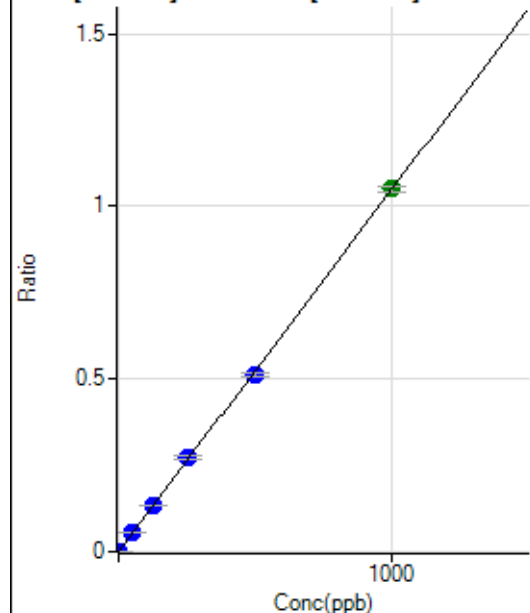


Batch Folder: D:\P8100318 -MS.b\
Analysis File: P8100318 -MS.batch.bin
DA Date-Time: 2018-10-04 00:22:58
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2018-10-03 13:35:10
2	004CAL.S.d	S01	2018-10-03 13:38:32
3	005CAL.S.d	S02	2018-10-03 13:42:41
4	006CAL.S.d	S03	2018-10-03 13:46:26
5	007CAL.S.d	S04	2018-10-03 13:50:09
6	008CAL.S.d	S05	2018-10-03 13:53:44
7	009CAL.S.d	S06	2018-10-03 13:57:15
8	010CAL.S.d	S07	2018-10-03 14:00:42
9	011CAL.S.d	S08	2018-10-03 14:04:02

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.45	0.0001	P	5.5
2	☐	0.100	0.127	416.69	0.0003	P	15.0
3	☐	1.000	1.062	2029.83	0.0012	P	5.2
4	☐	50.000	51.589	90292.63	0.0542	P	1.6
5	☐	125.000	127.566	223310.67	0.1338	P	1.1
6	☐	250.000	259.697	439181.00	0.2723	P	4.2
7	☐	500.000	488.739	855811.93	0.5123	P	2.3
8	☐	1000.000	1002.806	1676580.48	1.0510	A	1.8
9	☐			1059.33	0.0007	P	3.9

$$y = 0.0010 * x + 1.1877E-004$$

$$R = 0.9999$$

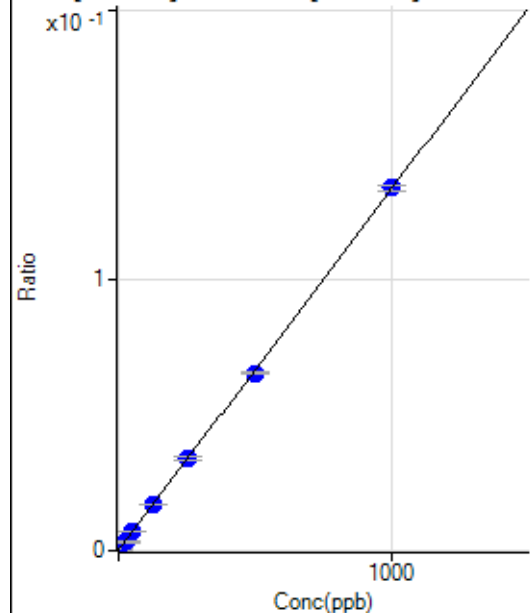
$$DL = 0.01868$$

$$BEC = 0.1133$$

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	444.47	0.0003	P	13.0
2	☐	2.500	2.306	958.41	0.0006	P	11.9
3	☐	25.000	22.168	5323.46	0.0032	P	6.3
4	☐	50.000	52.282	12088.88	0.0073	P	2.9
5	☐	125.000	126.566	28665.53	0.0172	P	1.9
6	☐	250.000	255.179	55430.27	0.0344	P	3.5
7	☐	500.000	490.427	109910.55	0.0658	P	1.4
8	☐	1000.000	1003.253	214199.08	0.1343	P	1.7
9	☐			4809.33	0.0032	P	9.9

$$y = 1.3357E-004 * x + 2.7122E-004$$

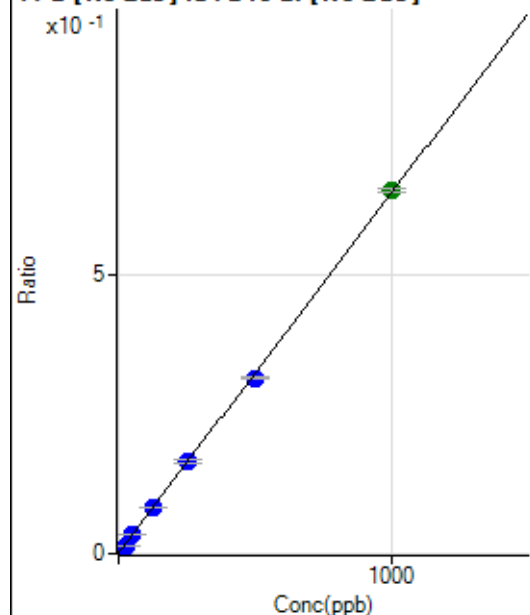
$$R = 0.9999$$

$$DL = 0.7942$$

$$BEC = 2.031$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2480.88	0.0015	P	3.0
2	☐	2.500	1.681	4300.80	0.0026	P	4.8
3	☐	25.000	21.320	25161.92	0.0153	P	1.6
4	☐	50.000	49.909	56233.42	0.0337	P	1.1
5	☐	125.000	125.692	137973.32	0.0827	P	2.2
6	☐	250.000	254.852	267895.56	0.1661	P	4.1
7	☐	500.000	485.597	526409.30	0.3151	P	1.2
8	☐	1000.000	1006.001	1038718.29	0.6511	A	1.1
9	☐			23929.29	0.0157	P	10.2

$$y = 6.4572\text{E-}004 * x + 0.0015$$

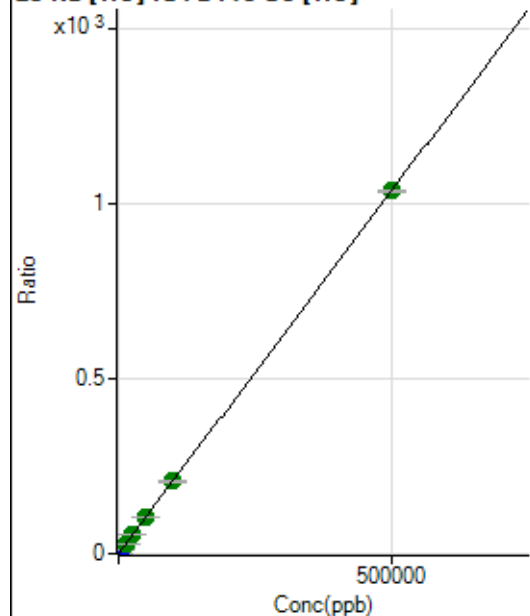
$$R = 0.9998$$

$$DL = 0.2101$$

$$BEC = 2.347$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	8778.12	0.2143	P	0.7
2	☐	50.000	45.298	12950.85	0.3083	P	0.7
3	☐	500.000	499.063	53030.15	1.2492	P	2.3
4	☐	5000.000	5426.210	454429.50	11.4656	P	4.3
5	☐	12500.000	13246.978	1099104.65	27.6819	A	1.9
6	☐	25000.000	25568.031	2087860.66	53.2296	A	1.3
7	☐	50000.000	49383.205	3988744.49	102.6102	A	0.4
8	☐	100000.00	100247.34	7754752.43	208.0768	A	2.4
9	☐	500000.00	499960.87	39077199.49	1,036.881	A	0.6

