.19	0.47	ppb
Arsenic	75-2	471.74	472.56	471.61	471.97	0.11	ppb
Barium	135-1	2582.69	2559.76	2557.06	2566.50	0.55	ppb
Barium	137-1	2572.54	2566.07	2573.37	2570.66	0.16	ppb
Beryllium	9-1	490.25	493.71	496.21	493.39	0.61	ppb
Bismuth	209-1				87		%
Bismuth	209-2				83		%
Boron	10-1	484.92	504.05	511.40	500.12	2.73	ppb
Boron	11-1	495.12	501.58	507.37	501.36	1.22	ppb
Cadmium	111-1	461.17	463.33	463.09	462.53	0.26	ppb
Cadmium	106-1	475.68	481.53	478.99	478.73	0.61	ppb
Cadmium	108-1	474.84	474.71	476.84	475.47	0.25	ppb
Calcium	43-1	242681.95	242857.94	241298.56	242279.48	0.35	ppb
Calcium	44-1	241486.57	241048.96	240195.63	240910.38	0.27	ppb
Chromium	52-2	509.40	509.04	515.25	511.23	0.68	ppb
Cobalt	59-2	482.30	484.15	486.70	484.38	0.46	ppb
Copper	63-2	978.95	981.53	992.18	984.22	0.71	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				103		%
Holmium	165-2				98		%
Indium	115-1				90		%
Indium	115-2				90		%
Iron	56-2	127150.07	127209.62	128236.13	127531.94	0.48	ppb
Iron	57-2	126706.94	126516.51	127516.90	126913.45	0.42	ppb
Krypton	83-1						cps
Lead	206-1	525.38	531.20	528.12	528.23	0.55	ppb
Lead	207-1	526.88	530.00	526.61	527.83	0.36	ppb
Lead	208-1	526.16	528.76	525.67	526.86	0.32	ppb
Lithium	6-1				95		%
Magnesium	24-2	263255.15	262519.20	263723.70	263166.02	0.23	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P7
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:43:51	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	985.50	983.59	1005.40	991.50	1.22	ppb
Molybdenum	94-1	2561.39	2568.73	2575.43	2568.52	0.27	ppb
Molybdenum	95-1	2569.05	2552.75	2562.13	2561.31	0.32	ppb
Molybdenum	96-1	2561.92	2559.32	2559.26	2560.17	0.06	ppb
Molybdenum	97-1	2556.58	2574.01	2561.95	2564.18	0.35	ppb
Molybdenum	98-1	2560.73	2579.16	2563.46	2567.78	0.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	480.44	482.85	490.13	484.47	1.04	ppb
Phosphorus	31-2	10064.76	9835.71	9781.40	9893.95	1.52	ppb
Potassium	39-2	124236.14	124960.64	124372.74	124523.17	0.31	ppb
Rhodium	103-1				83		%
Rhodium	103-2				83		%
Scandium	45-1				94		%
Scandium	45-2				97		%
Selenium	77-2	485.28	488.46	480.08	484.61	0.87	ppb
Selenium	78-2	492.69	486.44	473.22	484.11	2.05	ppb
Selenium	82-1	472.64	482.65	484.79	480.03	1.35	ppb
Silicon	28-1	540.53	545.49	546.43	544.15	0.58	ppb
Silver	109-1	485.62	487.61	488.38	487.21	0.29	ppb
Silver	107-1	492.92	491.77	488.35	491.01	0.48	ppb
Sodium	23-2	243206.09	243537.85	244589.80	243777.91	0.30	ppb
Strontium	86-1	508.71	515.42	520.03	514.72	1.11	ppb
Strontium	88-1	504.44	511.30	509.11	508.29	0.69	ppb
Sulfur	34-1	9714.86	9723.44	9671.41	9703.24	0.29	ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	530.41	533.40	526.10	529.97	0.69	ppb
Thallium	205-1	529.04	535.07	525.80	529.97	0.89	ppb
Thorium	232-1	531.45	534.70	530.67	532.28	0.40	ppb
Tin	118-1	508.79	509.92	512.11	510.27	0.33	ppb
Titanium	47-1	2571.57	2590.70	2589.14	2583.80	0.41	ppb
Uranium	238-1	529.61	526.51	531.90	529.34	0.51	ppb
Vanadium	51-2	506.16	506.31	506.78	506.41	0.06	ppb
Yttrium	89-1				95		%
Yttrium	89-2				95		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P7
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:43:51	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	972.01	966.10	975.07	971.06	0.47	ppb
Zirconium	90-1	516.77	514.31	518.10	516.39	0.37	ppb
Zirconium	91-1	512.32	518.72	519.54	516.86	0.77	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P7
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:47:31	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.43	1.46	0.99	1.29	20.44	ppb
Antimony	121-1	0.18	0.17	0.18	0.17	3.59	ppb
Arsenic	75-2	0.03	0.06	0.03	0.04	48.88	ppb
Barium	135-1	0.08	0.10	0.08	0.09	11.34	ppb
Barium	137-1	0.09	0.09	0.06	0.08	20.08	ppb
Beryllium	9-1	0.07	0.05	0.06	0.06	13.41	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Boron	10-1	21.00	20.08	19.39	20.16	4.00	ppb
Boron	11-1	21.83	20.50	18.15	20.16	9.25	ppb
Cadmium	111-1	-0.02	-0.04	-0.09	-0.05		ppb
Cadmium	106-1	-0.62	-1.14	-1.52	-1.09		ppb
Cadmium	108-1	0.02	-0.02	0.01	0.00	1481.33	ppb
Calcium	43-1	6.44	4.48	2.68	4.54	41.50	ppb
Calcium	44-1	4.62	4.23	3.35	4.06	16.05	ppb
Chromium	52-2	0.02	0.07	0.05	0.05	54.30	ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	8.08	ppb
Copper	63-2	0.07	0.05	0.04	0.05	30.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	3.12	3.46	3.61	3.40	7.38	ppb
Iron	57-2	3.63	3.91	2.49	3.35	22.45	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.07	0.05	0.06	13.58	ppb
Lead	207-1	0.05	0.04	0.05	0.05	11.83	ppb
Lead	208-1	0.05	0.05	0.04	0.05	14.16	ppb
Lithium	6-1				105		%
Magnesium	24-2	7.04	6.35	6.76	6.72	5.15	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P7
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:47:31	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	0.00	0.00	0.00		ppb
Molybdenum	94-1	0.52	0.44	0.38	0.45	16.13	ppb
Molybdenum	95-1	0.61	0.51	0.50	0.54	10.96	ppb
Molybdenum	96-1	0.54	0.52	0.44	0.50	11.18	ppb
Molybdenum	97-1	0.63	0.50	0.44	0.52	18.60	ppb
Molybdenum	98-1	0.54	0.53	0.45	0.51	10.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.01	0.04	0.02	110.89	ppb
Phosphorus	31-2	-21.20	-15.60	-20.22	-19.01		ppb
Potassium	39-2	9.80	9.72	9.67	9.73	0.65	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.03	0.22	0.00	0.06	217.07	ppb
Selenium	82-1	0.07	-0.09	0.04	0.01	1095.13	ppb
Silicon	28-1	-0.51	-1.05	-1.59	-1.05		ppb
Silver	109-1	0.07	0.06	0.05	0.06	16.84	ppb
Silver	107-1	0.05	0.05	0.05	0.05	2.35	ppb
Sodium	23-2	37.32	38.49	36.95	37.59	2.13	ppb
Strontium	86-1	0.03	0.01	0.04	0.03	39.46	ppb
Strontium	88-1	0.01	0.01	0.01	0.01	13.26	ppb
Sulfur	34-1	-475.02	-449.91	-486.76	-470.56		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.13	0.10	0.09	0.11	20.11	ppb
Thallium	205-1	0.12	0.11	0.10	0.11	8.48	ppb
Thorium	232-1	0.06	0.06	0.05	0.06	3.83	ppb
Tin	118-1	0.07	0.08	0.07	0.07	7.57	ppb
Titanium	47-1	0.08	0.08	0.05	0.07	24.08	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	21.85	ppb
Vanadium	51-2	0.02	0.02	0.01	0.01	25.94	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P7
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:47:31	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	-0.10	-0.24	-0.25	-0.20		ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	24.67	ppb
Zirconium	91-1	0.03	0.05	0.03	0.03	29.99	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6366-02A	Instrumnet Name :	P7
Client Sample ID :	METC11A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:51:05	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.99	7.92	9.44	8.78	8.93	ppb
Antimony	121-1	0.72	0.74	0.74	0.73	1.41	ppb
Arsenic	75-2	2.70	2.36	2.45	2.50	7.06	ppb
Barium	135-1	111.93	114.60	113.80	113.44	1.21	ppb
Barium	137-1	111.43	113.09	112.86	112.46	0.80	ppb
Beryllium	9-1	0.04	0.02	0.04	0.03	42.55	ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Boron	10-1	238.35	250.64	254.90	247.96	3.47	ppb
Boron	11-1	238.60	253.07	257.52	249.73	3.96	ppb
Cadmium	111-1	0.01	0.02	0.08	0.03	109.61	ppb
Cadmium	106-1	-1.83	-1.90	-1.24	-1.65		ppb
Cadmium	108-1	1.58	1.55	1.77	1.63	7.34	ppb
Calcium	43-1	108664.47	109142.86	108676.74	108828.02	0.25	ppb
Calcium	44-1	108900.59	108459.02	108391.44	108583.68	0.25	ppb
Chromium	52-2	0.28	0.32	0.25	0.28	11.30	ppb
Cobalt	59-2	0.88	0.88	0.88	0.88	0.11	ppb
Copper	63-2	0.76	0.78	0.84	0.79	4.99	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				122		%
Holmium	165-2				113		%
Indium	115-1				114		%
Indium	115-2				111		%
Iron	56-2	157.09	156.50	155.83	156.47	0.40	ppb
Iron	57-2	498.30	494.03	497.60	496.64	0.46	ppb
Krypton	83-1						cps
Lead	206-1	0.22	0.19	0.21	0.21	8.62	ppb
Lead	207-1	0.22	0.19	0.19	0.20	7.31	ppb
Lead	208-1	0.22	0.20	0.20	0.21	7.13	ppb
Lithium	6-1				121		%
Magnesium	24-2	37210.75	37133.35	36700.38	37014.83	0.74	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6366-02A	Instrumnet Name :	P7
Client Sample ID :	METC11A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:51:05	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	89.58	89.31	90.13	89.67	0.47	ppb
Molybdenum	94-1	177.99	177.67	178.56	178.07	0.25	ppb
Molybdenum	95-1	258.40	256.19	258.78	257.79	0.54	ppb
Molybdenum	96-1	244.61	245.03	246.32	245.32	0.36	ppb
Molybdenum	97-1	256.33	256.20	256.69	256.41	0.10	ppb
Molybdenum	98-1	256.88	256.60	258.82	257.43	0.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.99	3.81	3.96	3.92	2.34	ppb
Phosphorus	31-2	111.06	90.08	81.81	94.32	15.98	ppb
Potassium	39-2	4593.70	4615.87	4605.53	4605.03	0.24	ppb
Rhodium	103-1				109		%
Rhodium	103-2				107		%
Scandium	45-1				119		%
Scandium	45-2				117		%
Selenium	77-2	16.81	17.40	15.23	16.48	6.82	ppb
Selenium	78-2	15.43	16.19	14.39	15.34	5.91	ppb
Selenium	82-1	15.03	14.31	15.45	14.93	3.87	ppb
Silicon	28-1	6535.90	6571.52	6643.82	6583.75	0.84	ppb
Silver	109-1	0.23	0.26	0.28	0.26	9.63	ppb
Silver	107-1	0.21	0.28	0.31	0.27	19.86	ppb
Sodium	23-2	53025.79	52784.17	52594.47	52801.48	0.41	ppb
Strontium	86-1	329.28	328.01	332.40	329.90	0.69	ppb
Strontium	88-1	330.44	329.64	328.90	329.66	0.23	ppb
Sulfur	34-1	27258.88	27496.46	27556.75	27437.36	0.57	ppb
Terbium	159-1				120		%
Terbium	159-2				114		%
Thallium	203-1	0.46	0.45	0.42	0.44	5.25	ppb
Thallium	205-1	0.44	0.45	0.42	0.44	3.71	ppb
Thorium	232-1	0.02	0.02	0.02	0.02	5.33	ppb
Tin	118-1	0.29	0.27	0.26	0.27	4.28	ppb
Titanium	47-1	0.70	0.60	0.68	0.66	7.74	ppb
Uranium	238-1	5.62	5.67	5.67	5.66	0.53	ppb
Vanadium	51-2	0.25	0.26	0.24	0.25	3.01	ppb
Yttrium	89-1				117		%
Yttrium	89-2				115		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6366-02A	Instrumnet Name :	P7
Client Sample ID :	METC11A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:51:05	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	10.04	10.34	10.80	10.39	3.66	ppb
Zirconium	90-1	0.08	0.08	0.08	0.08	4.50	ppb
Zirconium	91-1	0.10	0.09	0.07	0.08	17.19	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MBEJD2	Dilution Factor :	2
Date & Time Acquired ::	2018-12-21 14:54:40	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7962.09	7859.01	7794.25	7871.78	1.08	ppb
Antimony	121-1	0.39	0.36	0.39	0.38	5.51	ppb
Arsenic	75-2	5.13	4.90	4.98	5.00	2.40	ppb
Barium	135-1	9.16	9.37	9.52	9.35	1.91	ppb
Barium	137-1	9.26	9.38	9.45	9.37	1.06	ppb
Beryllium	9-1	0.84	0.85	0.87	0.85	1.73	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Boron	10-1	480.57	480.02	502.98	487.86	2.69	ppb
Boron	11-1	489.78	498.27	512.87	500.31	2.33	ppb
Cadmium	111-1	61.13	61.53	60.72	61.13	0.66	ppb
Cadmium	106-1	51.45	51.72	51.23	51.47	0.47	ppb
Cadmium	108-1	54.01	55.62	54.84	54.82	1.48	ppb
Calcium	43-1	40664.40	41091.49	40725.89	40827.26	0.57	ppb
Calcium	44-1	41161.37	41002.72	40949.60	41037.89	0.27	ppb
Chromium	52-2	6.31	6.23	6.24	6.26	0.72	ppb
Cobalt	59-2	60.13	59.76	59.74	59.88	0.37	ppb
Copper	63-2	3.31	3.22	3.31	3.28	1.60	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				114		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	47209.29	46729.90	46275.25	46738.15	1.00	ppb
Iron	57-2	47244.66	46312.78	46806.78	46788.07	1.00	ppb
Krypton	83-1						cps
Lead	206-1	3.47	3.44	3.41	3.44	0.75	ppb
Lead	207-1	3.13	3.21	3.15	3.16	1.22	ppb
Lead	208-1	3.27	3.29	3.25	3.27	0.61	ppb
Lithium	6-1				104		%
Magnesium	24-2	10922.42	10897.35	10808.27	10876.01	0.55	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MBEJD2	Dilution Factor :	2
Date & Time Acquired ::	2018-12-21 14:54:40	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	680.44	676.33	671.19	675.99	0.69	ppb
Molybdenum	94-1	3.40	3.43	3.36	3.40	0.98	ppb
Molybdenum	95-1	0.17	0.17	0.17	0.17	1.57	ppb
Molybdenum	96-1	0.85	0.94	0.89	0.90	4.99	ppb
Molybdenum	97-1	0.17	0.17	0.17	0.17	2.84	ppb
Molybdenum	98-1	0.19	0.18	0.16	0.18	9.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	158.81	157.86	157.39	158.02	0.46	ppb
Phosphorus	31-2	1.01	-2.90	-11.01	-4.30		ppb
Potassium	39-2	2906.15	2884.95	2865.21	2885.44	0.71	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				103		%
Selenium	77-2	58.30	57.44	54.53	56.75	3.48	ppb
Selenium	78-2	12.05	12.33	12.67	12.35	2.49	ppb
Selenium	82-1	1.73	1.67	1.51	1.63	7.02	ppb
Silicon	28-1	5040.87	5046.00	4998.44	5028.44	0.52	ppb
Silver	109-1	0.15	0.16	0.17	0.16	5.01	ppb
Silver	107-1	0.15	0.19	0.17	0.17	10.31	ppb
Sodium	23-2	12665.07	12491.22	12414.42	12523.57	1.03	ppb
Strontium	86-1	134.24	136.16	135.57	135.33	0.73	ppb
Strontium	88-1	135.06	136.07	136.43	135.85	0.52	ppb
Sulfur	34-1	121514.80	123100.02	120094.30	121569.71	1.24	ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	0.38	0.37	0.35	0.37	3.48	ppb
Thallium	205-1	0.39	0.36	0.36	0.37	4.25	ppb
Thorium	232-1	0.41	0.41	0.40	0.41	1.07	ppb
Tin	118-1	0.13	0.14	0.13	0.13	3.53	ppb
Titanium	47-1	0.83	0.77	0.76	0.79	5.13	ppb
Uranium	238-1	1.51	1.48	1.48	1.49	0.88	ppb
Vanadium	51-2	0.15	0.18	0.15	0.16	8.99	ppb
Yttrium	89-1				139		%
Yttrium	89-2				137		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MBEJD2	Dilution Factor :	2
Date & Time Acquired ::	2018-12-21 14:54:40	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	350.18	343.29	343.88	345.78	1.10	ppb
Zirconium	90-1	2.11	2.12	2.12	2.12	0.16	ppb
Zirconium	91-1	2.02	1.99	2.17	2.06	4.59	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-08	Instrumnet Name :	P7
Client Sample ID :	MBEJE8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:58:16	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.79	3.62	3.47	3.96	18.23	ppb