$$y = 0.0021 * x + 0.2143$$

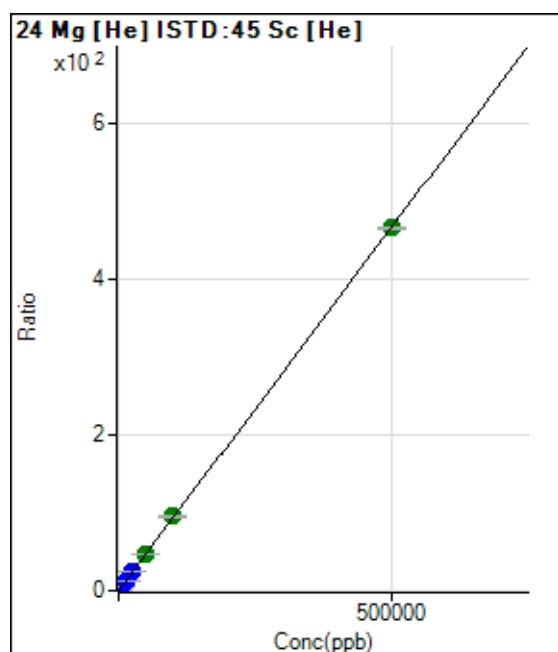
$$R = 1.0000$$

$$DL = 2.04$$

$$BEC = 103.4$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	305.57	0.0075	P	4.4
2	☐	50.000	48.992	2236.40	0.0532	P	9.5
3	☐	500.000	498.002	20045.47	0.4723	P	4.4
4	☐	5000.000	5525.348	204678.09	5.1651	P	4.9
5	☐	12500.000	13181.159	488717.11	12.3115	P	3.1
6	☐	25000.000	25633.664	938860.43	23.9353	P	0.8
7	☐	50000.000	51213.746	1858605.25	47.8132	A	0.5
8	☐	100000.00	102385.20	3562428.12	95.5795	A	1.8
9	☐	500000.00	499347.62	17567289.28	466.1263	A	0.3

$$y = 9.3346\text{E-}004 * x + 0.0075$$

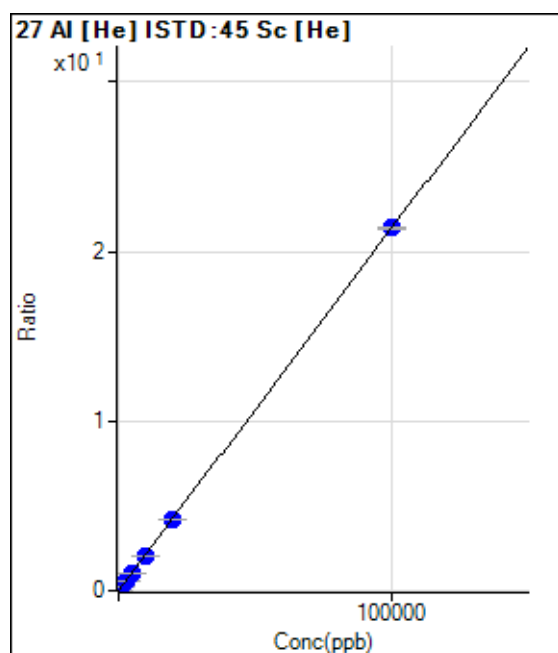
$$R = 1.0000$$

$$DL = 1.056$$

$$BEC = 7.991$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	16.67	0.0004	P	49.5
2	☐	2.000	2.442	39.18	0.0009	P	22.1
3	☐	20.000	19.956	198.39	0.0047	P	4.2
4	☐	1000.000	1057.959	8971.81	0.2265	P	5.7
5	☐	2500.000	2509.575	21295.50	0.5366	P	4.4
6	☐	5000.000	4914.937	41208.89	1.0505	P	0.9
7	☐	10000.000	9649.739	80159.18	2.0622	P	1.0
8	☐	20000.000	19583.336	155963.43	4.1845	P	1.9
9	☐	100000.00	100121.79	806212.33	21.3922	P	0.7

$$y = 2.1366\text{E-}004 * x + 4.1055\text{E-}004$$

$$R = 1.0000$$

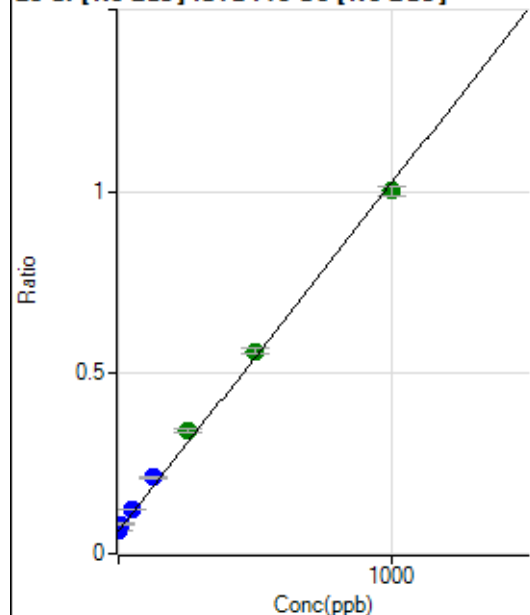
$$DL = 2.853$$

$$BEC = 1.922$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	290993.27	0.0624	P	1.4
2	☐	1.000	2.375	301790.46	0.0646	P	0.8
3	☐	10.000	20.633	379540.02	0.0822	P	3.9
4	☐	50.000	62.859	576237.75	0.1227	P	0.6
5	☐	125.000	153.514	970196.01	0.2098	P	0.8
6	☐	250.000	288.545	1496033.44	0.3395	A	4.4
7	☐	500.000	516.477	2564467.64	0.5584	A	2.8
8	☐	1000.000	977.810	4516155.57	1.0015	A	2.7
9	☐			466738.92	0.1065	P	2.3

$$y = 9.6044\text{E-}004 * x + 0.0624$$

$$R = 0.9988$$

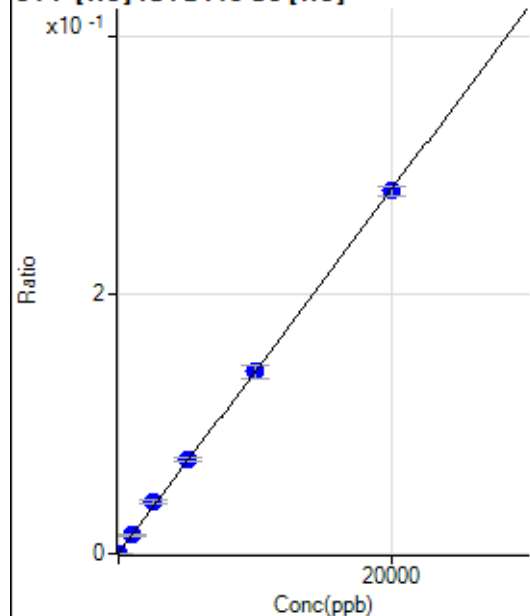
$$DL = 2.63$$

$$BEC = 64.93$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	1.873	8.33	0.0002	P	173.
2	☐	0.000	-7.998	2.78	0.0001	P	173.
3	☐	0.000	6.126	11.11	0.0003	P	114.
4	☐	1000.000	992.204	561.15	0.0141	P	12.1
5	☐	2500.000	2839.052	1591.83	0.0401	P	6.2
6	☐	5000.000	5173.493	2861.53	0.0729	P	5.4
7	☐	10000.000	9985.204	5465.18	0.1406	P	6.7
8	☐	20000.000	19922.033	10448.77	0.2804	P	2.3
9	☐			13.89	0.0004	P	125.