Antimony	121-1	0.08	0.08	0.08	0.08	1.71	ppb
Arsenic	75-2	0.00	0.03	0.01	0.01	127.49	ppb
Barium	135-1	0.26	0.29	0.23	0.26	11.06	ppb
Barium	137-1	0.23	0.24	0.26	0.24	6.33	ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	11.73	ppb
Bismuth	209-1				116		%
Bismuth	209-2				115		%
Boron	10-1	25.60	23.66	21.47	23.58	8.76	ppb
Boron	11-1	25.94	23.20	22.05	23.73	8.43	ppb
Cadmium	111-1	-0.04	-0.11	-0.05	-0.07		ppb
Cadmium	106-1	-0.73	-1.82	-0.99	-1.18		ppb
Cadmium	108-1	0.02	-0.03	0.03	0.01	469.55	ppb
Calcium	43-1	34.66	35.60	37.02	35.76	3.33	ppb
Calcium	44-1	36.33	35.52	35.10	35.65	1.75	ppb
Chromium	52-2	-0.05	-0.03	-0.04	-0.04		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.29	0.30	0.28	0.29	2.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	2.39	2.28	2.43	2.36	3.35	ppb
Iron	57-2	1.69	1.65	1.39	1.58	10.40	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.06	0.06	0.06	4.30	ppb
Lead	207-1	0.07	0.07	0.06	0.06	7.29	ppb
Lead	208-1	0.07	0.06	0.06	0.06	7.47	ppb
Lithium	6-1				114		%
Magnesium	24-2	3.40	3.93	2.90	3.41	15.11	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-08	Instrumnet Name :	P7
Client Sample ID :	MBEJE8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:58:16	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.07	0.06	0.08	0.07	11.70	ppb
Molybdenum	94-1	0.07	0.05	0.07	0.06	16.95	ppb
Molybdenum	95-1	0.10	0.10	0.08	0.09	11.90	ppb
Molybdenum	96-1	0.07	0.08	0.07	0.08	8.55	ppb
Molybdenum	97-1	0.09	0.07	0.09	0.08	11.37	ppb
Molybdenum	98-1	0.11	0.10	0.08	0.10	18.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	0.09	0.06	0.07	14.85	ppb
Phosphorus	31-2	-20.91	-18.92	-19.95	-19.93		ppb
Potassium	39-2	9.65	6.90	9.42	8.66	17.61	ppb
Rhodium	103-1				114		%
Rhodium	103-2				112		%
Scandium	45-1				116		%
Scandium	45-2				113		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.03	0.05	0.09	0.04	152.94	ppb
Selenium	82-1	0.10	-0.05	0.16	0.07	149.58	ppb
Silicon	28-1	-6.48	-6.18	-6.39	-6.35		ppb
Silver	109-1	0.05	0.05	0.04	0.05	16.09	ppb
Silver	107-1	0.06	0.04	0.04	0.05	23.20	ppb
Sodium	23-2	25.34	23.79	23.67	24.27	3.85	ppb
Strontium	86-1	0.36	0.29	0.29	0.31	12.66	ppb
Strontium	88-1	0.29	0.30	0.30	0.30	3.16	ppb
Sulfur	34-1	-731.40	-708.54	-746.74	-728.89		ppb
Terbium	159-1				117		%
Terbium	159-2				113		%
Thallium	203-1	0.03	0.02	0.03	0.03	20.93	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	3.55	ppb
Thorium	232-1	0.01	0.01	0.01	0.01	10.95	ppb
Tin	118-1	0.01	0.02	0.01	0.01	45.47	ppb
Titanium	47-1	0.02	0.03	0.02	0.02	25.74	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	85.89	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	16.68	ppb
Yttrium	89-1				116		%
Yttrium	89-2				114		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-08	Instrumnet Name :	P7
Client Sample ID :	MBEJE8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:58:16	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	22.21	23.49	23.15	22.95	2.90	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	211.31	ppb
Zirconium	91-1	0.01	0.02	0.00	0.01	98.50	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV017	Instrumnet Name :	P7
Client Sample ID :	CCV017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:01:51	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52184.37	52461.82	52368.70	52338.29	0.27	ppb
Antimony	121-1	486.77	492.34	495.63	491.58	0.91	ppb
Arsenic	75-2	469.42	473.85	472.02	471.77	0.47	ppb
Barium	135-1	2563.07	2565.01	2573.44	2567.17	0.21	ppb
Barium	137-1	2571.36	2554.28	2558.42	2561.35	0.35	ppb
Beryllium	9-1	493.34	494.57	493.89	493.93	0.12	ppb
Bismuth	209-1				86		%
Bismuth	209-2				82		%
Boron	10-1	488.90	494.60	496.89	493.46	0.83	ppb
Boron	11-1	487.50	494.00	496.17	492.56	0.92	ppb
Cadmium	111-1	508.21	510.64	510.44	509.76	0.26	ppb
Cadmium	106-1	516.55	516.33	517.29	516.72	0.10	ppb
Cadmium	108-1	519.72	513.67	522.54	518.64	0.87	ppb
Calcium	43-1	240036.95	239122.14	238997.65	239385.58	0.24	ppb
Calcium	44-1	238015.31	238479.70	237801.66	238098.89	0.15	ppb
Chromium	52-2	509.36	509.82	511.28	510.15	0.20	ppb
Cobalt	59-2	481.44	484.95	482.38	482.92	0.38	ppb
Copper	63-2	987.42	996.96	991.01	991.80	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				97		%
Indium	115-1				88		%
Indium	115-2				89		%
Iron	56-2	127915.22	127266.46	126900.61	127360.76	0.40	ppb
Iron	57-2	126643.20	127077.72	125797.74	126506.22	0.51	ppb
Krypton	83-1						cps
Lead	206-1	522.43	526.36	527.27	525.35	0.49	ppb
Lead	207-1	522.28	525.10	529.77	525.72	0.72	ppb
Lead	208-1	523.94	523.96	526.04	524.65	0.23	ppb
Lithium	6-1				93		%
Magnesium	24-2	261330.07	262199.37	264056.76	262528.74	0.53	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV017	Instrumnet Name :	P7
Client Sample ID :	CCV017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:01:51	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	991.29	988.08	988.22	989.19	0.18	ppb
Molybdenum	94-1	2553.72	2581.18	2552.12	2562.34	0.64	ppb
Molybdenum	95-1	2551.75	2559.03	2537.11	2549.30	0.44	ppb
Molybdenum	96-1	2548.73	2556.51	2555.40	2553.55	0.16	ppb
Molybdenum	97-1	2559.46	2543.25	2547.37	2550.03	0.33	ppb
Molybdenum	98-1	2572.83	2560.84	2554.78	2562.82	0.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	482.01	485.34	480.23	482.53	0.54	ppb
Phosphorus	31-2	10049.25	9950.47	9814.76	9938.16	1.18	ppb
Potassium	39-2	124591.89	125234.80	124821.78	124882.82	0.26	ppb
Rhodium	103-1				81		%
Rhodium	103-2				82		%
Scandium	45-1				93		%
Scandium	45-2				96		%
Selenium	77-2	502.61	502.80	493.34	499.59	1.08	ppb
Selenium	78-2	504.89	498.42	491.43	498.24	1.35	ppb
Selenium	82-1	488.84	494.62	490.86	491.44	0.60	ppb
Silicon	28-1	555.52	563.26	568.14	562.31	1.13	ppb
Silver	109-1	498.04	487.07	490.44	491.85	1.14	ppb
Silver	107-1	493.10	492.96	492.66	492.91	0.05	ppb
Sodium	23-2	241384.20	241401.55	242286.27	241690.68	0.21	ppb
Strontium	86-1	511.33	514.34	510.99	512.22	0.36	ppb
Strontium	88-1	511.63	509.00	514.22	511.62	0.51	ppb
Sulfur	34-1	9641.13	9639.75	9742.87	9674.58	0.61	ppb
Terbium	159-1				99		%
Terbium	159-2				95		%
Thallium	203-1	531.18	521.81	525.99	526.33	0.89	ppb
Thallium	205-1	531.02	526.62	524.19	527.28	0.66	ppb
Thorium	232-1	529.17	531.28	532.24	530.90	0.30	ppb
Tin	118-1	505.59	510.62	508.95	508.39	0.50	ppb
Titanium	47-1	2570.85	2570.75	2562.96	2568.19	0.18	ppb
Uranium	238-1	524.65	528.17	528.89	527.24	0.43	ppb
Vanadium	51-2	502.94	505.42	502.03	503.47	0.35	ppb
Yttrium	89-1				93		%
Yttrium	89-2				94		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV017	Instrumnet Name :	P7
Client Sample ID :	CCV017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:01:51	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	914.83	920.84	911.98	915.88	0.49	ppb
Zirconium	90-1	514.68	515.72	512.69	514.37	0.30	ppb
Zirconium	91-1	506.72	514.74	515.56	512.34	0.95	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB017	Instrumnet Name :	P7
Client Sample ID :	CCB017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:05:31	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.41	0.69	0.74	0.61	29.33	ppb
Antimony	121-1	0.18	0.16	0.19	0.18	8.12	ppb
Arsenic	75-2	0.01	0.01	0.00	0.01	81.92	ppb
Barium	135-1	0.06	0.09	0.04	0.06	41.51	ppb
Barium	137-1	0.08	0.07	0.04	0.06	32.29	ppb
Beryllium	9-1	0.06	0.05	0.05	0.05	9.87	ppb
Bismuth	209-1				111		%
Bismuth	209-2				106		%
Boron	10-1	21.99	18.67	18.99	19.88	9.22	ppb
Boron	11-1	22.25	18.83	19.52	20.20	8.97	ppb
Cadmium	111-1	-0.03	-0.06	-0.03	-0.04		ppb
Cadmium	106-1	-0.96	-1.36	-0.75	-1.02		ppb
Cadmium	108-1	0.10	0.00	0.05	0.05	96.32	ppb
Calcium	43-1	1.82	2.68	0.89	1.80	49.80	ppb
Calcium	44-1	3.36	2.61	2.15	2.71	22.51	ppb
Chromium	52-2	0.06	0.06	0.03	0.05	34.20	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	3531.02	ppb
Copper	63-2	0.09	0.08	0.06	0.08	18.52	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				113		%
Holmium	165-2				105		%
Indium	115-1				108		%
Indium	115-2				105		%
Iron	56-2	1.87	1.62	1.83	1.77	7.47	ppb
Iron	57-2	2.85	1.96	1.56	2.12	31.10	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.03	0.04	0.04	21.36	ppb
Lead	207-1	0.05	0.02	0.04	0.04	34.96	ppb
Lead	208-1	0.04	0.02	0.04	0.03	29.83	ppb
Lithium	6-1				109		%
Magnesium	24-2	3.38	3.32	3.89	3.53	8.87	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB017	Instrumnet Name :	P7
Client Sample ID :	CCB017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:05:31	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	0.00	-0.01	0.00		ppb
Molybdenum	94-1	0.51	0.33	0.38	0.41	22.47	ppb
Molybdenum	95-1	0.59	0.46	0.52	0.52	12.78	ppb
Molybdenum	96-1	0.58	0.47	0.45	0.50	14.76	ppb
Molybdenum	97-1	0.71	0.44	0.43	0.53	30.36	ppb
Molybdenum	98-1	0.59	0.47	0.47	0.51	13.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.00	0.00	0.01	105.97	ppb
Phosphorus	31-2	-19.11	-22.54	-21.48	-21.04		ppb
Potassium	39-2	9.52	4.87	6.03	6.81	35.55	ppb
Rhodium	103-1				106		%
Rhodium	103-2				104		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	77-2	0.31	0.00	0.00	0.10	173.21	ppb
Selenium	78-2	0.11	0.46	0.34	0.30	58.46	ppb
Selenium	82-1	0.07	0.10	-0.03	0.05	140.42	ppb
Silicon	28-1	0.62	-1.89	-0.14	-0.47		ppb
Silver	109-1	0.05	0.04	0.04	0.04	5.11	ppb
Silver	107-1	0.05	0.04	0.05	0.05	9.41	ppb
Sodium	23-2	26.42	24.37	22.63	24.48	7.75	ppb
Strontium	86-1	0.04	0.03	0.02	0.03	23.68	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	94.94	ppb
Sulfur	34-1	-478.09	-696.20	-479.00	-551.10		ppb
Terbium	159-1				111		%
Terbium	159-2				105		%
Thallium	203-1	0.10	0.06	0.08	0.08	24.36	ppb
Thallium	205-1	0.08	0.07	0.07	0.07	9.28	ppb
Thorium	232-1	0.08	0.07	0.07	0.07	12.92	ppb
Tin	118-1	0.15	0.12	0.08	0.12	32.02	ppb
Titanium	47-1	0.05	0.08	0.06	0.06	27.00	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	9.30	ppb
Vanadium	51-2	0.01	0.01	0.01	0.01	26.61	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB017	Instrumnet Name :	P7
Client Sample ID :	CCB017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:05:31	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	-0.17	-0.25	-0.22	-0.21		ppb
Zirconium	90-1	0.03	0.02	0.02	0.02	30.46	ppb
Zirconium	91-1	0.02	0.04	0.01	0.03	54.82	ppb

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:25:46	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	67	50	56	17.32	cps
Antimony	121-1	58	92	75	75	22.22	cps
Arsenic	75-2	2	9	15	9	75.26	cps
Barium	135-1	50	42	50	47	10.18	cps
Barium	137-1	75	58	75	69	13.85	cps
Beryllium	9-1	78	78	44	67	28.86	cps
Bismuth	209-1	11040854	11079178	11097702	11072578	0.26	cps
Bismuth	209-2	6258685	6293518	6340593	6297598	0.65	cps
Boron	10-1	342	408	408	386	9.97	cps
Boron	11-1	1750	1967	1592	1770	10.64	cps
Cadmium	111-1	3364	3188	3147	3233	3.57	cps
Cadmium	106-1	4809	4543	4493	4615	3.69	cps
Cadmium	108-1	21	13	8	14	45.83	cps
Calcium	43-1	183	183	175	181	2.66	cps
Calcium	44-1	4201	4468	4684	4451	5.44	cps
Chromium	52-2	830	843	860	844	1.78	cps
Cobalt	59-2	103	113	87	101	13.32	cps
Copper	63-2	237	260	230	242	6.50	cps
Dysprosium	156-1	8	17	25	17	50.01	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	25	33	92	50	72.65	cps
Erbium	164-2	20	27	13	20	33.35	cps
Gadolinium	160-1	58	75	50	61	20.83	cps
Gadolinium	160-2	267	217	250	244	10.42	cps
Holmium	165-1	15108930	15258406	15023008	15130114	0.79	cps
Holmium	165-2	7976611	7894646	7933208	7934822	0.52	cps
Indium	115-1	11895024	11834226	11937501	11888917	0.44	cps
Indium	115-2	2126486	2145156	2154802	2142148	0.67	cps
Iron	56-2	3917	4040	3801	3919	3.05	cps
Iron	57-2	128	161	111	133	19.09	cps
Krypton	83-1	297	363	300	320	11.74	cps
Lead	206-1	972	906	1011	963	5.54	cps
Lead	207-1	867	839	800	835	4.01	cps
Lead	208-1	3989	3839	3945	3924	1.96	cps
Lithium	6-1	5062212	5046915	5042263	5050463	0.21	cps
Magnesium	24-2	175	133	175	161	14.93	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:25:46	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	87	90	90	89	2.16	cps
Molybdenum	94-1	325	300	275	300	8.33	cps
Molybdenum	95-1	92	17	42	50	76.37	cps
Molybdenum	96-1	192	125	150	156	21.65	cps
Molybdenum	97-1	108	25	50	61	69.98	cps
Molybdenum	98-1	100	108	100	103	4.68	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	53	80	40	58	35.25	cps
Phosphorus	31-2	125	50	92	89	42.28	cps
Potassium	39-2	11163	11680	11372	11405	2.28	cps
Rhodium	103-1	10706475	10727865	10669653	10701331	0.28	cps
Rhodium	103-2	4763091	4811041	4843501	4805878	0.84	cps
Scandium	45-1	7676362	7720684	7692280	7696442	0.29	cps
Scandium	45-2	290958	291593	294499	292350	0.65	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	37	46	33	39	17.18	cps
Selenium	82-1	19	-36	42	8	478.92	cps
Silicon	28-1	250386	237641	240536	242854	2.75	cps
Silver	109-1	50	83	42	58	37.80	cps
Silver	107-1	133	100	108	114	15.23	cps
Sodium	23-2	8961	9261	8820	9014	2.50	cps
Strontium	86-1	508	567	425	500	14.24	cps
Strontium	88-1	375	217	292	294	26.90	cps
Sulfur	34-1	259548	258021	257469	258346	0.42	cps
Terbium	159-1	15484204	15590839	15423576	15499539	0.55	cps
Terbium	159-2	7692776	7685373	7669441	7682530	0.16	cps
Thallium	203-1	167	217	217	200	14.44	cps
Thallium	205-1	567	458	675	567	19.12	cps
Thorium	232-1	39	50	17	35	48.23	cps
Tin	118-1	742	633	583	653	12.40	cps
Titanium	47-1	92	83	92	89	5.41	cps
Uranium	238-1	133	92	92	106	22.79	cps
Vanadium	51-2	0	10	0	3	173.21	cps