$$y = 1.4064\text{E-}005 * x + 1.7795\text{E-}004$$

$$R = 0.9998$$

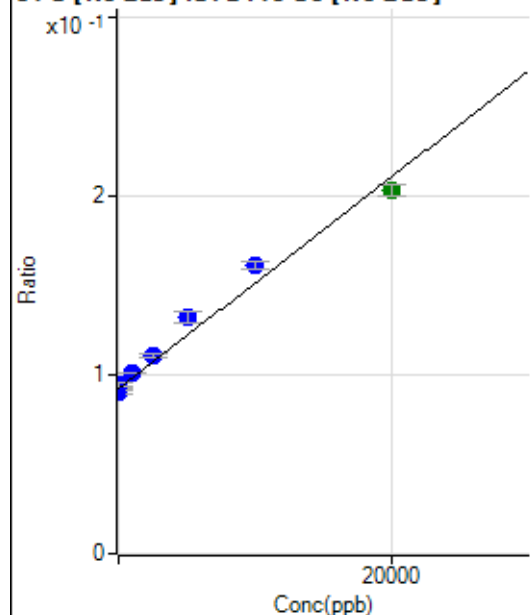
$$DL = 54.73$$

$$BEC = 12.65$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-376.440	419551.41	0.0899	P	2.3
2	☐	0.000	-34.467	429241.48	0.0919	P	0.7
3	☐	0.000	410.907	436881.39	0.0946	P	3.1
4	☐	1000.000	1444.016	472723.35	0.1007	P	0.3
5	☐	2500.000	3101.639	510902.93	0.1105	P	1.2
6	☐	5000.000	6729.632	581328.64	0.1319	P	4.6
7	☐	10000.000	11603.271	738190.00	0.1607	P	2.8
8	☐	20000.000	18668.551	913098.12	0.2025	A	3.2
9	☐			377824.96	0.0862	P	0.6

$$y = 5.9113\text{E-}006 * x + 0.0922$$

$$R = 0.9901$$

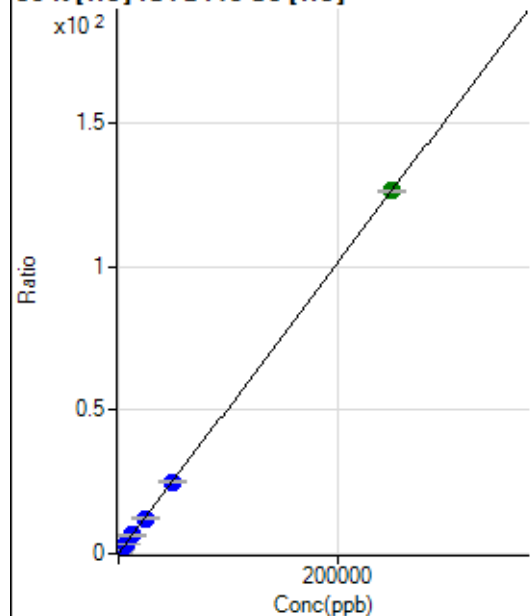
$$DL = 952.2$$

$$BEC = 1.559\text{E}+04$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3442.23	0.0841	P	5.0
2	☐	50.000	44.290	4475.90	0.1065	P	5.6
3	☐	500.000	501.981	14338.44	0.3379	P	4.7
4	☐	2500.000	2689.982	57208.54	1.4438	P	5.2
5	☐	6250.000	6444.848	132658.26	3.3416	P	2.7
6	☐	12500.000	12453.302	250185.82	6.3785	P	1.5
7	☐	25000.000	24371.662	482104.82	12.4025	P	1.1
8	☐	50000.000	49567.888	936937.33	25.1376	P	1.7
9	☐	250000.00	250144.81	4767994.38	126.5168	A	0.8

$$y = 5.0544\text{E-}004 * x + 0.0841$$

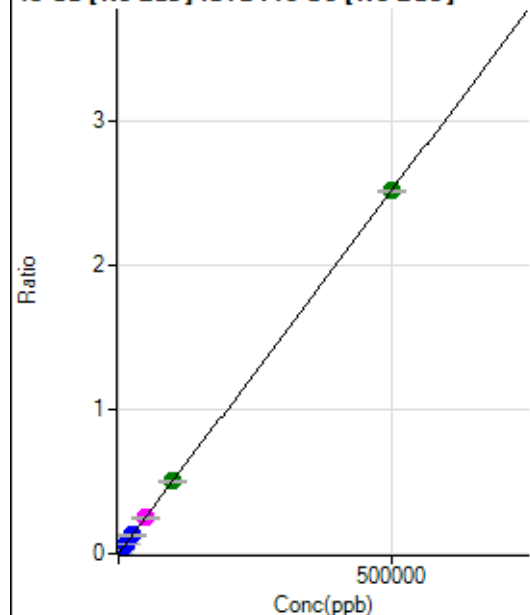
$$R = 1.0000$$

$$DL = 24.89$$

$$BEC = 166.5$$

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	558.37	0.0001	P	3.9
2	☐	50.000	52.804	1800.21	0.0004	P	12.1
3	☐	500.000	481.515	11747.08	0.0025	P	7.1
4	☐	5000.000	4930.416	117174.79	0.0250	P	1.5
5	☐	12500.000	12464.764	290929.85	0.0629	P	1.4
6	☐	25000.000	25705.739	571158.98	0.1296	P	4.6
7	☐	50000.000	49472.671	1145060.34	0.2494	M	3.3
8	☐	100000.00	100387.78	2280977.68	0.5059	A	3.0
9	☐	500000.00	499941.48	11040836.27	2.5187	A	0.6