Yttrium	89-1	11757759	11830795	11767249	11785268	0.34	cps
Yttrium	89-2	1525981	1532576	1542734	1533764	0.55	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P7
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:25:46	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	443	400	383	409	7.58	cps
Zirconium	90-1	675	608	933	739	23.23	cps
Zirconium	91-1	133	142	133	136	3.53	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:44:12	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	208	283	208	233	18.56	cps
Antimony	121-1	2175	2092	2184	2150	2.36	cps
Arsenic	75-2	20	41	31	31	33.05	cps
Barium	135-1	2975	2850	2875	2900	2.28	cps
Barium	137-1	4651	4834	5051	4846	4.13	cps
Beryllium	9-1	394	522	433	450	14.56	cps
Bismuth	209-1	10544478	10395329	10450606	10463471	0.72	cps
Bismuth	209-2	5892767	6003250	5977841	5957953	0.97	cps
Boron	10-1	3050	2834	2834	2906	4.31	cps
Boron	11-1	13165	12672	13507	13115	3.20	cps
Cadmium	111-1	3232	3091	2842	3055	6.47	cps
Cadmium	106-1	4084	3976	3709	3923	4.92	cps
Cadmium	108-1	21	42	54	39	43.31	cps
Calcium	43-1	2292	1950	2059	2100	8.32	cps
Calcium	44-1	35017	34282	34450	34583	1.11	cps
Chromium	52-2	1330	1500	1417	1416	6.01	cps
Cobalt	59-2	540	597	667	601	10.56	cps
Copper	63-2	847	930	853	877	5.28	cps
Dysprosium	156-1	25	17	17	19	24.73	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	58	42	25	42	40.00	cps
Erbium	164-2	20	23	40	28	38.58	cps
Gadolinium	160-1	75	58	67	67	12.49	cps
Gadolinium	160-2	210	237	190	212	11.03	cps
Holmium	165-1	14373227	13977924	14217470	14189540	1.40	cps
Holmium	165-2	7327021	7365466	7319951	7337479	0.33	cps
Indium	115-1	10939565	10789050	10891043	10873219	0.71	cps
Indium	115-2	1933313	1971665	1963627	1956202	1.03	cps
Iron	56-2	16910	16287	16660	16619	1.89	cps
Iron	57-2	544	378	528	483	18.99	cps
Krypton	83-1	303	287	260	283	7.71	cps
Lead	206-1	1811	1706	1606	1708	6.02	cps
Lead	207-1	1556	1667	1706	1643	4.74	cps
Lead	208-1	7173	7234	7051	7153	1.31	cps
Lithium	6-1	4629345	4575686	4634100	4613043	0.70	cps
Magnesium	24-2	13457	13273	13590	13440	1.18	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:44:12	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	243	247	267	252	5.00	cps
Molybdenum	94-1	2475	2284	2317	2359	4.34	cps
Molybdenum	95-1	2875	3209	2650	2912	9.65	cps
Molybdenum	96-1	3359	3417	3117	3298	4.82	cps
Molybdenum	97-1	1759	1775	1775	1770	0.54	cps
Molybdenum	98-1	4826	4601	4184	4537	7.18	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	243	197	213	218	10.86	cps
Phosphorus	31-2	125	142	92	119	21.32	cps
Potassium	39-2	20406	20265	20790	20487	1.33	cps
Rhodium	103-1	9778449	9634900	9701412	9704920	0.74	cps
Rhodium	103-2	4343190	4393777	4392148	4376372	0.66	cps
Scandium	45-1	7055957	6926492	7009217	6997222	0.94	cps
Scandium	45-2	258570	260874	260423	259956	0.47	cps
Selenium	77-2	7	7	3	6	34.70	cps
Selenium	78-2	48	48	54	50	6.41	cps
Selenium	82-1	87	143	217	149	43.74	cps
Silicon	28-1	200847	202089	202983	201973	0.53	cps
Silver	109-1	1634	1642	1825	1700	6.37	cps
Silver	107-1	1700	1842	1800	1781	4.09	cps
Sodium	23-2	31292	31025	30958	31091	0.57	cps
Strontium	86-1	792	825	975	864	11.30	cps
Strontium	88-1	3534	3401	3309	3414	3.31	cps
Sulfur	34-1	229422	226909	230151	228827	0.74	cps
Terbium	159-1	14516399	14184191	14380138	14360243	1.16	cps
Terbium	159-2	7139761	7137328	7127380	7134823	0.09	cps
Thallium	203-1	1550	1625	1467	1547	5.12	cps
Thallium	205-1	3326	3334	3667	3442	5.66	cps
Thorium	232-1	5451	5557	5329	5446	2.09	cps
Tin	118-1	5435	5902	5401	5579	5.02	cps
Titanium	47-1	783	983	892	886	11.30	cps
Uranium	238-1	4643	4918	4451	4670	5.02	cps
Vanadium	51-2	1317	1170	1287	1258	6.16	cps
Yttrium	89-1	10898918	10699092	10820832	10806281	0.93	cps
Yttrium	89-2	1373779	1388916	1400402	1387699	0.96	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S01	Instrumnet Name :	P7
Client Sample ID :	S01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:44:12	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	917	883	893	898	1.91	cps
Zirconium	90-1	2634	2775	2659	2689	2.81	cps
Zirconium	91-1	567	667	600	611	8.33	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : S02 Instrumnet Name : P7
 Client Sample ID : S02 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 13:48:00 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2384	2175	2292	2284	4.57	cps
Antimony	121-1	20708	20549	20850	20702	0.73	cps
Arsenic	75-2	309	307	350	322	7.47	cps
Barium	135-1	27904	28012	27779	27898	0.42	cps
Barium	137-1	48896	48494	49749	49046	1.31	cps
Beryllium	9-1	3562	3551	3734	3615	2.84	cps
Bismuth	209-1	10787937	10764389	10734699	10762342	0.25	cps
Bismuth	209-2	6002455	6086318	6111297	6066690	0.94	cps
Boron	10-1	18061	17786	17502	17783	1.57	cps
Boron	11-1	76770	78437	79978	78395	2.05	cps
Cadmium	111-1	6346	6139	6006	6164	2.78	cps
Cadmium	106-1	4651	4418	4509	4526	2.60	cps
Cadmium	108-1	217	225	246	229	6.56	cps
Calcium	43-1	19355	19163	19372	19297	0.60	cps
Calcium	44-1	315372	309845	310905	312041	0.94	cps
Chromium	52-2	6898	6768	7008	6892	1.74	cps
Cobalt	59-2	5078	5228	5501	5269	4.08	cps
Copper	63-2	7715	7562	7665	7648	1.02	cps
Dysprosium	156-1	17	8	25	17	50.01	cps
Dysprosium	156-2	10	10	7	9	21.63	cps
Erbium	164-1	25	42	17	28	45.82	cps
Erbium	164-2	23	30	20	24	20.83	cps
Gadolinium	160-1	75	58	58	64	15.05	cps
Gadolinium	160-2	280	223	207	237	16.24	cps
Holmium	165-1	14631161	14436386	14489499	14519015	0.69	cps
Holmium	165-2	7451582	7559016	7482023	7497540	0.74	cps
Indium	115-1	11151713	11133527	11008148	11097796	0.70	cps
Indium	115-2	1982945	1987671	2008709	1993108	0.69	cps
Iron	56-2	147090	150097	149441	148876	1.06	cps
Iron	57-2	4084	3717	3990	3930	4.85	cps
Krypton	83-1	357	357	397	370	6.24	cps
Lead	206-1	11505	11739	11505	11583	1.16	cps
Lead	207-1	9998	10321	9993	10104	1.86	cps
Lead	208-1	46522	46460	46578	46520	0.13	cps
Lithium	6-1	4722067	4734658	4706194	4720973	0.30	cps
Magnesium	24-2	135988	139779	139629	138465	1.55	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:48:00	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2130	2030	2154	2105	3.11	cps
Molybdenum	94-1	22927	23821	23395	23381	1.91	cps
Molybdenum	95-1	28446	27870	27410	27909	1.86	cps
Molybdenum	96-1	31269	30793	30475	30846	1.29	cps
Molybdenum	97-1	17561	17019	17878	17486	2.49	cps
Molybdenum	98-1	45599	45164	45565	45443	0.53	cps
Neodymium	150-1	0	13	13	9	86.60	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	1373	1513	1630	1506	8.54	cps
Phosphorus	31-2	333	342	400	358	10.14	cps
Potassium	39-2	118706	121436	124182	121441	2.25	cps
Rhodium	103-1	9872908	9924444	9834621	9877324	0.46	cps
Rhodium	103-2	4427058	4454606	4487246	4456303	0.68	cps
Scandium	45-1	7189131	7132076	7134162	7151790	0.45	cps
Scandium	45-2	263267	264440	269067	265591	1.15	cps
Selenium	77-2	30	73	50	51	42.43	cps
Selenium	78-2	209	224	237	223	6.22	cps
Selenium	82-1	1297	1241	1313	1284	2.95	cps
Silicon	28-1	279876	280154	280784	280271	0.17	cps
Silver	109-1	16335	15993	16418	16249	1.39	cps
Silver	107-1	17478	16135	17228	16947	4.22	cps
Sodium	23-2	253785	256229	256381	255465	0.57	cps
Strontium	86-1	4117	4192	4201	4170	1.10	cps
Strontium	88-1	31619	32438	31644	31900	1.46	cps
Sulfur	34-1	240102	236785	236684	237857	0.82	cps
Terbium	159-1	14879307	14739692	14765004	14794668	0.50	cps
Terbium	159-2	7218765	7282590	7306961	7269439	0.63	cps
Thallium	203-1	13232	12948	13424	13201	1.81	cps
Thallium	205-1	32190	32056	31722	31989	0.75	cps
Thorium	232-1	47810	47174	46104	47029	1.83	cps
Tin	118-1	52808	51127	51479	51805	1.71	cps
Titanium	47-1	8520	8361	8861	8581	2.98	cps
Uranium	238-1	47003	47831	45949	46928	2.01	cps
Vanadium	51-2	12199	12612	12646	12485	1.99	cps
Yttrium	89-1	11047727	11061238	11019746	11042904	0.19	cps
Yttrium	89-2	1409387	1413103	1419551	1414014	0.36	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P7
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:48:00	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	1954	1880	2100	1978	5.66	cps
Zirconium	90-1	18905	18379	19047	18777	1.87	cps
Zirconium	91-1	3742	4259	4351	4117	7.97	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:51:48	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	124355	121776	122280	122803	1.11	cps
Antimony	121-1	570388	576491	575709	574196	0.58	cps
Arsenic	75-2	17090	16674	17108	16957	1.45	cps
Barium	135-1	750256	755424	747549	751076	0.53	cps
Barium	137-1	1327574	1335291	1322346	1328404	0.49	cps
Beryllium	9-1	199662	196291	196550	197501	0.95	cps
Bismuth	209-1	10632507	10708337	10665144	10668662	0.36	cps
Bismuth	209-2	5916977	5928722	5989145	5944948	0.65	cps
Boron	10-1	39110	37815	39962	38962	2.78	cps
Boron	11-1	170283	169154	175331	171589	1.92	cps
Cadmium	111-1	182027	182678	181297	182000	0.38	cps
Cadmium	106-1	23044	23704	23737	23495	1.66	cps
Cadmium	108-1	13386	13899	13736	13673	1.92	cps
Calcium	43-1	211373	210062	204427	208621	1.77	cps
Calcium	44-1	3378550	3391712	3360663	3376975	0.46	cps
Chromium	52-2	159737	159474	156807	158673	1.02	cps
Cobalt	59-2	269976	269040	266715	268577	0.63	cps
Copper	63-2	383751	382363	382142	382752	0.23	cps
Dysprosium	156-1	42	42	50	44	10.82	cps
Dysprosium	156-2	10	17	27	18	47.19	cps
Erbium	164-1	75	33	25	44	60.28	cps
Erbium	164-2	30	7	17	18	65.83	cps
Gadolinium	160-1	33	33	42	36	13.33	cps
Gadolinium	160-2	177	283	170	210	30.28	cps
Holmium	165-1	14528193	14596824	14574227	14566415	0.24	cps
Holmium	165-2	7402335	7286077	7399356	7362590	0.90	cps
Indium	115-1	11057987	10977137	10830847	10955324	1.05	cps
Indium	115-2	1930541	1928898	1934015	1931151	0.14	cps
Iron	56-2	7198369	7169019	7103518	7156969	0.68	cps
Iron	57-2	175839	176918	175638	176132	0.39	cps
Krypton	83-1	337	300	290	309	7.95	cps
Lead	206-1	592799	601348	602943	599030	0.91	cps
Lead	207-1	542427	547171	547953	545850	0.55	cps
Lead	208-1	2426544	2453545	2465621	2448570	0.82	cps
Lithium	6-1	4715893	4697998	4700186	4704692	0.21	cps
Magnesium	24-2	1492847	1482397	1481962	1485735	0.41	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:51:48	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	202573	201796	199509	201293	0.79	cps
Molybdenum	94-1	1204476	1203489	1201149	1203038	0.14	cps
Molybdenum	95-1	1477029	1472537	1466596	1472054	0.36	cps
Molybdenum	96-1	1628182	1619389	1612185	1619919	0.49	cps
Molybdenum	97-1	920500	913908	914243	916217	0.41	cps
Molybdenum	98-1	2370471	2368454	2356529	2365151	0.32	cps
Neodymium	150-1	80	73	53	69	20.14	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	71486	70890	71413	71263	0.46	cps
Phosphorus	31-2	6418	6627	6510	6518	1.60	cps
Potassium	39-2	592535	592655	586629	590606	0.58	cps
Rhodium	103-1	9716980	9772396	9655538	9714971	0.60	cps
Rhodium	103-2	4272719	4244429	4263813	4260320	0.34	cps
Scandium	45-1	7103270	7073431	6939253	7038651	1.24	cps
Scandium	45-2	254102	252123	252153	252792	0.45	cps
Selenium	77-2	517	493	493	501	2.69	cps
Selenium	78-2	1698	1717	1769	1728	2.11	cps
Selenium	82-1	13479	13277	13501	13419	0.92	cps
Silicon	28-1	690560	697762	697387	695237	0.58	cps
Silver	109-1	830670	831406	833161	831746	0.15	cps
Silver	107-1	852897	852691	855767	853785	0.20	cps
Sodium	23-2	2659998	2637038	2615320	2637452	0.85	cps
Strontium	86-1	207951	204360	206031	206114	0.87	cps
Strontium	88-1	1793493	1760046	1776697	1776745	0.94	cps
Sulfur	34-1	314762	312042	310321	312375	0.72	cps
Terbium	159-1	14816661	14766108	14749354	14777374	0.24	cps
Terbium	159-2	7134858	7049762	7071069	7085229	0.62	cps
Thallium	203-1	720231	725937	726901	724356	0.50	cps
Thallium	205-1	1752540	1763251	1757669	1757820	0.30	cps
Thorium	232-1	2650210	2657330	2695299	2667613	0.91	cps
Tin	118-1	545347	555715	541781	547614	1.32	cps
Titanium	47-1	441948	441345	435718	439670	0.78	cps
Uranium	238-1	2622068	2657090	2659776	2646311	0.80	cps
Vanadium	51-2	125058	124242	123249	124183	0.73	cps
Yttrium	89-1	10987996	10915749	10784971	10896239	0.94	cps
Yttrium	89-2	1361334	1354788	1360590	1358904	0.26	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P7
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:51:48	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	61539	61332	61177	61349	0.30	cps
Zirconium	90-1	1007765	1013544	999634	1006981	0.69	cps
Zirconium	91-1	223856	225337	225957	225050	0.48	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:55:36	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	271446	270385	267382	269738	0.78	cps
Antimony	121-1	1374273	1370852	1356575	1367233	0.69	cps
Arsenic	75-2	36980	37571	36863	37138	1.02	cps
Barium	135-1	1820952	1823983	1805230	1816722	0.55	cps
Barium	137-1	3234158	3201683	3174131	3203324	0.94	cps
Beryllium	9-1	456794	447467	441535	448599	1.71	cps
Bismuth	209-1	10304802	10295310	10312732	10304282	0.08	cps
Bismuth	209-2	5604955	5620991	5472510	5566152	1.46	cps
Boron	10-1	88668	88400	88148	88406	0.29	cps
Boron	11-1	393427	393992	390041	392487	0.54	cps
Cadmium	111-1	427597	428575	422336	426169	0.79	cps
Cadmium	106-1	50064	49145	46703	48637	3.57	cps
Cadmium	108-1	30972	31001	30997	30990	0.05	cps
Calcium	43-1	484707	479840	471359	478635	1.41	cps
Calcium	44-1	7785086	7583737	7528668	7632497	1.77	cps
Chromium	52-2	346812	349076	344263	346717	0.69	cps
Cobalt	59-2	584209	586272	581326	583935	0.43	cps
Copper	63-2	829529	829674	823915	827706	0.40	cps
Dysprosium	156-1	42	33	42	39	12.38	cps
Dysprosium	156-2	27	23	23	24	7.89	cps