$$y = 5.0378\text{E-}006 * x + 1.1966\text{E-}004$$

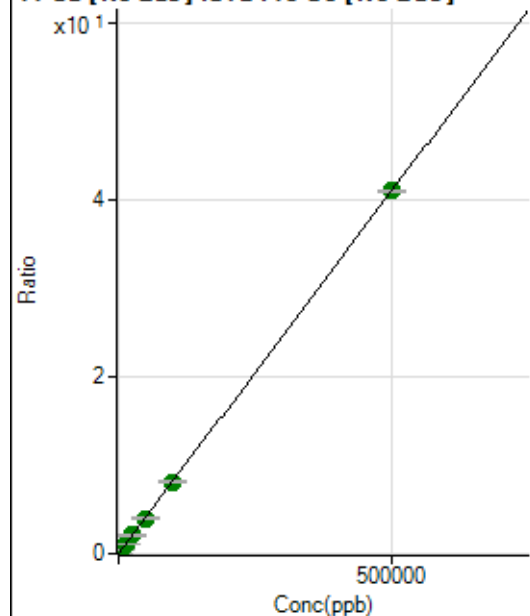
$$R = 1.0000$$

$$DL = 2.767$$

$$BEC = 23.75$$

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	17325.31	0.0037	P	1.2
2	☐	50.000	50.645	36724.09	0.0079	P	2.0
3	☐	500.000	480.649	199182.75	0.0431	P	4.9
4	☐	5000.000	5040.325	1958561.30	0.4172	A	0.3
5	☐	12500.000	12451.696	4740500.02	1.0251	A	0.2
6	☐	25000.000	25735.269	9317988.58	2.1147	A	4.7
7	☐	50000.000	49002.210	18476009.79	4.0233	A	3.1
8	☐	100000.00	98908.939	36600129.29	8.1170	A	3.2
9	☐	500000.00	500282.05	179903392.9	41.0410	A	0.2

$$y = 8.2028\text{E-}005 * x + 0.0037$$

$$R = 1.0000$$

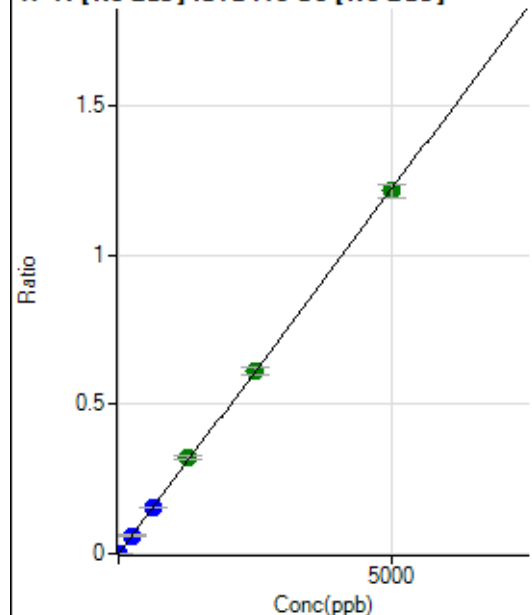
$$DL = 1.583$$

$$BEC = 45.25$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125.01	0.0000	P	28.0
2	☐	0.500	0.536	736.16	0.0002	P	2.5
3	☐	5.000	4.985	5751.45	0.0012	P	3.2
4	☐	250.000	250.246	287281.03	0.0612	P	0.7
5	☐	625.000	634.124	716826.80	0.1550	P	0.8
6	☐	1250.000	1321.544	1423044.62	0.3230	A	5.3
7	☐	2500.000	2508.201	2815181.33	0.6131	A	3.4
8	☐	5000.000	4976.861	5484196.78	1.2164	A	3.9
9	☐			1208.43	0.0003	P	5.6

$$y = 2.4441\text{E-}004 * x + 2.6718\text{E-}005$$

$$R = 0.9999$$

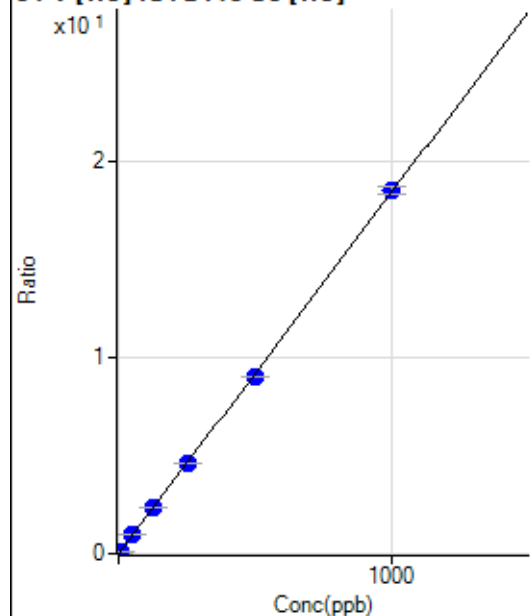
$$DL = 0.09179$$

$$BEC = 0.1093$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0001	P	173.
2	☐	0.500	0.462	362.23	0.0086	P	5.8
3	☐	5.000	4.819	3779.46	0.0890	P	3.3
4	☐	50.000	52.561	38472.87	0.9703	P	2.8
5	☐	125.000	127.252	93255.38	2.3491	P	2.8
6	☐	250.000	248.344	179825.42	4.5844	P	0.4
7	☐	500.000	491.327	352566.44	9.0698	P	0.3
8	☐	1000.000	1004.342	690999.34	18.5399	P	1.9
9	☐			395.57	0.0105	P	6.0

$$y = 0.0185 * x + 8.1714\text{E-}005$$

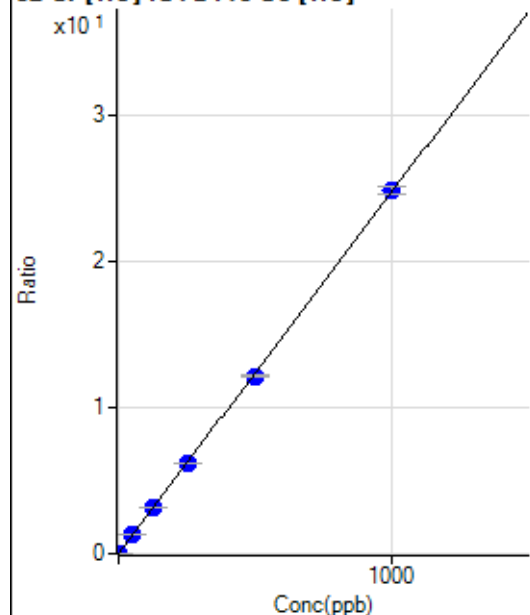
$$R = 0.9999$$

$$DL = 0.023$$

$$BEC = 0.004427$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	443.35	0.0108	P	5.9
2	☐	0.200	0.191	653.36	0.0155	P	1.4
3	☐	2.000	2.026	2585.84	0.0609	P	4.6
4	☐	50.000	53.444	52799.26	1.3322	P	4.4
5	☐	125.000	127.862	125920.78	3.1722	P	3.1
6	☐	250.000	249.284	242183.39	6.1743	P	0.7
7	☐	500.000	491.068	472382.01	12.1523	P	0.7
8	☐	1000.000	1004.115	925670.67	24.8371	P	2.2
9	☐			42653.86	1.1318	P	1.3