Erbium	164-1	33	50	25	36	35.25	cps
Erbium	164-2	23	33	20	26	27.15	cps
Gadolinium	160-1	33	83	58	58	42.86	cps
Gadolinium	160-2	213	203	253	223	11.85	cps
Holmium	165-1	14244797	14107857	13962242	14104965	1.00	cps
Holmium	165-2	6919436	6930937	6726051	6858808	1.68	cps
Indium	115-1	10362346	10220225	10199605	10260725	0.86	cps
Indium	115-2	1727481	1736090	1695925	1719832	1.23	cps
Iron	56-2	15795436	15786633	15624374	15735481	0.61	cps
Iron	57-2	390234	388251	386841	388442	0.44	cps
Krypton	83-1	297	333	253	294	13.60	cps
Lead	206-1	1474714	1482695	1479149	1478853	0.27	cps
Lead	207-1	1346673	1353668	1352494	1350945	0.28	cps
Lead	208-1	6055424	6073595	6043440	6057487	0.25	cps
Lithium	6-1	4371664	4296701	4242338	4303568	1.51	cps
Magnesium	24-2	3299905	3308917	3293612	3300811	0.23	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:55:36	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	443693	445805	444328	444608	0.24	cps
Molybdenum	94-1	2844295	2810879	2780332	2811836	1.14	cps
Molybdenum	95-1	3488152	3444371	3403499	3445341	1.23	cps
Molybdenum	96-1	3850180	3807839	3770141	3809387	1.05	cps
Molybdenum	97-1	2158017	2141802	2108527	2136115	1.18	cps
Molybdenum	98-1	5540589	5571959	5509398	5540649	0.56	cps
Neodymium	150-1	147	113	133	131	12.79	cps
Neodymium	150-2	10	13	0	8	89.21	cps
Nickel	60-2	152635	154301	150897	152611	1.12	cps
Phosphorus	31-2	14991	13524	14541	14352	5.24	cps
Potassium	39-2	1285400	1290932	1275438	1283923	0.61	cps
Rhodium	103-1	8960780	8795422	8697148	8817783	1.51	cps
Rhodium	103-2	3811332	3834243	3706528	3784034	1.80	cps
Scandium	45-1	6452294	6327422	6221341	6333685	1.83	cps
Scandium	45-2	220455	222421	215103	219326	1.73	cps
Selenium	77-2	1193	1260	1180	1211	3.54	cps
Selenium	78-2	3771	3782	3897	3817	1.83	cps
Selenium	82-1	31574	30977	31219	31257	0.96	cps
Silicon	28-1	1275274	1276753	1234279	1262102	1.91	cps
Silver	109-1	1974065	1936430	1904076	1938190	1.81	cps
Silver	107-1	2010409	1977318	1973167	1986965	1.03	cps
Sodium	23-2	5868905	5896342	5834804	5866684	0.53	cps
Strontium	86-1	485641	483244	475041	481309	1.15	cps
Strontium	88-1	4242660	4174586	4138641	4185296	1.26	cps
Sulfur	34-1	391418	381644	374996	382686	2.16	cps
Terbium	159-1	14384121	14305556	14253657	14314445	0.46	cps
Terbium	159-2	6688053	6664121	6453402	6601859	1.96	cps
Thallium	203-1	1795287	1789510	1788013	1790937	0.21	cps
Thallium	205-1	4341248	4348012	4329875	4339712	0.21	cps
Thorium	232-1	6630366	6599194	6572804	6600788	0.44	cps
Tin	118-1	1321356	1314088	1302916	1312787	0.71	cps
Titanium	47-1	1023613	1006602	983443	1004552	2.01	cps
Uranium	238-1	6551894	6538566	6571037	6553832	0.25	cps
Vanadium	51-2	272698	271337	268816	270950	0.73	cps
Yttrium	89-1	10250347	10039627	9975985	10088653	1.42	cps
Yttrium	89-2	1226027	1229594	1184443	1213355	2.07	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P7
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:55:36	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	135269	134529	133588	134462	0.63	cps
Zirconium	90-1	2389220	2344836	2331485	2355180	1.28	cps
Zirconium	91-1	531538	521166	515116	522607	1.59	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:59:24	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	531550	541378	531568	534832	1.06	cps
Antimony	121-1	2640536	2660063	2663962	2654854	0.47	cps
Arsenic	75-2	72995	73581	73386	73320	0.41	cps
Barium	135-1	3519707	3543379	3521288	3528125	0.38	cps
Barium	137-1	6137994	6118543	6105845	6120794	0.26	cps
Beryllium	9-1	837691	836011	832616	835440	0.31	cps
Bismuth	209-1	10048679	10021340	10143093	10071037	0.63	cps
Bismuth	209-2	5452327	5518176	5515234	5495246	0.68	cps
Boron	10-1	162244	167365	170415	166675	2.48	cps
Boron	11-1	725123	743947	759040	742703	2.29	cps
Cadmium	111-1	803720	806681	813738	808047	0.64	cps
Cadmium	106-1	88484	89114	89390	88996	0.52	cps
Cadmium	108-1	60086	59751	59550	59795	0.45	cps
Calcium	43-1	906271	909280	914539	910030	0.46	cps
Calcium	44-1	14514192	14387736	14435625	14445851	0.44	cps
Chromium	52-2	679933	684006	689400	684447	0.69	cps
Cobalt	59-2	1138871	1152348	1152574	1147931	0.68	cps
Copper	63-2	1602546	1624151	1622052	1616250	0.74	cps
Dysprosium	156-1	100	58	108	89	30.13	cps
Dysprosium	156-2	57	73	77	69	15.55	cps
Erbium	164-1	58	42	42	47	20.38	cps
Erbium	164-2	20	20	23	21	9.11	cps
Gadolinium	160-1	42	117	50	69	59.19	cps
Gadolinium	160-2	213	207	193	204	4.98	cps
Holmium	165-1	13902218	14090159	14037241	14009873	0.69	cps
Holmium	165-2	6932477	6972132	6955710	6953439	0.29	cps
Indium	115-1	9788207	9772581	9872744	9811177	0.55	cps
Indium	115-2	1706750	1728088	1731258	1722032	0.77	cps
Iron	56-2	30973912	31139995	31120467	31078125	0.29	cps
Iron	57-2	764577	768434	763584	765532	0.33	cps
Krypton	83-1	227	267	327	273	18.42	cps
Lead	206-1	2916055	2919027	2918329	2917804	0.05	cps
Lead	207-1	2654648	2663495	2672877	2663673	0.34	cps
Lead	208-1	11971653	12010218	12041335	12007735	0.29	cps
Lithium	6-1	4078582	4075126	4098126	4083945	0.30	cps
Magnesium	24-2	6476379	6520684	6506130	6501065	0.35	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:59:24	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	868733	883179	881182	877698	0.89	cps
Molybdenum	94-1	5383736	5384647	5415500	5394628	0.34	cps
Molybdenum	95-1	6457837	6451576	6465679	6458364	0.11	cps
Molybdenum	96-1	7183174	7160612	7160211	7167999	0.18	cps
Molybdenum	97-1	4101007	4097063	4113131	4103734	0.20	cps
Molybdenum	98-1	10412987	10408346	10423004	10414779	0.07	cps
Neodymium	150-1	333	307	287	309	7.58	cps
Neodymium	150-2	53	17	50	40	50.68	cps
Nickel	60-2	298028	298735	297902	298221	0.15	cps
Phosphorus	31-2	28386	27810	27910	28036	1.10	cps
Potassium	39-2	2505687	2537865	2539752	2527768	0.76	cps
Rhodium	103-1	8269111	8274393	8316967	8286824	0.32	cps
Rhodium	103-2	3705932	3744275	3772073	3740760	0.89	cps
Scandium	45-1	5934936	6012922	6022924	5990261	0.80	cps
Scandium	45-2	218489	221975	223350	221271	1.13	cps
Selenium	77-2	2334	2200	2197	2244	3.48	cps
Selenium	78-2	7333	7454	7521	7436	1.28	cps
Selenium	82-1	59674	59753	59381	59603	0.33	cps
Silicon	28-1	2157654	2149864	2176572	2161363	0.64	cps
Silver	109-1	3659877	3663720	3653200	3658933	0.15	cps
Silver	107-1	3740291	3766147	3771841	3759426	0.45	cps
Sodium	23-2	11647583	11699092	11727146	11691274	0.35	cps
Strontium	86-1	920036	918407	922613	920352	0.23	cps
Strontium	88-1	7873692	7853267	7877381	7868113	0.17	cps
Sulfur	34-1	531261	530066	528679	530002	0.24	cps
Terbium	159-1	13981604	14199857	14153843	14111768	0.82	cps
Terbium	159-2	6618687	6674972	6701486	6665048	0.63	cps
Thallium	203-1	3602844	3597974	3565825	3588881	0.56	cps
Thallium	205-1	8383874	8369825	8321603	8358434	0.39	cps
Thorium	232-1	13318038	13272248	13357759	13316015	0.32	cps
Tin	118-1	2541713	2556330	2562164	2553402	0.41	cps
Titanium	47-1	1893819	1906460	1897830	1899370	0.34	cps
Uranium	238-1	13154563	13107783	13116445	13126264	0.19	cps
Vanadium	51-2	533026	540785	540100	537970	0.80	cps
Yttrium	89-1	9614208	9655394	9638364	9635989	0.21	cps
Yttrium	89-2	1205517	1218743	1212681	1212314	0.55	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P7
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 13:59:24	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	258883	260760	260658	260101	0.41	cps
Zirconium	90-1	4515494	4509976	4517974	4514481	0.09	cps
Zirconium	91-1	1005038	1002530	1011444	1006337	0.46	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : S06 Instrumnet Name : P7
 Client Sample ID : S06 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:03:11 DataFile Name : 012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1079510	1084676	1083107	1082431	0.24	cps
Antimony	121-1	5143422	5260117	5292981	5232173	1.50	cps
Arsenic	75-2	147599	149238	149719	148852	0.75	cps
Barium	135-1	6843549	6903723	6919223	6888831	0.58	cps
Barium	137-1	12280021	12223240	12303692	12268985	0.34	cps
Beryllium	9-1	1635354	1646541	1642898	1641598	0.35	cps
Bismuth	209-1	10078342	10090358	10179187	10115962	0.54	cps
Bismuth	209-2	5468669	5507287	5505881	5493946	0.40	cps
Boron	10-1	327676	337616	344821	336705	2.56	cps
Boron	11-1	1446484	1505095	1536086	1495889	3.04	cps
Cadmium	111-1	1699191	1711064	1711723	1707326	0.41	cps
Cadmium	106-1	180967	183904	184824	183232	1.10	cps
Cadmium	108-1	124750	126121	127879	126250	1.24	cps
Calcium	43-1	1802861	1820050	1825913	1816274	0.66	cps
Calcium	44-1	28893062	29226177	29130678	29083306	0.59	cps
Chromium	52-2	1386117	1389864	1403899	1393293	0.67	cps
Cobalt	59-2	2307412	2321572	2325083	2318022	0.40	cps
Copper	63-2	3209444	3224902	3245379	3226575	0.56	cps
Dysprosium	156-1	58	133	108	100	38.19	cps
Dysprosium	156-2	123	93	133	117	17.84	cps
Erbium	164-1	50	75	100	75	33.33	cps
Erbium	164-2	13	33	23	23	42.86	cps
Gadolinium	160-1	75	42	67	61	28.38	cps
Gadolinium	160-2	223	183	290	232	23.20	cps
Holmium	165-1	14334989	14426263	14512937	14424730	0.62	cps
Holmium	165-2	7147116	7167380	7151560	7155352	0.15	cps
Indium	115-1	9894100	9862129	9859970	9872066	0.19	cps
Indium	115-2	1750669	1748139	1756875	1751894	0.26	cps
Iron	56-2	62784899	62763635	63074215	62874250	0.28	cps
Iron	57-2	1551033	1551029	1559097	1553720	0.30	cps
Krypton	83-1	260	293	233	262	11.46	cps
Lead	206-1	5653721	5725253	5806871	5728615	1.34	cps
Lead	207-1	5195828	5239195	5295796	5243606	0.96	cps
Lead	208-1	23261462	23344896	23522852	23376404	0.57	cps
Lithium	6-1	4178380	4199747	4198119	4192082	0.28	cps
Magnesium	24-2	13199582	13130246	13110787	13146872	0.36	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:03:11	DataFile Name :	012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1775133	1789342	1787516	1783997	0.43	cps
Molybdenum	94-1	10636638	10683148	10693978	10671255	0.29	cps
Molybdenum	95-1	13030656	13067623	13099072	13065784	0.26	cps
Molybdenum	96-1	14493975	14473691	14449512	14472393	0.15	cps
Molybdenum	97-1	8128405	8122430	8109256	8120030	0.12	cps
Molybdenum	98-1	20883311	21137913	21113748	21044991	0.67	cps
Neodymium	150-1	593	653	633	627	4.87	cps
Neodymium	150-2	70	70	43	61	25.20	cps
Nickel	60-2	596011	601818	601233	599687	0.53	cps
Phosphorus	31-2	56040	57253	57277	56856	1.24	cps
Potassium	39-2	5140641	5115987	5114418	5123682	0.29	cps
Rhodium	103-1	8263092	8388000	8432122	8361072	1.05	cps
Rhodium	103-2	3787828	3807662	3807224	3800905	0.30	cps
Scandium	45-1	6174461	6242936	6208428	6208608	0.55	cps
Scandium	45-2	232407	234167	233914	233496	0.41	cps
Selenium	77-2	4387	4454	4397	4413	0.81	cps
Selenium	78-2	15062	14819	15453	15111	2.12	cps
Selenium	82-1	114752	116410	116834	115999	0.95	cps
Silicon	28-1	4091193	4156486	4186447	4144709	1.18	cps
Silver	109-1	7209404	7262836	7269064	7247101	0.45	cps
Silver	107-1	7433435	7565650	7525347	7508144	0.90	cps
Sodium	23-2	23785086	23762211	23782806	23776701	0.05	cps
Strontium	86-1	1818934	1856278	1856664	1843959	1.18	cps
Strontium	88-1	15767960	15938697	15991878	15899512	0.74	cps
Sulfur	34-1	866090	876123	876479	872897	0.68	cps
Terbium	159-1	14454301	14467664	14528553	14483506	0.27	cps
Terbium	159-2	6862652	6841632	6865736	6856673	0.19	cps
Thallium	203-1	6869714	6959792	6951618	6927041	0.72	cps
Thallium	205-1	16683581	16643077	16761415	16696024	0.36	cps
Thorium	232-1	26461351	26828003	26842058	26710471	0.81	cps
Tin	118-1	4978438	5028565	5062551	5023185	0.84	cps
Titanium	47-1	3780287	3833780	3847325	3820464	0.93	cps
Uranium	238-1	26246789	26250361	26118585	26205245	0.29	cps
Vanadium	51-2	1100949	1112947	1115759	1109885	0.71	cps
Yttrium	89-1	9850263	9903979	9983042	9912428	0.67	cps
Yttrium	89-2	1259916	1259594	1261708	1260406	0.09	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P7
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:03:11	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	549580	551117	556666	552454	0.67	cps
Zirconium	90-1	8899210	8932859	9033009	8955026	0.78	cps
Zirconium	91-1	1995624	2018314	2044098	2019345	1.20	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : S07 Instrumnet Name : P7
 Client Sample ID : S07 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:11:09 DataFile Name : 014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2253484	2304124	2284663	2280757	1.12	cps
Antimony	121-1	10310480	10460837	10432820	10401379	0.77	cps
Arsenic	75-2	304269	306472	307734	306159	0.57	cps
Barium	135-1	14129169	14358760	14318601	14268843	0.86	cps
Barium	137-1	25071184	25479978	25545266	25365476	1.01	cps
Beryllium	9-1	3269041	3296904	3300286	3288744	0.52	cps
Bismuth	209-1	9956948	10021334	10077601	10018627	0.60	cps
Bismuth	209-2	5360331	5549202	5445572	5451701	1.73	cps
Boron	10-1	672137	692091	708752	690993	2.65	cps
Boron	11-1	3039656	3096850	3191665	3109390	2.47	cps
Cadmium	111-1	3347352	3377207	3411198	3378586	0.95	cps
Cadmium	106-1	355964	360370	356812	357715	0.65	cps
Cadmium	108-1	246102	247654	251112	248289	1.03	cps
Calcium	43-1	3756569	3820510	3845142	3807407	1.20	cps
Calcium	44-1	60357595	61121781	61222262	60900546	0.78	cps
Chromium	52-2	2921202	2934785	2954181	2936722	0.56	cps
Cobalt	59-2	4807532	4838328	4864247	4836702	0.59	cps
Copper	63-2	6558509	6562531	6593594	6571544	0.29	cps
Dysprosium	156-1	150	325	283	253	36.16	cps
Dysprosium	156-2	297	233	230	253	14.83	cps
Erbium	164-1	42	50	67	53	24.12	cps
Erbium	164-2	40	13	23	26	52.73	cps
Gadolinium	160-1	100	92	150	114	27.70	cps
Gadolinium	160-2	267	267	250	261	3.68	cps