$$y = 0.0247 * x + 0.0108$$

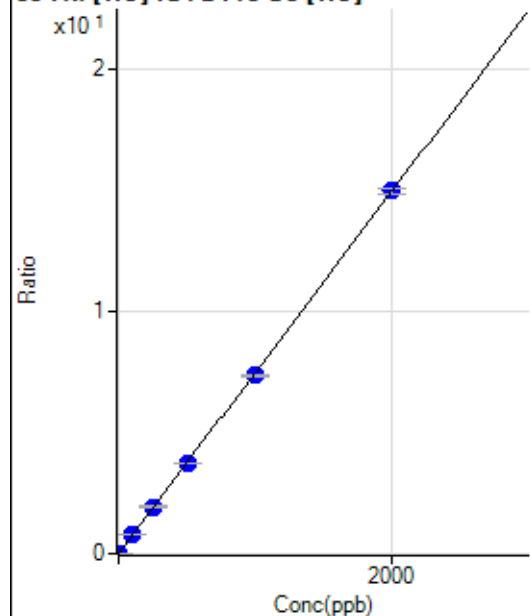
$$R = 0.9999$$

$$DL = 0.07717$$

$$BEC = 0.4384$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50.00	0.0012	P	50.0
2	☐	0.100	0.103	83.34	0.0020	P	21.7
3	☐	1.000	1.103	401.13	0.0094	P	8.9
4	☐	100.000	107.120	31742.90	0.8008	P	4.1
5	☐	250.000	257.817	76451.23	1.9258	P	2.7
6	☐	500.000	500.095	146481.40	3.7343	P	0.2
7	☐	1000.000	987.055	286461.66	7.3694	P	0.9
8	☐	2000.000	2005.116	557926.27	14.9690	P	1.7
9	☐			3327.13	0.0883	P	3.1

$$y = 0.0075 * x + 0.0012$$

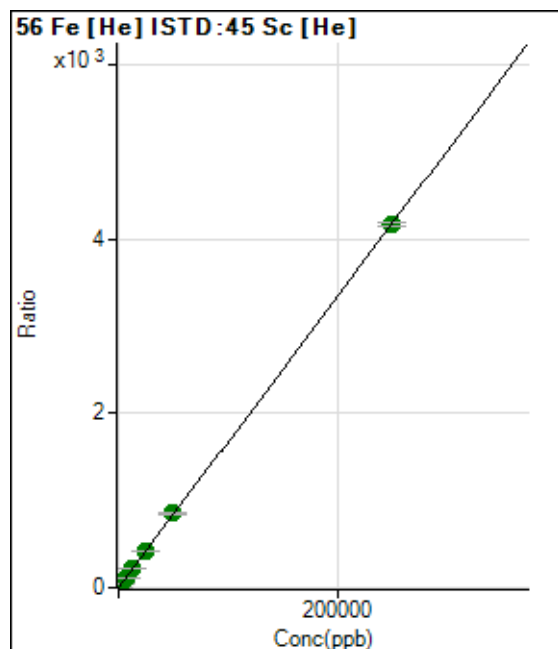
$$R = 1.0000$$

$$DL = 0.2431$$

$$BEC = 0.162$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1379.74	0.0336	P	9.9
2	☐	5.000	5.316	5139.97	0.1223	P	0.5
3	☐	50.000	50.590	37261.38	0.8778	P	2.4
4	☐	2500.000	2745.260	1817201.47	45.8403	A	3.5
5	☐	6250.000	6617.070	4384468.09	110.4444	A	2.8
6	☐	12500.000	12803.507	8381069.92	213.6697	A	1.0
7	☐	25000.000	25229.011	16364949.33	420.9985	A	0.9
8	☐	50000.000	51218.374	31853395.39	854.6504	A	2.0
9	☐	250000.00	249706.61	157020557.2	4,166.575	A	1.2

$$y = 0.0167 * x + 0.0336$$

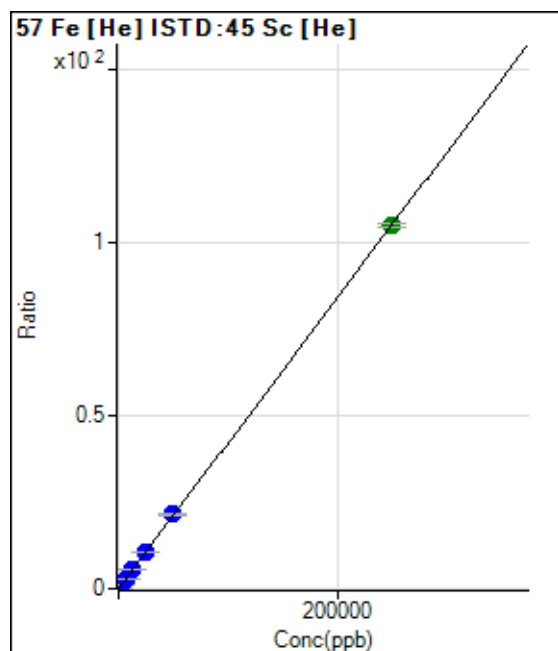
$$R = 1.0000$$

$$DL = 0.5964$$

$$BEC = 2.016$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.45	0.0011	P	27.7
2	☐	5.000	6.528	161.12	0.0038	P	12.4
3	☐	50.000	52.171	977.84	0.0230	P	5.3
4	☐	2500.000	2655.374	44296.70	1.1172	P	2.8
5	☐	6250.000	6506.897	108616.02	2.7361	P	3.0
6	☐	12500.000	12652.347	208645.77	5.3193	P	0.8
7	☐	25000.000	25097.252	410111.28	10.5502	P	0.7
8	☐	50000.000	51173.082	801700.13	21.5107	P	2.2
9	☐	250000.00	249740.06	3956110.16	104.9744	A	1.0

$$y = 4.2033E-004 * x + 0.0011$$

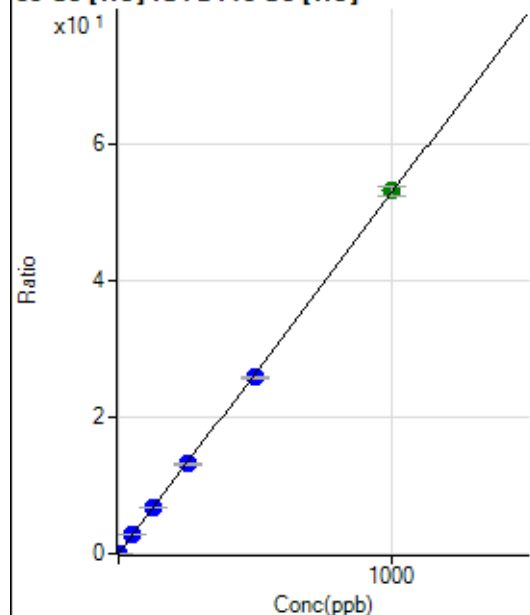
$$R = 1.0000$$

$$DL = 2.157$$

$$BEC = 2.596$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	72.22	0.0018	P	22.4
2	☐	0.100	0.095	285.56	0.0068	P	8.2
3	☐	1.000	0.955	2221.33	0.0523	P	1.1
4	☐	50.000	52.835	110852.16	2.7964	P	3.6
5	☐	125.000	127.673	268173.60	6.7550	P	2.6
6	☐	250.000	248.054	514728.30	13.1226	P	0.8
7	☐	500.000	489.198	1005917.75	25.8778	P	1.0
8	☐	1000.000	1005.412	1982060.53	53.1829	A	2.4
9	☐			24575.20	0.6522	P	3.1