Holmium	165-1	14780977	14858138	15103243	14914119	1.13	cps
Holmium	165-2	7283858	7482623	7306466	7357649	1.48	cps
Indium	115-1	10090760	10062608	10275882	10143083	1.14	cps
Indium	115-2	1748069	1824356	1775906	1782777	2.17	cps
Iron	56-2	131050239	131572606	131655784	131426209	0.25	cps
Iron	57-2	3193099	3241074	3234118	3222764	0.80	cps
Krypton	83-1	303	287	347	312	9.92	cps
Lead	206-1	11340133	11417935	11404138	11387402	0.36	cps
Lead	207-1	10323205	10403569	10435428	10387401	0.56	cps
Lead	208-1	46247590	46557928	46698657	46501392	0.50	cps
Lithium	6-1	4294172	4316558	4396147	4335626	1.24	cps
Magnesium	24-2	27300251	27669476	27657013	27542246	0.76	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:11:09	DataFile Name :	014CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3692388	3741699	3740622	3724903	0.76	cps
Molybdenum	94-1	22189269	22452330	22483857	22375152	0.72	cps
Molybdenum	95-1	27190958	27491429	27488216	27390201	0.63	cps
Molybdenum	96-1	30123820	30666849	30587740	30459470	0.96	cps
Molybdenum	97-1	16984145	17112375	17059357	17051959	0.38	cps
Molybdenum	98-1	43828352	44421581	43872271	44040735	0.75	cps
Neodymium	150-1	1187	980	1227	1131	11.70	cps
Neodymium	150-2	93	87	63	81	19.42	cps
Nickel	60-2	1213340	1229097	1227423	1223287	0.71	cps
Phosphorus	31-2	117014	119962	120552	119176	1.59	cps
Potassium	39-2	10723919	10941198	10847609	10837575	1.01	cps
Rhodium	103-1	8527200	8613661	8695902	8612254	0.98	cps
Rhodium	103-2	3791743	3965922	3897303	3884989	2.26	cps
Scandium	45-1	6459202	6540779	6647663	6549215	1.44	cps
Scandium	45-2	245134	254334	250407	249958	1.85	cps
Selenium	77-2	8716	8783	8890	8796	0.99	cps
Selenium	78-2	29656	30512	30157	30108	1.43	cps
Selenium	82-1	228822	231973	232818	231205	0.91	cps
Silicon	28-1	7590437	7668264	7763075	7673925	1.13	cps
Silver	109-1	14657365	14619331	14634454	14637050	0.13	cps
Silver	107-1	15104263	15092548	15107796	15101535	0.05	cps
Sodium	23-2	49944200	50471755	50487734	50301230	0.61	cps
Strontium	86-1	3775472	3835641	3813663	3808259	0.80	cps
Strontium	88-1	32860197	33065043	33101056	33008765	0.39	cps
Sulfur	34-1	1596457	1613525	1618977	1609653	0.73	cps
Terbium	159-1	14874084	15034082	15159490	15022552	0.95	cps
Terbium	159-2	7012113	7203512	7043901	7086509	1.45	cps
Thallium	203-1	13873358	13984575	13970913	13942949	0.44	cps
Thallium	205-1	33300404	33457499	33649951	33469284	0.52	cps
Thorium	232-1	53997918	54349240	53832955	54060038	0.49	cps
Tin	118-1	10080306	10167908	10220641	10156285	0.70	cps
Titanium	47-1	7890392	7974686	7996545	7953874	0.70	cps
Uranium	238-1	52732341	52982653	53021625	52912206	0.30	cps
Vanadium	51-2	2343061	2365350	2370624	2359678	0.62	cps
Yttrium	89-1	10363766	10407305	10571523	10447531	1.05	cps
Yttrium	89-2	1295026	1361720	1329961	1328902	2.51	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P7
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:11:09	DataFile Name :	014CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	1176900	1184766	1194675	1185447	0.75	cps
Zirconium	90-1	18709401	18818691	18869734	18799275	0.44	cps
Zirconium	91-1	4169309	4216585	4254982	4213625	1.02	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : S08 Instrumnet Name : P7
 Client Sample ID : S08 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:14:53 DataFile Name : 015CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12186280	12292078	12426580	12301646	0.98	cps
Antimony	121-1	10855	10729	10680	10755	0.84	cps
Arsenic	75-2	413	333	387	378	10.75	cps
Barium	135-1	2184	2159	2184	2175	0.66	cps
Barium	137-1	4059	3992	3767	3940	3.88	cps
Beryllium	9-1	433	450	383	422	8.22	cps
Bismuth	209-1	8392630	8438013	8398289	8409644	0.29	cps
Bismuth	209-2	4448231	4455944	4490357	4464844	0.50	cps
Boron	10-1	29680	27083	24479	27081	9.60	cps
Boron	11-1	134057	118637	111736	121476	9.41	cps
Cadmium	111-1	2565	2793	2661	2673	4.28	cps
Cadmium	106-1	3342	3567	3484	3464	3.28	cps
Cadmium	108-1	71	83	88	81	10.77	cps
Calcium	43-1	19252003	19360258	19479348	19363869	0.59	cps
Calcium	44-1	310625765	312938357	317182599	313582240	1.06	cps
Chromium	52-2	45316	45637	46236	45730	1.02	cps
Cobalt	59-2	57877	58058	58660	58198	0.70	cps
Copper	63-2	9080	8823	9256	9053	2.41	cps
Dysprosium	156-1	92	125	67	94	30.99	cps
Dysprosium	156-2	57	83	43	61	33.33	cps
Erbium	164-1	58	83	42	61	34.32	cps
Erbium	164-2	27	33	37	32	15.80	cps
Gadolinium	160-1	100	58	117	92	32.77	cps
Gadolinium	160-2	200	213	233	216	7.78	cps
Holmium	165-1	14108003	14109250	14047123	14088125	0.25	cps
Holmium	165-2	6981848	6990717	7003955	6992173	0.16	cps
Indium	115-1	9558788	9576384	9589040	9574737	0.16	cps
Indium	115-2	1714884	1726418	1722189	1721163	0.34	cps
Iron	56-2	651693615	655498126	661017037	656069592	0.71	cps
Iron	57-2	16046717	16081936	16160769	16096474	0.36	cps
Krypton	83-1	383	460	463	436	10.39	cps
Lead	206-1	11917	12239	11611	11922	2.64	cps
Lead	207-1	10260	9832	9848	9980	2.43	cps
Lead	208-1	47301	47585	46656	47181	1.01	cps
Lithium	6-1	4234983	4255131	4313833	4267982	0.96	cps
Magnesium	24-2	136634749	138217349	138952520	137934873	0.86	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:14:53	DataFile Name :	015CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	21296	22324	21947	21855	2.38	cps
Molybdenum	94-1	16360	16318	15818	16165	1.87	cps
Molybdenum	95-1	24481	24146	23570	24066	1.91	cps
Molybdenum	96-1	36264	34593	35805	35554	2.43	cps
Molybdenum	97-1	14325	14049	13916	14096	1.48	cps
Molybdenum	98-1	36029	34025	33783	34612	3.56	cps
Neodymium	150-1	200	233	213	216	7.78	cps
Neodymium	150-2	67	73	93	78	17.85	cps
Nickel	60-2	22681	23128	22648	22819	1.18	cps
Phosphorus	31-2	100	167	142	136	24.74	cps
Potassium	39-2	58138708	58799545	59287943	58742065	0.98	cps
Rhodium	103-1	7598644	7640646	7656939	7632076	0.39	cps
Rhodium	103-2	3440229	3461050	3474107	3458462	0.49	cps
Scandium	45-1	6411314	6527105	6520644	6486354	1.00	cps
Scandium	45-2	259246	258909	261187	259780	0.47	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	52	54	39	48	16.76	cps
Selenium	82-1	176	26	40	81	102.08	cps
Silicon	28-1	346472	342264	343106	343948	0.65	cps
Silver	109-1	1000	792	858	883	12.05	cps
Silver	107-1	967	850	825	881	8.59	cps
Sodium	23-2	269855248	270914964	273914931	271561714	0.78	cps
Strontium	86-1	17370	17628	17812	17603	1.26	cps
Strontium	88-1	141811	144622	145632	144022	1.37	cps
Sulfur	34-1	192436	196310	201248	196665	2.25	cps
Terbium	159-1	14151108	14321127	14224836	14232357	0.60	cps
Terbium	159-2	6698397	6704336	6729186	6710639	0.24	cps
Thallium	203-1	2284	2467	2484	2411	4.60	cps
Thallium	205-1	6077	6285	6010	6124	2.34	cps
Thorium	232-1	6274	5935	5590	5933	5.76	cps
Tin	118-1	9320	9329	9037	9228	1.80	cps
Titanium	47-1	4167	4142	4376	4229	3.03	cps
Uranium	238-1	3009	2909	2667	2862	6.14	cps
Vanadium	51-2	460	377	380	406	11.63	cps
Yttrium	89-1	9960755	9996707	10023572	9993678	0.32	cps
Yttrium	89-2	1304075	1312659	1313466	1310067	0.40	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P7
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:14:53	DataFile Name :	015CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	7886	7862	8132	7960	1.88	cps
Zirconium	90-1	8244	7911	7919	8025	2.37	cps
Zirconium	91-1	1642	1784	1717	1714	4.14	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : ICV Instrumnet Name : P7
 Client Sample ID : ICV Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:21:59 DataFile Name : 016ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	67378	65812	65594	66261	1.47	cps
Antimony	121-1	2336416	2334518	2331051	2333995	0.12	cps
Arsenic	75-2	73484	72911	73384	73260	0.42	cps
Barium	135-1	312899	309307	312295	311500	0.62	cps
Barium	137-1	544806	551979	552992	549926	0.81	cps
Beryllium	9-1	400274	400367	401331	400657	0.15	cps
Bismuth	209-1	11708124	11558597	11583419	11616714	0.69	cps
Bismuth	209-2	6495176	6440629	6502807	6479537	0.52	cps
Boron	10-1	9195	8870	9070	9045	1.81	cps
Boron	11-1	41257	39318	39645	40073	2.59	cps
Cadmium	111-1	371208	370046	368411	369888	0.38	cps
Cadmium	106-1	36815	37192	36298	36768	1.22	cps
Cadmium	108-1	29017	28855	28650	28841	0.64	cps
Calcium	43-1	88624	88380	88071	88358	0.31	cps
Calcium	44-1	1427132	1419712	1421955	1422933	0.27	cps
Chromium	52-2	335139	334074	339438	336217	0.84	cps
Cobalt	59-2	580915	580839	578297	580017	0.26	cps
Copper	63-2	415975	416573	415841	416130	0.09	cps
Dysprosium	156-1	33	33	8	25	57.74	cps
Dysprosium	156-2	10	20	20	17	34.64	cps
Erbium	164-1	67	92	175	111	51.05	cps
Erbium	164-2	30	67	60	52	37.40	cps
Gadolinium	160-1	100	58	75	78	26.96	cps
Gadolinium	160-2	193	240	240	224	12.00	cps
Holmium	165-1	16052919	16030058	15890364	15991114	0.55	cps
Holmium	165-2	8084522	8059651	8023841	8056004	0.38	cps
Indium	115-1	12107886	12104592	12010310	12074263	0.46	cps
Indium	115-2	2167095	2156332	2169300	2164242	0.32	cps
Iron	56-2	3106403	3105091	3122073	3111189	0.30	cps
Iron	57-2	77174	77438	79201	77938	1.41	cps
Krypton	83-1	323	323	323	323	0.00	cps
Lead	206-1	2503930	2463097	2481867	2482964	0.82	cps
Lead	207-1	2189254	2173576	2169986	2177605	0.47	cps
Lead	208-1	10072556	9930989	9963889	9989145	0.74	cps
Lithium	6-1	5216697	5179144	5206132	5200658	0.37	cps
Magnesium	24-2	374556	379825	375886	376756	0.73	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P7
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:21:59	DataFile Name :	016ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	211127	211849	212120	211699	0.24	cps
Molybdenum	94-1	8676290	8683828	8597928	8652682	0.55	cps
Molybdenum	95-1	15387657	15290177	15362218	15346684	0.33	cps
Molybdenum	96-1	16432262	16265600	16319755	16339206	0.52	cps
Molybdenum	97-1	9518863	9492925	9473251	9495013	0.24	cps
Molybdenum	98-1	24655309	24532666	24672877	24620284	0.31	cps
Neodymium	150-1	13	47	40	33	52.92	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	152005	153107	154276	153129	0.74	cps
Phosphorus	31-2	108	125	125	119	8.06	cps
Potassium	39-2	518281	521109	519583	519658	0.27	cps
Rhodium	103-1	10695476	10674823	10723993	10698098	0.23	cps
Rhodium	103-2	4792913	4804730	4833906	4810516	0.44	cps
Scandium	45-1	7840679	7826028	7813844	7826850	0.17	cps
Scandium	45-2	293508	293511	292552	293191	0.19	cps
Selenium	77-2	2014	2107	2247	2122	5.53	cps
Selenium	78-2	7474	7432	7584	7496	1.05	cps
Selenium	82-1	57481	57370	56781	57211	0.66	cps
Silicon	28-1	242995	243127	245424	243849	0.56	cps
Silver	109-1	1716551	1720828	1713173	1716851	0.22	cps
Silver	107-1	1778628	1776657	1772803	1776029	0.17	cps
Sodium	23-2	1169539	1177967	1167997	1171835	0.46	cps
Strontium	86-1	10663	10646	10329	10546	1.78	cps
Strontium	88-1	86050	85027	86754	85943	1.01	cps
Sulfur	34-1	231639	231529	224796	229322	1.71	cps
Terbium	159-1	16360634	16135431	16115121	16203729	0.84	cps
Terbium	159-2	7789943	7782307	7795999	7789417	0.09	cps
Thallium	203-1	3069772	3058045	3066861	3064893	0.20	cps
Thallium	205-1	7384497	7342210	7304867	7343858	0.54	cps
Thorium	232-1	1317	1445	1156	1306	11.09	cps
Tin	118-1	1325	1342	1300	1322	1.59	cps
Titanium	47-1	383	375	317	358	10.14	cps
Uranium	238-1	550	600	567	572	4.45	cps
Vanadium	51-2	267743	264580	266877	266400	0.61	cps
Yttrium	89-1	12079686	11990320	11977764	12015923	0.46	cps
Yttrium	89-2	1543959	1533675	1538849	1538828	0.33	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P7
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:21:59	DataFile Name :	016ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	131109	131724	132245	131693	0.43	cps
Zirconium	90-1	942	908	1025	958	6.27	cps
Zirconium	91-1	558	542	625	575	7.67	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P7
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:29:24 DataFile Name : 018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	42	42	33	43.30	cps
Antimony	121-1	642	433	525	533	19.58	cps
Arsenic	75-2	9	20	13	14	39.85	cps
Barium	135-1	83	83	142	103	32.76	cps
Barium	137-1	183	217	158	186	15.73	cps
Beryllium	9-1	189	172	200	187	7.48	cps
Bismuth	209-1	11620199	11656148	11612760	11629702	0.20	cps
Bismuth	209-2	6407833	6525325	6489120	6474093	0.93	cps
Boron	10-1	6677	6410	6368	6485	2.58	cps
Boron	11-1	29530	28411	28369	28770	2.29	cps
Cadmium	111-1	2987	3091	3264	3114	4.50	cps
Cadmium	106-1	4242	4376	4584	4401	3.91	cps
Cadmium	108-1	29	8	17	18	58.09	cps
Calcium	43-1	142	167	208	172	19.56	cps
Calcium	44-1	4459	4501	4142	4368	4.49	cps
Chromium	52-2	910	950	940	933	2.23	cps
Cobalt	59-2	133	153	130	139	9.09	cps
Copper	63-2	273	257	253	261	4.10	cps
Dysprosium	156-1	0	17	42	19	107.85	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	42	67	58	56	22.91	cps
Erbium	164-2	7	23	23	18	54.11	cps
Gadolinium	160-1	58	42	75	58	28.57	cps
Gadolinium	160-2	290	233	243	256	11.84	cps
Holmium	165-1	15885970	16065213	15818505	15923229	0.80	cps
Holmium	165-2	8142405	8170634	8107416	8140152	0.39	cps
Indium	115-1	12164363	12320572	12181044	12221993	0.70	cps
Indium	115-2	2185293	2173178	2198863	2185778	0.59	cps
Iron	56-2	4206	4162	4317	4229	1.90	cps
Iron	57-2	89	111	122	107	15.80	cps
Krypton	83-1	343	383	347	358	6.20	cps
Lead	206-1	1106	1222	1195	1174	5.19	cps
Lead	207-1	989	983	1033	1002	2.74	cps
Lead	208-1	4556	4612	4645	4604	0.98	cps
Lithium	6-1	5264108	5321422	5279137	5288222	0.56	cps
Magnesium	24-2	483	350	500	444	18.50	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P7