$$y = 0.0529 * x + 0.0018$$

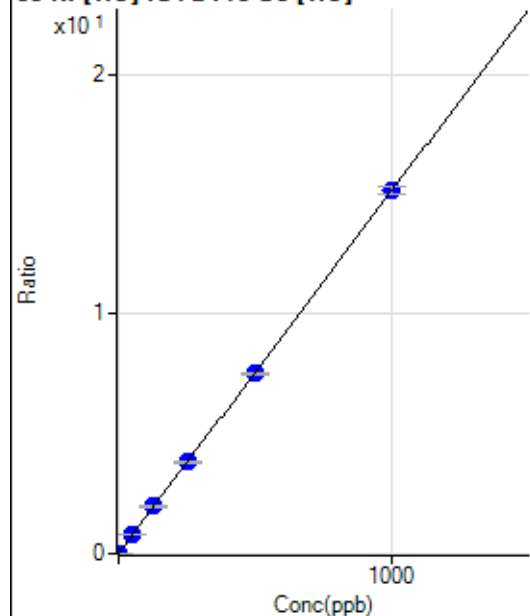
$$R = 0.9999$$

$$DL = 0.02244$$

$$BEC = 0.03345$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	342.23	0.0084	P	11.3
2	☐	0.100	0.114	424.46	0.0101	P	11.4
3	☐	1.000	1.085	1052.28	0.0248	P	8.5
4	☐	50.000	54.276	32900.16	0.8299	P	3.1
5	☐	125.000	129.524	78152.05	1.9688	P	3.1
6	☐	250.000	252.348	150142.05	3.8278	P	0.9
7	☐	500.000	496.394	292375.27	7.5215	P	0.7
8	☐	1000.000	1000.437	564643.56	15.1504	P	2.3
9	☐			20503.05	0.5440	P	1.2

$$y = 0.0151 * x + 0.0084$$

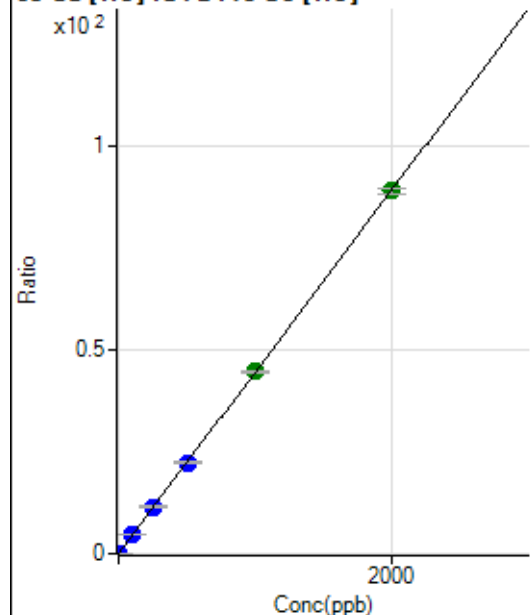
$$R = 1.0000$$

$$DL = 0.1883$$

$$BEC = 0.5533$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	482.24	0.0118	P	7.7
2	☐	0.200	0.187	846.71	0.0201	P	8.5
3	☐	2.000	1.968	4219.60	0.0994	P	3.0
4	☐	100.000	106.058	187665.07	4.7343	P	3.8
5	☐	250.000	256.748	454275.61	11.4442	P	3.2
6	☐	500.000	502.459	878055.14	22.3852	P	0.6
7	☐	1000.000	1000.695	1732571.71	44.5705	A	0.3
8	☐	2000.000	1997.891	3316295.05	88.9734	A	1.6
9	☐			7400.98	0.1964	P	2.8

$$y = 0.0445 * x + 0.0118$$

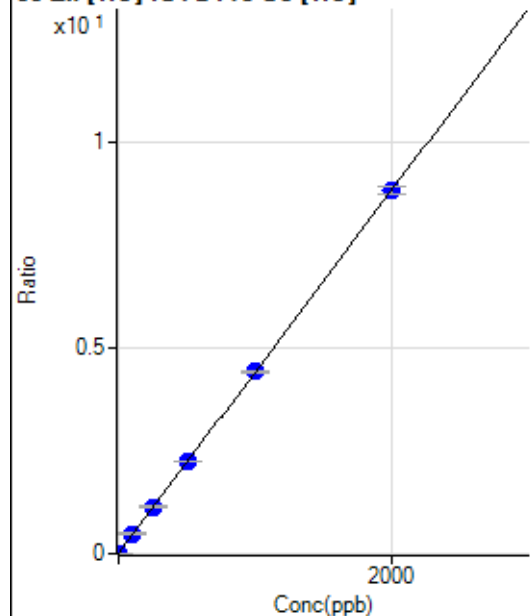
$$R = 1.0000$$

$$DL = 0.06151$$

$$BEC = 0.2649$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	257.79	0.0063	P	10.1
2	☐	0.200	0.096	282.23	0.0067	P	6.8
3	☐	2.000	1.906	624.47	0.0147	P	9.8
4	☐	100.000	107.996	19098.94	0.4818	P	3.9
5	☐	250.000	257.381	45242.54	1.1396	P	2.6
6	☐	500.000	503.453	87203.99	2.2231	P	0.2
7	☐	1000.000	1000.724	171533.26	4.4127	P	0.3
8	☐	2000.000	1997.452	328035.40	8.8015	P	2.1
9	☐			2141.32	0.0568	P	1.0

$$y = 0.0044 * x + 0.0063$$

$$R = 1.0000$$

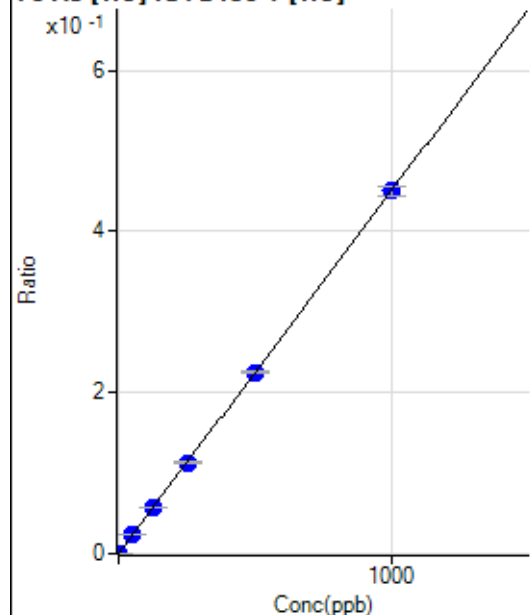
$$DL = 0.4346$$

$$BEC = 1.43$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.70	0.0000	P	2.4
2	☐	0.100	0.143	22.22	0.0001	P	31.7
3	☐	1.000	1.009	133.33	0.0005	P	9.5
4	☐	50.000	53.182	6489.86	0.0240	P	6.1
5	☐	125.000	127.514	15827.04	0.0575	P	2.2
6	☐	250.000	251.189	30437.81	0.1132	P	0.4
7	☐	500.000	499.402	59754.42	0.2251	P	1.3
8	☐	1000.000	999.528	116073.65	0.4505	P	2.7
9	☐			194.45	0.0007	P	10.3

$$y = 4.5068\text{E-}004 * x + 1.3352\text{E-}005$$

$$R = 1.0000$$

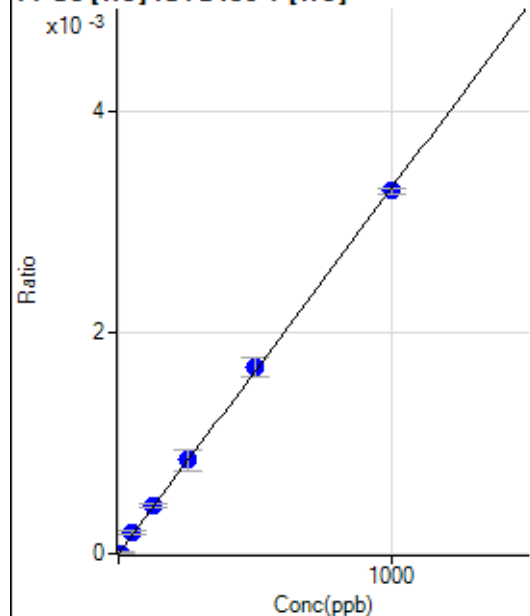
$$DL = 0.002173$$

$$BEC = 0.02963$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500	1.167	1.11	0.0000	P	173.
3	☐	5.000	2.353	2.22	0.0000	P	86.6
4	☐	50.000	59.332	53.33	0.0002	P	19.3
5	☐	125.000	133.300	121.12	0.0004	P	8.1
6	☐	250.000	256.341	227.78	0.0008	P	23.8
7	☐	500.000	508.151	445.57	0.0017	P	10.4
8	☐	1000.000	992.848	845.60	0.0033	P	1.9
9	☐			0.00	0.0000	P	

$$y = 3.3031\text{E-}006 * x + 0.0000\text{E+}000$$

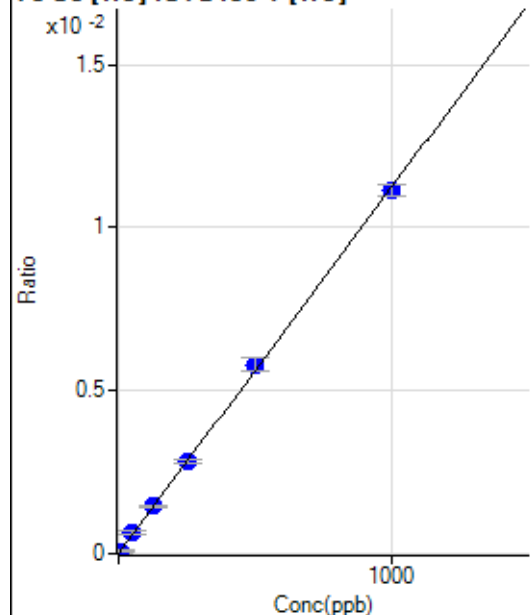
$$R = 0.9999$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1.85	0.0000	P	98.5
2	☐	0.500	1.158	5.56	0.0000	P	58.3
3	☐	5.000	5.965	20.99	0.0001	P	44.0
4	☐	50.000	58.307	179.02	0.0007	P	13.5
5	☐	125.000	128.616	399.39	0.0015	P	3.0
6	☐	250.000	253.618	767.31	0.0029	P	3.8
7	☐	500.000	515.797	1538.99	0.0058	P	7.0
8	☐	1000.000	990.324	2866.38	0.0111	P	3.2
9	☐			3.70	0.0000	P	50.4

$$y = 1.1228\text{E-}005 * x + 6.6614\text{E-}006$$

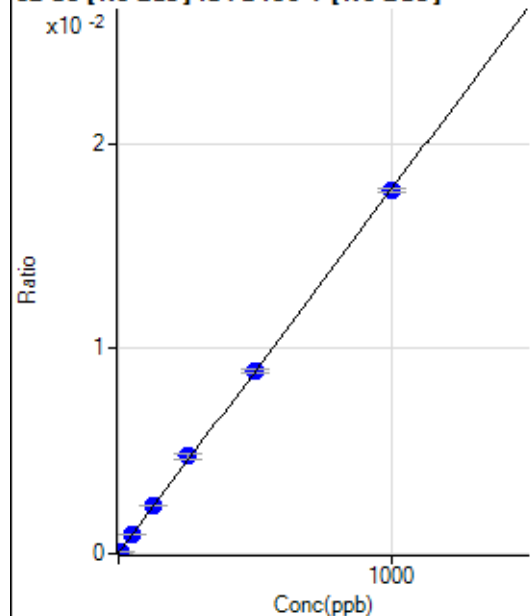
$$R = 0.9998$$

$$DL = 1.754$$

$$BEC = 0.5933$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	213.79	0.0000	P	11.6
2	☐	0.500	0.625	295.74	0.0000	P	10.3
3	☐	5.000	5.145	862.84	0.0001	P	5.4
4	☐	50.000	51.189	6798.45	0.0009	P	1.8
5	☐	125.000	128.742	16718.83	0.0023	P	0.6
6	☐	250.000	265.182	33006.87	0.0047	P	5.0
7	☐	500.000	500.599	64926.37	0.0089	P	2.3
8	☐	1000.000	995.377	127603.40	0.0177	P	1.1
9	☐			356.27	0.0001	P	7.0

$$y = 1.7742\text{E-}005 * x + 3.0338\text{E-}005$$

$$R = 0.9999$$

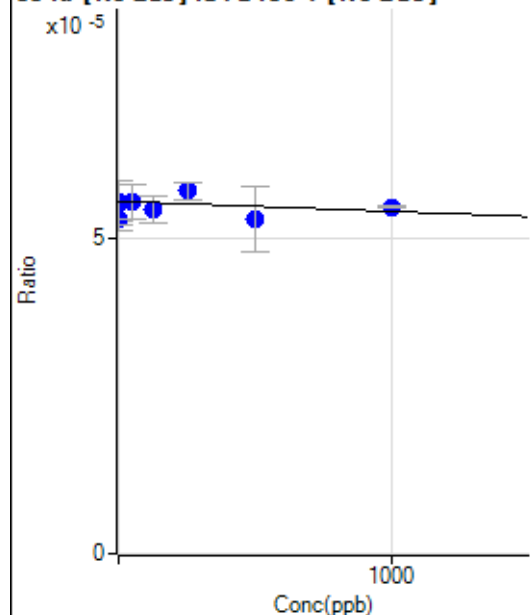
$$DL = 0.5937$$

$$BEC = 1.71$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] ISTD:89 Y [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	395.57	0.0001	P	11.6
2	☐	0.100	1755.279	380.01	0.0001	P	7.0
3	☐	1.000	203.897	394.46	0.0001	P	12.7
4	☐	50.000	101.501	404.46	0.0001	P	9.6
5	☐	125.000	881.877	394.46	0.0001	P	7.8
6	☐	250.000	-1016.221	402.23	0.0001	P	5.1
7	☐	500.000	1836.430	386.68	0.0001	P	19.6
8	☐	1000.000	550.777	397.79	0.0001	P	0.9
9	☐			378.90	0.0001	P	13.9