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:29:24	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	70	83	60	71	16.47	cps
Molybdenum	94-1	758	642	725	708	8.48	cps
Molybdenum	95-1	767	950	1000	906	13.57	cps
Molybdenum	96-1	1017	942	892	950	6.62	cps
Molybdenum	97-1	583	525	500	536	7.98	cps
Molybdenum	98-1	1508	1392	1375	1425	5.10	cps
Neodymium	150-1	0	7	7	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	63	40	70	58	27.26	cps
Phosphorus	31-2	67	75	100	81	21.53	cps
Potassium	39-2	11638	11155	11505	11433	2.19	cps
Rhodium	103-1	10868773	10987092	10858813	10904893	0.65	cps
Rhodium	103-2	4889718	4890721	4907283	4895907	0.20	cps
Scandium	45-1	7915609	7983858	8007864	7969110	0.60	cps
Scandium	45-2	299095	301517	298486	299699	0.53	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	57	43	52	51	14.79	cps
Selenium	82-1	-36	-56	18	-25	-153.14	cps
Silicon	28-1	220671	222378	223680	222243	0.68	cps
Silver	109-1	192	200	308	233	27.89	cps
Silver	107-1	275	308	325	303	8.41	cps
Sodium	23-2	15141	15392	14958	15164	1.44	cps
Strontium	86-1	592	625	500	572	11.31	cps
Strontium	88-1	292	167	200	219	29.50	cps
Sulfur	34-1	232409	232810	234201	233140	0.40	cps
Terbium	159-1	16220798	16343364	16200478	16254880	0.48	cps
Terbium	159-2	7909322	7877670	7815368	7867453	0.61	cps
Thallium	203-1	917	908	892	906	1.41	cps
Thallium	205-1	2475	2109	2317	2300	8.00	cps
Thorium	232-1	778	694	594	689	13.33	cps
Tin	118-1	833	800	725	786	7.06	cps
Titanium	47-1	83	75	100	86	14.78	cps
Uranium	238-1	108	83	150	114	29.57	cps
Vanadium	51-2	7	13	10	10	33.30	cps
Yttrium	89-1	12105105	12180545	12095052	12126901	0.39	cps
Yttrium	89-2	1566028	1573267	1565254	1568183	0.28	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P7
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:29:24	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	543	463	500	502	7.97	cps
Zirconium	90-1	667	683	792	714	9.51	cps
Zirconium	91-1	108	183	175	156	26.43	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : ICSA Instrumnet Name : P7
 Client Sample ID : ICSA Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:32:59 DataFile Name : 019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10902324	10843749	10866211	10870761	0.27	cps
Antimony	121-1	13148	12740	13090	12993	1.70	cps
Arsenic	75-2	131	120	117	123	6.27	cps
Barium	135-1	3726	4743	4126	4198	12.20	cps
Barium	137-1	7578	7394	7494	7488	1.23	cps
Beryllium	9-1	1089	1111	1067	1089	2.04	cps
Bismuth	209-1	9995620	10070861	9998776	10021752	0.42	cps
Bismuth	209-2	5470947	5524846	5512776	5502856	0.51	cps
Boron	10-1	5134	5018	5034	5062	1.25	cps
Boron	11-1	21825	21666	21349	21613	1.12	cps
Cadmium	111-1	3816	4310	3669	3932	8.55	cps
Cadmium	106-1	3709	3717	3501	3642	3.37	cps
Cadmium	108-1	2692	2388	2713	2598	7.00	cps
Calcium	43-1	3786665	3817124	3824223	3809337	0.52	cps
Calcium	44-1	61758637	61446031	61834310	61679659	0.33	cps
Chromium	52-2	59506	60524	59928	59986	0.85	cps
Cobalt	59-2	6161	6028	5985	6058	1.52	cps
Copper	63-2	25810	26237	26594	26214	1.50	cps
Dysprosium	156-1	25	58	100	61	61.49	cps
Dysprosium	156-2	27	43	13	28	54.11	cps
Erbium	164-1	142	75	83	100	36.32	cps
Erbium	164-2	67	70	60	66	7.77	cps
Gadolinium	160-1	92	142	100	111	24.11	cps
Gadolinium	160-2	233	297	233	254	14.37	cps
Holmium	165-1	15300798	15286814	15197611	15261741	0.37	cps
Holmium	165-2	7688481	7708894	7702825	7700067	0.14	cps
Indium	115-1	10652036	10691780	10640356	10661391	0.25	cps
Indium	115-2	1902789	1924624	1934728	1920714	0.85	cps
Iron	56-2	268111934	267253062	269143150	268169382	0.35	cps
Iron	57-2	6564343	6536876	6555252	6552157	0.21	cps
Krypton	83-1	307	337	290	311	7.60	cps
Lead	206-1	53084	52956	53179	53073	0.21	cps
Lead	207-1	42307	41582	41749	41879	0.91	cps
Lead	208-1	199696	199963	200622	200094	0.24	cps
Lithium	6-1	4581105	4608874	4605885	4598621	0.33	cps
Magnesium	24-2	26777522	26915928	26796767	26830072	0.28	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P7
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:32:59	DataFile Name :	019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	14864	15432	15542	15279	2.38	cps
Molybdenum	94-1	6033028	6019904	6094883	6049271	0.66	cps
Molybdenum	95-1	10690881	10748500	10799791	10746391	0.51	cps
Molybdenum	96-1	11474390	11550303	11524108	11516267	0.33	cps
Molybdenum	97-1	6690154	6771688	6648018	6703287	0.94	cps
Molybdenum	98-1	17211260	17471719	17209642	17297540	0.87	cps
Neodymium	150-1	60	73	47	60	22.22	cps
Neodymium	150-2	10	20	20	17	34.64	cps
Nickel	60-2	6712	6978	6988	6893	2.28	cps
Phosphorus	31-2	597718	603515	601801	601011	0.50	cps
Potassium	39-2	22742236	22777073	22795750	22771686	0.12	cps
Rhodium	103-1	8925542	8996688	8991656	8971295	0.44	cps
Rhodium	103-2	3994864	4062806	4072685	4043452	1.05	cps
Scandium	45-1	6964759	6914090	6976235	6951695	0.48	cps
Scandium	45-2	266051	266777	265855	266228	0.18	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	52	48	41	47	12.06	cps
Selenium	82-1	75	42	105	74	42.35	cps
Silicon	28-1	384981	383866	386054	384967	0.28	cps
Silver	109-1	1633	2042	2092	1922	13.08	cps
Silver	107-1	1750	1950	1909	1870	5.64	cps
Sodium	23-2	51627261	51530218	51446878	51534786	0.18	cps
Strontium	86-1	133020	129530	128848	130466	1.72	cps
Strontium	88-1	1120120	1127635	1132573	1126776	0.56	cps
Sulfur	34-1	6551542	6571366	6671249	6598053	0.97	cps
Terbium	159-1	15286086	15402767	15385163	15358005	0.41	cps
Terbium	159-2	7404733	7411561	7447211	7421168	0.31	cps
Thallium	203-1	2567	2759	3284	2870	12.93	cps
Thallium	205-1	5843	6152	7728	6574	15.37	cps
Thorium	232-1	978	833	839	883	9.27	cps
Tin	118-1	2450	2500	2700	2550	5.19	cps
Titanium	47-1	3259705	3284463	3293501	3279223	0.53	cps
Uranium	238-1	942	750	900	864	11.67	cps
Vanadium	51-2	390	410	483	428	11.49	cps
Yttrium	89-1	10851869	10847911	10888938	10862906	0.21	cps
Yttrium	89-2	1396298	1425008	1417670	1412992	1.06	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P7
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:32:59	DataFile Name :	019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	6752	6942	6775	6823	1.52	cps
Zirconium	90-1	1083	1283	925	1097	16.37	cps
Zirconium	91-1	242	275	258	258	6.45	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P7
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:36:35 DataFile Name : 020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11358736	11351202	11473101	11394346	0.60	cps
Antimony	121-1	226109	226565	227938	226871	0.42	cps
Arsenic	75-2	6455	6522	6418	6465	0.81	cps
Barium	135-1	64040	65162	65137	64779	0.99	cps
Barium	137-1	112326	115183	115594	114368	1.56	cps
Beryllium	9-1	71435	70910	71451	71265	0.43	cps
Bismuth	209-1	10143110	10311269	10292941	10249107	0.90	cps
Bismuth	209-2	5541185	5618531	5677640	5612452	1.22	cps
Boron	10-1	46154	47425	49708	47763	3.77	cps
Boron	11-1	205520	214147	213294	210987	2.25	cps
Cadmium	111-1	63970	65862	65378	65070	1.51	cps
Cadmium	106-1	9362	9587	8978	9309	3.31	cps
Cadmium	108-1	6377	6931	6906	6738	4.65	cps
Calcium	43-1	3934463	4011342	4027319	3991042	1.24	cps
Calcium	44-1	64147062	64220454	65229739	64532418	0.94	cps
Chromium	52-2	124967	124793	126302	125354	0.66	cps
Cobalt	59-2	109038	110109	109746	109631	0.50	cps
Copper	63-2	98300	98985	98572	98619	0.35	cps
Dysprosium	156-1	75	67	100	81	21.54	cps
Dysprosium	156-2	33	27	17	26	32.81	cps
Erbium	164-1	125	142	92	119	21.31	cps
Erbium	164-2	30	53	50	44	28.39	cps
Gadolinium	160-1	142	150	142	144	3.33	cps
Gadolinium	160-2	277	313	257	282	10.18	cps
Holmium	165-1	15487302	15940464	15666661	15698143	1.45	cps
Holmium	165-2	7820980	7856642	7929485	7869035	0.70	cps
Indium	115-1	10838484	11004333	11010211	10951010	0.89	cps
Indium	115-2	1943485	1963516	1985248	1964083	1.06	cps
Iron	56-2	278512317	280851990	281744273	280369527	0.60	cps
Iron	57-2	6789783	6834627	6881204	6835205	0.67	cps
Krypton	83-1	323	347	317	329	4.79	cps
Lead	206-1	283264	287818	292323	287802	1.57	cps
Lead	207-1	240052	245145	245346	243514	1.23	cps
Lead	208-1	1106799	1131099	1133786	1123895	1.32	cps
Lithium	6-1	4666693	4716562	4735941	4706399	0.76	cps
Magnesium	24-2	28107911	28065175	28273114	28148733	0.39	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P7
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:36:35 DataFile Name : 020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	54487	55069	56428	55328	1.80	cps
Molybdenum	94-1	6466692	6511024	6573257	6516991	0.82	cps
Molybdenum	95-1	11421768	11579170	11604243	11535061	0.86	cps
Molybdenum	96-1	12256737	12341763	12396172	12331557	0.57	cps
Molybdenum	97-1	7142995	7188582	7225962	7185847	0.58	cps
Molybdenum	98-1	18474593	18697636	18723349	18631859	0.73	cps
Neodymium	150-1	60	80	60	67	17.32	cps
Neodymium	150-2	13	13	13	13	0.00	cps
Nickel	60-2	33545	33194	33652	33464	0.72	cps
Phosphorus	31-2	623530	623281	628970	625260	0.51	cps
Potassium	39-2	23776462	23692457	23821477	23763465	0.28	cps
Rhodium	103-1	9231215	9216647	9276262	9241375	0.34	cps
Rhodium	103-2	4137505	4177808	4200212	4171842	0.76	cps
Scandium	45-1	7106166	7206735	7252620	7188507	1.04	cps
Scandium	45-2	274015	274814	278113	275647	0.79	cps
Selenium	77-2	160	180	147	162	10.34	cps
Selenium	78-2	754	646	672	691	8.11	cps
Selenium	82-1	4750	4783	4916	4816	1.83	cps
Silicon	28-1	925851	937850	947793	937165	1.17	cps
Silver	109-1	278670	281150	284764	281528	1.09	cps
Silver	107-1	286753	292267	294455	291159	1.36	cps
Sodium	23-2	53942780	53921880	54762451	54209037	0.88	cps
Strontium	86-1	134752	138395	139858	137668	1.91	cps
Strontium	88-1	1170809	1186585	1194956	1184117	1.04	cps
Sulfur	34-1	6829831	6901166	6946660	6892552	0.85	cps
Terbium	159-1	15747313	15854872	15909061	15837082	0.52	cps
Terbium	159-2	7579776	7627200	7603193	7603390	0.31	cps
Thallium	203-1	287013	290798	289677	289163	0.67	cps
Thallium	205-1	688849	700860	702766	697492	1.08	cps
Thorium	232-1	700	633	700	678	5.68	cps
Tin	118-1	631817	638716	643969	638168	0.96	cps
Titanium	47-1	3489900	3568748	3537455	3532035	1.12	cps
Uranium	238-1	917	1067	1042	1008	7.97	cps
Vanadium	51-2	49901	49801	50787	50163	1.08	cps
Yttrium	89-1	11133618	11273589	11233535	11213581	0.64	cps
Yttrium	89-2	1437217	1451309	1460405	1449643	0.81	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P7
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:36:35	DataFile Name :	020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	17230	17104	17407	17247	0.88	cps
Zirconium	90-1	1133	1167	1242	1181	4.70	cps
Zirconium	91-1	317	283	208	269	20.59	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P7
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:43:51	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6955389	6986290	7010399	6984026	0.39	cps
Antimony	121-1	5377176	5461620	5446522	5428439	0.83	cps
Arsenic	75-2	158437	160349	159774	159520	0.61	cps
Barium	135-1	7657379	7637404	7634000	7642928	0.17	cps
Barium	137-1	13545879	13597249	13644277	13595802	0.36	cps
Beryllium	9-1	1799223	1817004	1819759	1811995	0.62	cps
Bismuth	209-1	9651925	9619892	9686581	9652799	0.35	cps
Bismuth	209-2	5212458	5235996	5246900	5231785	0.34	cps
Boron	10-1	370967	386678	390920	382855	2.75	cps
Boron	11-1	1699154	1726148	1739893	1721731	1.20	cps
Cadmium	111-1	1631261	1649259	1649443	1643321	0.64	cps
Cadmium	106-1	180543	183863	183028	182478	0.95	cps
Cadmium	108-1	123537	124285	124919	124247	0.56	cps
Calcium	43-1	10456905	10486395	10474870	10472723	0.14	cps
Calcium	44-1	168400779	168447520	168750262	168532854	0.11	cps
Chromium	52-2	1710240	1717573	1722120	1716644	0.35	cps
Cobalt	59-2	2674962	2698697	2687303	2686987	0.44	cps
Copper	63-2	3714962	3743404	3748357	3735574	0.48	cps
Dysprosium	156-1	258	317	233	269	15.87	cps
Dysprosium	156-2	173	160	167	167	4.00	cps
Erbium	164-1	67	117	108	97	27.55	cps
Erbium	164-2	37	40	43	40	8.32	cps
Gadolinium	160-1	92	175	167	144	31.77	cps
Gadolinium	160-2	313	237	257	269	14.79	cps
Holmium	165-1	15622862	15539442	15478531	15546945	0.47	cps
Holmium	165-2	7716040	7779099	7737143	7744094	0.41	cps
Indium	115-1	10730601	10681790	10671128	10694506	0.30	cps
Indium	115-2	1924315	1928887	1928409	1927204	0.13	cps
Iron	56-2	365510319	367514753	366986675	366670582	0.28	cps
Iron	57-2	8937092	8968397	8954068	8953186	0.18	cps
Krypton	83-1	417	343	407	389	10.23	cps
Lead	206-1	5765933	5810496	5816870	5797766	0.48	cps
Lead	207-1	5278307	5291962	5294570	5288280	0.17	cps
Lead	208-1	23587202	23625068	23649803	23620691	0.13	cps
Lithium	6-1	4784508	4797980	4781001	4787830	0.19	cps
Magnesium	24-2	79536456	79711727	79322318	79523500	0.25	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P7
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:43:51	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2103201	2109657	2136096	2116318	0.82	cps
Molybdenum	94-1	12269561	12287658	12350875	12302698	0.35	cps
Molybdenum	95-1	15049055	14932797	15025621	15002491	0.41	cps
Molybdenum	96-1	16673411	16633370	16675037	16660606	0.14	cps
Molybdenum	97-1	9329269	9379865	9359535	9356223	0.27	cps
Molybdenum	98-1	24131041	24271006	24184262	24195436	0.29	cps
Neodymium	150-1	767	680	773	740	7.04	cps
Neodymium	150-2	110	153	77	113	33.92	cps
Nickel	60-2	678138	684956	688724	683940	0.78	cps
Phosphorus	31-2	68726	67503	66499	67576	1.65	cps
Potassium	39-2	31841389	32187569	31734084	31921014	0.74	cps
Rhodium	103-1	8788230	8877660	8823653	8829847	0.51	cps
Rhodium	103-2	3947879	3998866	3983656	3976800	0.66	cps
Scandium	45-1	7224747	7239871	7278649	7247756	0.38	cps
Scandium	45-2	283840	285262	282572	283891	0.47	cps
Selenium	77-2	4734	4814	4724	4758	1.04	cps
Selenium	78-2	16417	16376	15907	16233	1.75	cps
Selenium	82-1	118639	120984	121828	120484	1.37	cps
Silicon	28-1	4820493	4872776	4906939	4866736	0.89	cps
Silver	109-1	7429358	7507018	7523409	7486595	0.67	cps
Silver	107-1	7784110	7815163	7765519	7788264	0.32	cps
Sodium	23-2	144092157	145012057	144264999	144456405	0.34	cps
Strontium	86-1	2080247	2104755	2128937	2104646	1.16	cps
Strontium	88-1	17849325	18066969	18035117	17983804	0.65	cps
Sulfur	34-1	989026	991760	993029	991271	0.21	cps
Terbium	159-1	15549561	15647910	15657502	15618324	0.38	cps
Terbium	159-2	7440411	7452454	7431592	7441486	0.14	cps
Thallium	203-1	7111341	7127602	7078865	7105936	0.35	cps
Thallium	205-1	17016874	17153482	16973325	17047894	0.55	cps
Thorium	232-1	27522644	27598888	27580642	27567391	0.14	cps
Tin	118-1	5399099	5445360	5472021	5438827	0.68	cps
Titanium	47-1	4536353	4579663	4601435	4572484	0.72	cps
Uranium	238-1	26870349	26624389	27083028	26859255	0.85	cps
Vanadium	51-2	1360992	1368235	1356583	1361937	0.43	cps
Yttrium	89-1	11141819	11126368	11154512	11140900	0.13	cps
Yttrium	89-2	1445859	1460747	1458455	1455020	0.55	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV016	Instrumnet Name :	P7
Client Sample ID :	CCV016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:43:51	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	654188	653478	653317	653661	0.07	cps
Zirconium	90-1	10394461	10330470	10433023	10385984	0.50	cps
Zirconium	91-1	2311339	2336982	2346593	2331638	0.78	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : CCB016 Instrumnet Name : P7
 Client Sample ID : CCB016 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:47:31 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	258	267	200	242	15.03	cps
Antimony	121-1	2125	2017	2142	2095	3.24	cps
Arsenic	75-2	20	31	19	23	29.88	cps
Barium	135-1	308	358	300	322	9.79	cps
Barium	137-1	558	583	417	519	17.30	cps
Beryllium	9-1	356	289	333	326	10.42	cps
Bismuth	209-1	11854849	11784001	11865554	11834801	0.37	cps
Bismuth	209-2	6452225	6493483	6541049	6495585	0.68	cps
Boron	10-1	18045	17335	16818	17399	3.54	cps
Boron	11-1	84134	79392	70775	78100	8.67	cps
Cadmium	111-1	3364	3320	3135	3273	3.72	cps
Cadmium	106-1	4684	4501	4334	4506	3.89	cps
Cadmium	108-1	21	8	17	15	41.67	cps
Calcium	43-1	492	400	317	403	21.73	cps
Calcium	44-1	8136	7861	7235	7744	5.96	cps
Chromium	52-2	930	1120	1053	1034	9.32	cps
Cobalt	59-2	160	167	173	167	4.00	cps
Copper	63-2	527	447	410	461	12.94	cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	67	33	67	56	34.65	cps
Erbium	164-2	27	20	30	26	19.92	cps
Gadolinium	160-1	25	25	58	36	53.30	cps
Gadolinium	160-2	277	230	237	248	10.19	cps
Holmium	165-1	16305728	16386555	16449856	16380713	0.44	cps
Holmium	165-2	8281607	8216090	8265883	8254527	0.41	cps
Indium	115-1	12304283	12332431	12372910	12336541	0.28	cps
Indium	115-2	2192143	2221164	2221984	2211764	0.77	cps
Iron	56-2	13429	14685	15214	14443	6.35	cps
Iron	57-2	406	433	328	389	14.07	cps
Krypton	83-1	383	407	363	384	5.64	cps
Lead	206-1	1889	1928	1728	1848	5.74	cps
Lead	207-1	1511	1372	1461	1448	4.86	cps
Lead	208-1	7134	6740	6412	6762	5.35	cps
Lithium	6-1	5260276	5278564	5298906	5279249	0.37	cps
Magnesium	24-2	2400	2217	2359	2325	4.13	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P7
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:47:31	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	87	90	93	90	3.71	cps
Molybdenum	94-1	3059	2600	2325	2661	13.92	cps
Molybdenum	95-1	3967	3342	3292	3534	10.65	cps
Molybdenum	96-1	4051	3892	3326	3756	10.15	cps
Molybdenum	97-1	2592	2042	1850	2161	17.82	cps
Molybdenum	98-1	5651	5610	4768	5343	9.33	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	67	70	117	84	33.10	cps
Phosphorus	31-2	58	100	67	75	29.39	cps
Potassium	39-2	14282	14491	14541	14438	0.95	cps
Rhodium	103-1	10975111	10912048	11041544	10976234	0.59	cps
Rhodium	103-2	4877418	4907568	4944753	4909913	0.69	cps
Scandium	45-1	7944612	7968536	8028564	7980571	0.54	cps
Scandium	45-2	298440	303270	304561	302090	1.07	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	39	48	41	43	11.50	cps
Selenium	82-1	29	-15	19	11	211.43	cps
Silicon	28-1	245912	241602	238360	241958	1.57	cps
Silver	109-1	1192	992	875	1020	15.71	cps
Silver	107-1	1025	1033	992	1017	2.17	cps
Sodium	23-2	32453	33714	32879	33015	1.94	cps
Strontium	86-1	658	583	683	642	8.11	cps
Strontium	88-1	558	500	558	539	6.25	cps
Sulfur	34-1	223281	226090	224635	224669	0.63	cps
Terbium	159-1	16554614	16628437	16571162	16584738	0.23	cps
Terbium	159-2	8009889	7962917	7936139	7969648	0.47	cps
Thallium	203-1	2409	1850	1734	1997	18.07	cps
Thallium	205-1	5335	4918	4601	4951	7.43	cps
Thorium	232-1	3667	3601	3417	3562	3.64	cps
Tin	118-1	1483	1558	1433	1492	4.22	cps
Titanium	47-1	250	242	192	228	13.85	cps
Uranium	238-1	867	958	658	828	18.57	cps
Vanadium	51-2	50	53	33	46	23.52	cps
Yttrium	89-1	12243981	12176571	12350136	12256896	0.71	cps
Yttrium	89-2	1581190	1582710	1602284	1588728	0.74	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB016	Instrumnet Name :	P7
Client Sample ID :	CCB016	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:47:31	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	347	253	243	281	20.27	cps
Zirconium	90-1	1117	1233	1358	1236	9.78	cps
Zirconium	91-1	292	367	275	311	15.70	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : J6366-02A Instrumnet Name : P7
 Client Sample ID : METC11A Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 14:51:05 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1517	1350	1600	1489	8.55	cps
Antimony	121-1	9537	9754	9771	9687	1.34	cps
Arsenic	75-2	1115	974	1006	1032	7.16	cps
Barium	135-1	398107	408162	403808	403359	1.25	cps
Barium	137-1	703838	715264	711208	710103	0.82	cps
Beryllium	9-1	256	156	272	228	27.70	cps
Bismuth	209-1	12435694	12367053	12333713	12378820	0.42	cps
Bismuth	209-2	6695289	6759907	6667728	6707641	0.71	cps
Boron	10-1	232461	243843	249176	241827	3.53	cps
Boron	11-1	1043947	1104530	1129299	1092592	4.02	cps
Cadmium	111-1	3914	3982	4202	4033	3.74	cps
Cadmium	106-1	4743	4718	4993	4818	3.16	cps
Cadmium	108-1	508	500	567	525	6.92	cps
Calcium	43-1	5924256	5960255	5913535	5932682	0.41	cps
Calcium	44-1	96087373	95857304	95454304	95799660	0.33	cps
Chromium	52-2	2130	2270	2014	2138	6.01	cps
Cobalt	59-2	6015	6035	6055	6035	0.33	cps
Copper	63-2	3754	3847	4124	3908	4.92	cps
Dysprosium	156-1	33	50	25	36	35.25	cps
Dysprosium	156-2	17	27	37	27	37.50	cps
Erbium	164-1	58	75	92	75	22.22	cps
Erbium	164-2	27	43	17	29	46.62	cps
Gadolinium	160-1	75	100	83	86	14.78	cps
Gadolinium	160-2	330	313	350	331	5.54	cps
Holmium	165-1	18319894	18491579	18559131	18456868	0.67	cps
Holmium	165-2	8952113	9004902	8981500	8979505	0.29	cps
Indium	115-1	13560955	13696536	13539226	13598905	0.63	cps
Indium	115-2	2378305	2398608	2383516	2386810	0.44	cps
Iron	56-2	547852	548702	547187	547914	0.14	cps
Iron	57-2	42440	42300	42668	42469	0.44	cps
Krypton	83-1	373	463	373	403	12.88	cps
Lead	206-1	4240	3728	4079	4016	6.51	cps
Lead	207-1	3762	3423	3395	3526	5.79	cps
Lead	208-1	17288	15604	15860	16251	5.59	cps
Lithium	6-1	6093463	6079063	6108290	6093606	0.24	cps
Magnesium	24-2	13525635	13568898	13430628	13508387	0.52	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6366-02A	Instrumnet Name :	P7
Client Sample ID :	METC11A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:51:05	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	230091	230612	233086	231263	0.69	cps
Molybdenum	94-1	1052090	1059455	1061814	1057786	0.48	cps
Molybdenum	95-1	1867291	1867642	1881293	1872075	0.43	cps
Molybdenum	96-1	1964017	1984709	1989621	1979449	0.69	cps
Molybdenum	97-1	1153942	1163506	1162537	1159995	0.45	cps
Molybdenum	98-1	2986287	3009318	3026892	3007499	0.68	cps
Neodymium	150-1	53	73	53	60	19.24	cps
Neodymium	150-2	13	10	27	17	52.93	cps
Nickel	60-2	6835	6578	6832	6748	2.18	cps
Phosphorus	31-2	1150	983	917	1017	11.82	cps
Potassium	39-2	1429280	1443709	1442648	1438546	0.56	cps
Rhodium	103-1	11694939	11660077	11760606	11705207	0.44	cps
Rhodium	103-2	5160893	5172059	5123724	5152225	0.49	cps
Scandium	45-1	9141016	9156254	9123444	9140238	0.18	cps
Scandium	45-2	341482	343288	343798	342856	0.36	cps
Selenium	77-2	200	207	180	196	7.09	cps
Selenium	78-2	670	700	624	665	5.76	cps
Selenium	82-1	4663	4479	4823	4655	3.69	cps
Silicon	28-1	70548381	71049495	71570695	71056190	0.72	cps
Silver	109-1	4326	4759	5218	4768	9.36	cps
Silver	107-1	4084	5401	6035	5173	19.24	cps
Sodium	23-2	37804397	37831250	37751363	37795670	0.11	cps
Strontium	86-1	1661234	1669424	1687091	1672583	0.79	cps
Strontium	88-1	14423758	14515829	14442859	14460815	0.34	cps
Sulfur	34-1	2963500	2991665	2986817	2980661	0.51	cps
Terbium	159-1	18651322	18675963	18607539	18644942	0.19	cps
Terbium	159-2	8819705	8780603	8636025	8745444	1.11	cps
Thallium	203-1	8161	7969	7344	7825	5.46	cps
Thallium	205-1	18814	19315	17929	18686	3.75	cps
Thorium	232-1	1283	1339	1411	1345	4.77	cps
Tin	118-1	4426	4276	4117	4273	3.61	cps
Titanium	47-1	1659	1450	1625	1578	7.09	cps
Uranium	238-1	367523	368781	368012	368105	0.17	cps
Vanadium	51-2	797	840	797	811	3.08	cps
Yttrium	89-1	13744327	13865608	13827224	13812386	0.45	cps
Yttrium	89-2	1762936	1760433	1752217	1758528	0.32	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6366-02A	Instrumnet Name :	P7
Client Sample ID :	METC11A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:51:05	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	8603	8890	9276	8923	3.79	cps
Zirconium	90-1	2725	2767	2900	2798	3.27	cps
Zirconium	91-1	692	667	542	633	12.69	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MBEJD2	Dilution Factor :	2
Date & Time Acquired ::	2018-12-21 14:54:40	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1120192	1122695	1116968	1119952	0.26	cps
Antimony	121-1	4918	4434	4859	4737	5.57	cps
Arsenic	75-2	2508	2398	2456	2454	2.23	cps
Barium	135-1	30651	31211	31737	31200	1.74	cps
Barium	137-1	54984	55487	55964	55478	0.88	cps
Beryllium	9-1	3473	3462	3589	3508	2.02	cps
Bismuth	209-1	11907792	11951526	12083607	11980975	0.76	cps
Bismuth	209-2	6457951	6542294	6632554	6544266	1.33	cps
Boron	10-1	403687	401438	423841	409655	3.01	cps
Boron	11-1	1845633	1869309	1938711	1884551	2.57	cps
Cadmium	111-1	246716	247218	244289	246074	0.64	cps
Cadmium	106-1	26643	26642	26467	26584	0.38	cps
Cadmium	108-1	15838	16243	16030	16037	1.26	cps
Calcium	43-1	1950935	1977734	1982870	1970513	0.87	cps
Calcium	44-1	31961057	31939799	32268333	32056396	0.57	cps
Chromium	52-2	23058	23112	23235	23135	0.39	cps
Cobalt	59-2	349714	352881	353891	352162	0.62	cps
Copper	63-2	13426	13263	13670	13453	1.52	cps
Dysprosium	156-1	376116	374390	376035	375514	0.26	cps
Dysprosium	156-2	186811	190771	192248	189943	1.48	cps
Erbium	164-1	318658	319831	319836	319442	0.21	cps
Erbium	164-2	153753	153941	154515	154069	0.26	cps
Gadolinium	160-1	360570	362715	364493	362593	0.54	cps
Gadolinium	160-2	197297	201190	199620	199369	0.98	cps
Holmium	165-1	17259515	17262077	17397826	17306473	0.46	cps
Holmium	165-2	8551052	8478589	8566030	8531890	0.55	cps
Indium	115-1	12463745	12521710	12509413	12498289	0.24	cps
Indium	115-2	2197509	2222693	2241916	2220706	1.00	cps
Iron	56-2	142264009	142985059	142042003	142430357	0.35	cps
Iron	57-2	3493301	3477063	3525270	3498545	0.70	cps
Krypton	83-1	760	777	813	783	3.48	cps
Lead	206-1	47959	47741	47959	47886	0.26	cps
Lead	207-1	39576	40657	40467	40233	1.43	cps
Lead	208-1	185040	186950	186765	186252	0.57	cps
Lithium	6-1	5253522	5230316	5270318	5251386	0.38	cps
Magnesium	24-2	3459431	3504574	3486923	3483643	0.65	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MBEJD2	Dilution Factor :	2
Date & Time Acquired ::	2018-12-21 14:54:40	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1522291	1536374	1529530	1529398	0.46	cps
Molybdenum	94-1	24422	24463	24163	24349	0.67	cps
Molybdenum	95-1	1542	1525	1500	1522	1.38	cps
Molybdenum	96-1	8395	9195	8786	8792	4.55	cps
Molybdenum	97-1	975	1008	1025	1003	2.54	cps
Molybdenum	98-1	2809	2559	2359	2575	8.76	cps
Neodymium	150-1	638915	640330	642754	640667	0.30	cps
Neodymium	150-2	240505	242726	245082	242771	0.94	cps
Nickel	60-2	235026	237207	237255	236496	0.54	cps
Phosphorus	31-2	217	192	133	181	23.68	cps
Potassium	39-2	792136	798535	795662	795444	0.40	cps
Rhodium	103-1	10794922	10811503	10812058	10806161	0.09	cps
Rhodium	103-2	4803707	4830508	4866935	4833717	0.66	cps
Scandium	45-1	8043598	8069347	8162922	8091955	0.78	cps
Scandium	45-2	297543	302119	303075	300912	0.98	cps
Selenium	77-2	823	813	777	804	3.05	cps
Selenium	78-2	633	648	669	650	2.72	cps
Selenium	82-1	651	625	569	615	6.78	cps
Silicon	28-1	47936791	48138991	48240656	48105479	0.32	cps
Silver	109-1	2725	2817	2992	2845	4.76	cps
Silver	107-1	2817	3417	3209	3148	9.68	cps
Sodium	23-2	7874634	7886110	7862478	7874407	0.15	cps
Strontium	86-1	809661	816240	818237	814713	0.55	cps
Strontium	88-1	7044410	7053945	7120822	7073059	0.59	cps
Sulfur	34-1	10701972	10872796	10736935	10770568	0.84	cps
Terbium	159-1	17512834	17438303	17456085	17469074	0.22	cps
Terbium	159-2	8278107	8213681	8307234	8266341	0.58	cps
Thallium	203-1	6460	6343	6135	6313	2.61	cps
Thallium	205-1	15994	14934	15176	15368	3.61	cps
Thorium	232-1	26344	26410	26227	26327	0.35	cps
Tin	118-1	2259	2350	2342	2317	2.19	cps
Titanium	47-1	1725	1609	1600	1645	4.25	cps
Uranium	238-1	94409	93275	94417	94033	0.70	cps
Vanadium	51-2	433	507	433	458	9.25	cps
Yttrium	89-1	16423005	16323154	16434481	16393547	0.37	cps
Yttrium	89-2	2093328	2098723	2111209	2101087	0.44	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-02DLX2	Instrumnet Name :	P7
Client Sample ID :	MBEJD2	Dilution Factor :	2
Date & Time Acquired ::	2018-12-21 14:54:40	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	247323	246194	247401	246973	0.27	cps
Zirconium	90-1	63701	63500	63784	63662	0.23	cps
Zirconium	91-1	13632	13348	14616	13866	4.80	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-08	Instrumnet Name :	P7
Client Sample ID :	MBEJE8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:58:16	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	808	633	608	683	15.95	cps
Antimony	121-1	1150	1125	1108	1128	1.86	cps
Arsenic	75-2	9	20	13	14	39.85	cps
Barium	135-1	967	1058	850	958	10.90	cps
Barium	137-1	1500	1542	1667	1570	5.53	cps
Beryllium	9-1	167	183	161	170	6.79	cps
Bismuth	209-1	12984719	12825691	12796977	12869129	0.79	cps
Bismuth	209-2	7278562	7247402	7262154	7262706	0.21	cps
Boron	10-1	23936	22209	20072	22072	8.77	cps
Boron	11-1	108824	97766	92441	99677	8.38	cps
Cadmium	111-1	3607	3324	3557	3496	4.32	cps
Cadmium	106-1	5084	4626	4934	4882	4.79	cps
Cadmium	108-1	21	8	25	18	48.05	cps
Calcium	43-1	2075	2084	2184	2114	2.85	cps
Calcium	44-1	36830	35410	35452	35897	2.25	cps
Chromium	52-2	757	837	813	802	5.13	cps
Cobalt	59-2	40	80	47	56	38.57	cps
Copper	63-2	1550	1603	1540	1565	2.18	cps
Dysprosium	156-1	50	50	58	53	9.12	cps
Dysprosium	156-2	10	7	13	10	33.30	cps
Erbium	164-1	42	33	33	36	13.33	cps
Erbium	164-2	40	17	30	29	40.51	cps
Gadolinium	160-1	83	125	58	89	37.89	cps
Gadolinium	160-2	310	273	300	294	6.44	cps
Holmium	165-1	17887392	17823656	17762468	17824505	0.35	cps
Holmium	165-2	8955012	8945971	8965744	8955576	0.11	cps
Indium	115-1	13758983	13713775	13532749	13668502	0.88	cps
Indium	115-2	2416997	2441276	2467898	2442057	1.04	cps
Iron	56-2	12378	12144	12646	12389	2.03	cps
Iron	57-2	289	289	267	281	4.56	cps
Krypton	83-1	383	357	340	360	6.07	cps
Lead	206-1	2084	1989	1989	2021	2.70	cps
Lead	207-1	1895	1850	1750	1832	4.04	cps
Lead	208-1	8657	8062	8068	8262	4.14	cps
Lithium	6-1	5746244	5758843	5724865	5743317	0.30	cps
Magnesium	24-2	1375	1575	1208	1386	13.25	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-08	Instrumnet Name :	P7
Client Sample ID :	MBEJE8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:58:16	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	273	253	293	273	7.32	cps
Molybdenum	94-1	758	650	758	722	8.66	cps
Molybdenum	95-1	792	783	642	739	11.41	cps
Molybdenum	96-1	750	850	775	792	6.57	cps
Molybdenum	97-1	458	392	467	439	9.37	cps
Molybdenum	98-1	1417	1267	992	1225	17.60	cps
Neodymium	150-1	53	27	13	31	65.48	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	187	207	170	188	9.78	cps
Phosphorus	31-2	67	83	75	75	11.11	cps
Potassium	39-2	15726	15067	15801	15531	2.60	cps
Rhodium	103-1	12280798	12224876	12092966	12199547	0.79	cps
Rhodium	103-2	5337153	5402886	5412675	5384238	0.76	cps
Scandium	45-1	9016936	8836874	8939278	8931029	1.01	cps
Scandium	45-2	329521	333032	332565	331706	0.57	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	43	46	48	46	6.20	cps
Selenium	82-1	41	-5	60	32	103.70	cps
Silicon	28-1	215862	214593	214923	215126	0.31	cps
Silver	109-1	967	1042	767	925	15.37	cps
Silver	107-1	1258	917	883	1020	20.36	cps
Sodium	23-2	27593	26808	26683	27028	1.83	cps
Strontium	86-1	2392	2025	2042	2153	9.62	cps
Strontium	88-1	12823	13440	13440	13234	2.69	cps
Sulfur	34-1	228738	226327	225304	226790	0.78	cps
Terbium	159-1	18136285	18175038	18000388	18103904	0.51	cps
Terbium	159-2	8654530	8649398	8708768	8670899	0.38	cps
Thallium	203-1	792	592	683	689	14.53	cps
Thallium	205-1	1917	1934	1842	1897	2.57	cps
Thorium	232-1	594	572	483	550	10.69	cps
Tin	118-1	875	975	850	900	7.35	cps
Titanium	47-1	158	167	142	156	8.19	cps
Uranium	238-1	267	167	150	194	32.45	cps
Vanadium	51-2	17	17	13	16	12.40	cps
Yttrium	89-1	13747909	13705676	13614561	13689382	0.50	cps
Yttrium	89-2	1719008	1744176	1760653	1741279	1.20	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	J6292-08	Instrumnet Name :	P7
Client Sample ID :	MBEJE8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 14:58:16	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	17801	19003	18712	18505	3.39	cps
Zirconium	90-1	858	850	958	889	6.78	cps
Zirconium	91-1	242	242	150	211	25.07	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV017	Instrumnet Name :	P7
Client Sample ID :	CCV017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:01:51	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6883410	6941705	6971420	6932178	0.65	cps
Antimony	121-1	5255977	5333862	5369584	5319808	1.09	cps
Arsenic	75-2	156621	158903	158578	158034	0.78	cps
Barium	135-1	7518203	7549078	7573984	7547088	0.37	cps
Barium	137-1	13395344	13350901	13372715	13372986	0.17	cps
Beryllium	9-1	1757847	1777255	1781871	1772324	0.72	cps
Bismuth	209-1	9495238	9543212	9513299	9517250	0.25	cps
Bismuth	209-2	5157522	5194325	5214484	5188777	0.56	cps
Boron	10-1	363124	370487	373670	369094	1.47	cps
Boron	11-1	1624336	1660014	1673892	1652747	1.55	cps
Cadmium	111-1	1778186	1792660	1791974	1787607	0.46	cps
Cadmium	106-1	193571	194140	194494	194068	0.24	cps
Cadmium	108-1	133770	132655	134947	133791	0.86	cps
Calcium	43-1	10214807	10197462	10191364	10201211	0.12	cps
Calcium	44-1	163923970	164592175	164111512	164209219	0.21	cps
Chromium	52-2	1680774	1687564	1702683	1690340	0.66	cps
Cobalt	59-2	2624411	2651833	2653819	2643354	0.62	cps
Copper	63-2	3682888	3730127	3730334	3714450	0.74	cps
Dysprosium	156-1	233	142	242	206	26.99	cps
Dysprosium	156-2	207	210	197	204	3.40	cps
Erbium	164-1	108	50	92	83	36.06	cps
Erbium	164-2	30	37	50	39	26.18	cps
Gadolinium	160-1	117	108	158	128	20.96	cps
Gadolinium	160-2	250	280	273	268	5.88	cps
Holmium	165-1	15403914	15350735	15310218	15354956	0.31	cps
Holmium	165-2	7610451	7659325	7711669	7660482	0.66	cps
Indium	115-1	10501523	10530375	10518526	10516808	0.14	cps
Indium	115-2	1895257	1899755	1919559	1904857	0.68	cps
Iron	56-2	361408508	360703030	361848008	361319849	0.16	cps
Iron	57-2	8779522	8837268	8801326	8806039	0.33	cps
Krypton	83-1	360	380	410	383	6.56	cps
Lead	206-1	5640535	5711662	5703612	5685270	0.69	cps
Lead	207-1	5147270	5201256	5231040	5193189	0.82	cps
Lead	208-1	23106579	23224254	23243371	23191401	0.32	cps
Lithium	6-1	4645241	4684846	4703402	4677830	0.64	cps
Magnesium	24-2	77601820	78104098	79134537	78280152	1.00	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV017	Instrumnet Name :	P7
Client Sample ID :	CCV017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:01:51	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2079307	2079065	2091978	2083450	0.35	cps
Molybdenum	94-1	12019113	12162090	12085075	12088759	0.59	cps
Molybdenum	95-1	14686566	14745124	14691627	14707773	0.22	cps
Molybdenum	96-1	16297828	16366028	16440373	16368076	0.44	cps
Molybdenum	97-1	9176644	9128826	9189170	9164880	0.35	cps
Molybdenum	98-1	23821541	23737234	23799123	23785966	0.18	cps
Neodymium	150-1	813	700	753	756	7.50	cps
Neodymium	150-2	107	63	100	90	25.93	cps
Nickel	60-2	668700	675434	672366	672167	0.50	cps
Phosphorus	31-2	67445	66993	66483	66973	0.72	cps
Potassium	39-2	31385319	31646135	31733146	31588200	0.57	cps
Rhodium	103-1	8715835	8712628	8702649	8710371	0.08	cps
Rhodium	103-2	3907053	3932615	3949674	3929781	0.55	cps
Scandium	45-1	7135245	7150380	7149826	7145151	0.12	cps
Scandium	45-2	278975	279850	281548	280125	0.47	cps
Selenium	77-2	4871	4898	4814	4861	0.88	cps
Selenium	78-2	16712	16582	16380	16558	1.01	cps
Selenium	82-1	120562	122125	121800	121496	0.68	cps
Silicon	28-1	4886572	4962047	5002634	4950417	1.19	cps
Silver	109-1	7538182	7396819	7448056	7461019	0.96	cps
Silver	107-1	7703999	7727622	7722891	7718170	0.16	cps
Sodium	23-2	140562057	141012936	142388274	141321089	0.67	cps
Strontium	86-1	2054422	2068853	2065615	2062963	0.37	cps
Strontium	88-1	17787384	17715982	17986798	17830055	0.79	cps
Sulfur	34-1	971157	973112	980908	975059	0.53	cps
Terbium	159-1	15383829	15435327	15435500	15418219	0.19	cps
Terbium	159-2	7286065	7350643	7367389	7334699	0.59	cps
Thallium	203-1	7005988	6917132	6950750	6957956	0.64	cps
Thallium	205-1	16803297	16748149	16618557	16723334	0.57	cps
Thorium	232-1	26959440	27203930	27167621	27110330	0.49	cps
Tin	118-1	5307940	5378736	5361195	5349290	0.69	cps
Titanium	47-1	4478909	4488240	4474287	4480479	0.16	cps
Uranium	238-1	26186645	26495388	26448343	26376792	0.63	cps
Vanadium	51-2	1329182	1339919	1339010	1336037	0.45	cps
Yttrium	89-1	10947196	10959543	11014149	10973629	0.32	cps
Yttrium	89-2	1436327	1443635	1446277	1442080	0.36	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCV017	Instrumnet Name :	P7
Client Sample ID :	CCV017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:01:51	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	605180	611064	608854	608366	0.49	cps
Zirconium	90-1	10171518	10203656	10194199	10189791	0.16	cps
Zirconium	91-1	2246139	2284274	2299307	2276573	1.20	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : CCB017 Instrumnet Name : P7
 Client Sample ID : CCB017 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 15:05:31 DataFile Name : 028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	117	158	167	147	18.20	cps
Antimony	121-1	2192	2150	2300	2214	3.50	cps
Arsenic	75-2	13	13	9	12	18.22	cps
Barium	135-1	242	358	167	256	37.80	cps
Barium	137-1	517	500	300	439	27.47	cps
Beryllium	9-1	300	283	294	293	2.90	cps
Bismuth	209-1	11867220	13123484	12044041	12344915	5.51	cps
Bismuth	209-2	6687698	6674464	6660279	6674147	0.21	cps
Boron	10-1	19079	17736	16752	17856	6.54	cps
Boron	11-1	86631	80263	77247	81381	5.89	cps
Cadmium	111-1	3339	3560	3374	3424	3.47	cps
Cadmium	106-1	4568	4834	4676	4693	2.86	cps
Cadmium	108-1	42	17	29	29	42.85	cps
Calcium	43-1	275	350	233	286	20.67	cps
Calcium	44-1	7235	7369	6368	6991	7.77	cps
Chromium	52-2	1107	1103	1007	1072	5.30	cps
Cobalt	59-2	100	97	123	107	13.62	cps
Copper	63-2	607	580	503	563	9.52	cps
Dysprosium	156-1	17	33	8	19	65.47	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	58	75	58	64	15.05	cps
Erbium	164-2	13	30	17	20	44.10	cps
Gadolinium	160-1	33	83	83	67	43.31	cps
Gadolinium	160-2	317	280	253	283	11.22	cps
Holmium	165-1	16546748	18153824	16579629	17093400	5.37	cps
Holmium	165-2	8319197	8345442	8356834	8340491	0.23	cps
Indium	115-1	12342368	13732053	12506336	12860252	5.91	cps
Indium	115-2	2218319	2248983	2274628	2247310	1.25	cps
Iron	56-2	9870	9142	9881	9631	4.40	cps
Iron	57-2	356	289	261	302	16.08	cps
Krypton	83-1	380	327	343	350	7.80	cps
Lead	206-1	1589	1550	1600	1580	1.66	cps
Lead	207-1	1495	1306	1383	1395	6.81	cps
Lead	208-1	6451	6034	6529	6338	4.20	cps
Lithium	6-1	5316041	5798936	5387889	5500955	4.74	cps
Magnesium	24-2	1267	1250	1450	1322	8.39	cps

LB Number : LB100004 Operator : Jaswal
 Lab Sample ID : CCB017 Instrumnet Name : P7
 Client Sample ID : CCB017 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 15:05:31 DataFile Name : 028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	93	93	77	88	10.96	cps
Molybdenum	94-1	3010	2242	2375	2542	16.13	cps
Molybdenum	95-1	3884	3284	3459	3542	8.71	cps
Molybdenum	96-1	4393	3851	3434	3892	12.35	cps
Molybdenum	97-1	2960	2017	1825	2267	26.79	cps
Molybdenum	98-1	6285	5476	5059	5607	11.11	cps
Neodymium	150-1	0	13	7	7	99.98	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	83	63	67	71	15.07	cps
Phosphorus	31-2	75	50	58	61	20.83	cps
Potassium	39-2	14533	13298	13749	13860	4.51	cps
Rhodium	103-1	10873572	12161114	11111870	11382185	6.02	cps
Rhodium	103-2	4929748	4970906	5025040	4975231	0.96	cps
Scandium	45-1	8019890	8871128	8106512	8332510	5.62	cps
Scandium	45-2	305260	306348	309247	306952	0.67	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	44	57	54	52	12.88	cps
Selenium	82-1	29	41	1	24	86.72	cps
Silicon	28-1	258929	260226	254427	257861	1.18	cps
Silver	109-1	817	817	775	803	3.00	cps
Silver	107-1	975	908	917	933	3.89	cps
Sodium	23-2	26249	25030	24145	25141	4.20	cps
Strontium	86-1	692	742	633	689	7.87	cps
Strontium	88-1	608	442	350	467	28.07	cps
Sulfur	34-1	225135	228373	227487	226998	0.74	cps
Terbium	159-1	16610337	18217881	16707487	17178568	5.25	cps
Terbium	159-2	8035386	8071293	8088465	8065048	0.34	cps
Thallium	203-1	1859	1342	1567	1589	16.30	cps
Thallium	205-1	3676	3551	3301	3509	5.44	cps
Thorium	232-1	5407	4868	4390	4888	10.41	cps
Tin	118-1	2417	2284	1584	2095	21.37	cps
Titanium	47-1	192	283	208	228	21.44	cps
Uranium	238-1	625	800	658	694	13.38	cps
Vanadium	51-2	27	23	37	29	24.03	cps
Yttrium	89-1	12391644	13487336	12475553	12784844	4.77	cps
Yttrium	89-2	1592436	1598687	1621704	1604276	0.96	cps

LB Number :	LB100004	Operator :	Jaswal
Lab Sample ID :	CCB017	Instrumnet Name :	P7
Client Sample ID :	CCB017	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 15:05:31	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	303	250	270	274	9.82	cps
Zirconium	90-1	1459	1333	1175	1322	10.74	cps
Zirconium	91-1	258	375	208	281	30.49	cps