$$y = -1.6137\text{E-}009 * x + 5.6036\text{E-}005$$

$$R = -0.1251$$

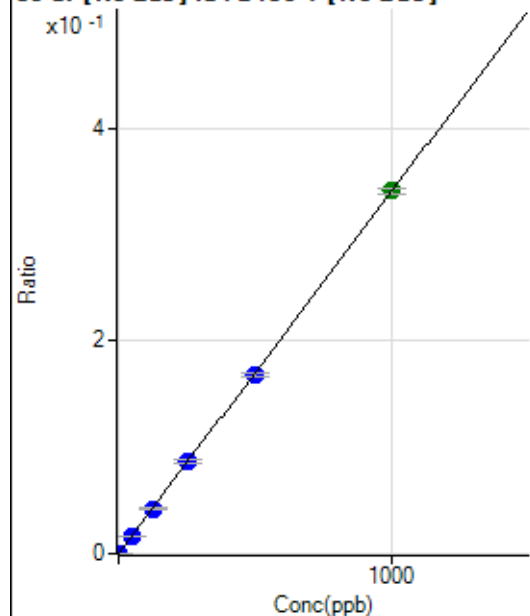
$$DL = -1.204\text{E+}04$$

$$BEC = -3.473\text{E+}04$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	683.38	0.0001	P	12.3
2	☐	0.100	0.051	816.73	0.0001	P	7.6
3	☐	1.000	0.913	2892.12	0.0004	P	6.7
4	☐	50.000	49.590	122879.61	0.0170	P	1.5
5	☐	125.000	124.089	305605.14	0.0423	P	1.1
6	☐	250.000	256.673	609416.99	0.0874	P	4.2
7	☐	500.000	493.279	1223252.12	0.1679	P	1.9
8	☐	1000.000	1001.827	2458805.16	0.3409	A	1.6
9	☐			10718.57	0.0015	P	2.5

$$y = 3.4017\text{E-}004 * x + 9.6876\text{E-}005$$

$$R = 0.9999$$

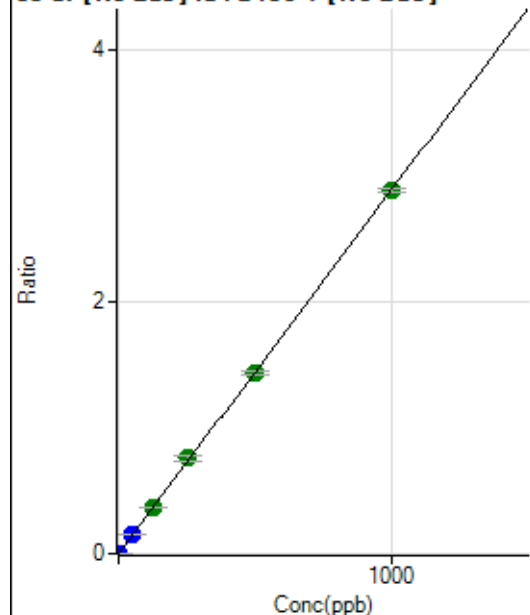
$$DL = 0.1049$$

$$BEC = 0.2848$$

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	147.23	0.0000	P	10.6
2	☐	0.100	0.106	2339.20	0.0003	P	0.9
3	☐	1.000	1.025	21108.78	0.0030	P	6.6
4	☐	50.000	50.857	1063131.77	0.1468	P	1.0
5	☐	125.000	128.380	2676354.23	0.3705	A	0.9
6	☐	250.000	261.797	5267472.25	0.7555	A	4.3
7	☐	500.000	497.959	10470711.95	1.4371	A	1.5
8	☐	1000.000	997.606	20766531.54	2.8790	A	1.1
9	☐			91892.79	0.0133	P	0.9

$$y = 0.0029 * x + 2.0857E-005$$

$$R = 0.9999$$

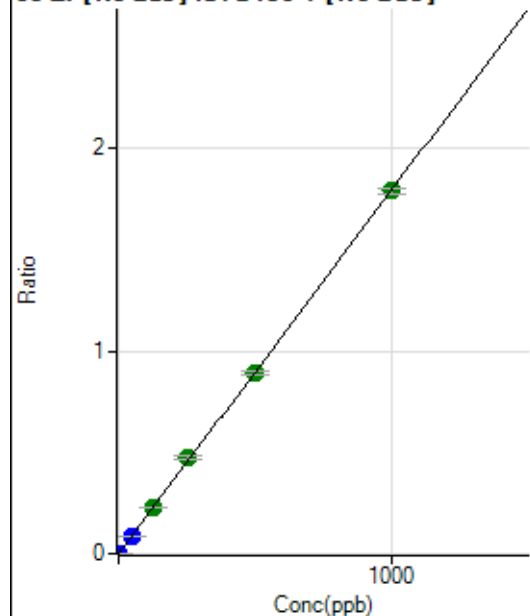
$$DL = 0.002289$$

$$BEC = 0.007227$$

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	650.05	0.0001	P	4.5
2	☐	0.100	0.083	1722.42	0.0002	P	15.9
3	☐	1.000	0.942	12625.86	0.0018	P	5.9
4	☐	50.000	49.404	641848.82	0.0886	P	0.9
5	☐	125.000	127.096	1645850.87	0.2278	A	0.7
6	☐	250.000	263.109	3287611.86	0.4716	A	4.4
7	☐	500.000	496.472	6482817.64	0.8897	A	1.6
8	☐	1000.000	998.254	12903310.18	1.7889	A	1.4
9	☐			3475.62	0.0005	P	1.8

$$y = 0.0018 * x + 9.2159E-005$$

$$R = 0.9999$$

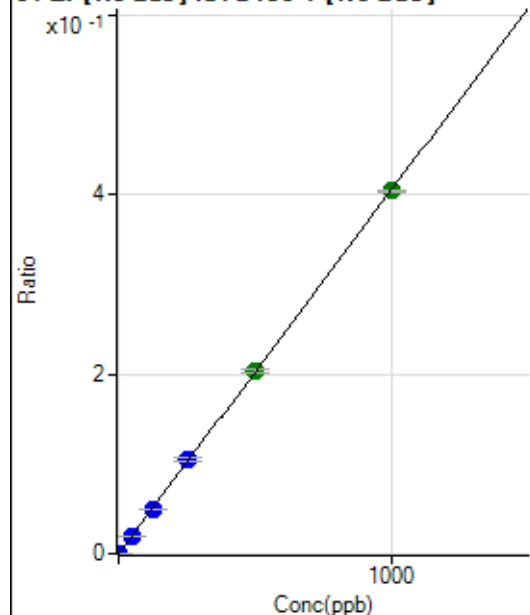
$$DL = 0.006925$$

$$BEC = 0.05143$$

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	119.45	0.0000	P	32.3
2	☐	0.100	0.095	394.47	0.0001	P	4.1
3	☐	1.000	0.876	2636.49	0.0004	P	1.2
4	☐	50.000	48.683	142840.64	0.0197	P	1.0
5	☐	125.000	122.648	358705.91	0.0497	P	1.5
6	☐	250.000	257.167	725790.45	0.1041	P	4.6
7	☐	500.000	502.292	1481421.34	0.2033	A	2.3
8	☐	1000.000	997.423	2912347.87	0.4037	A	0.7
9	☐			805.62	0.0001	P	16.9

$$y = 4.0477\text{E-}004 * x + 1.6906\text{E-}005$$

$$R = 1.0000$$

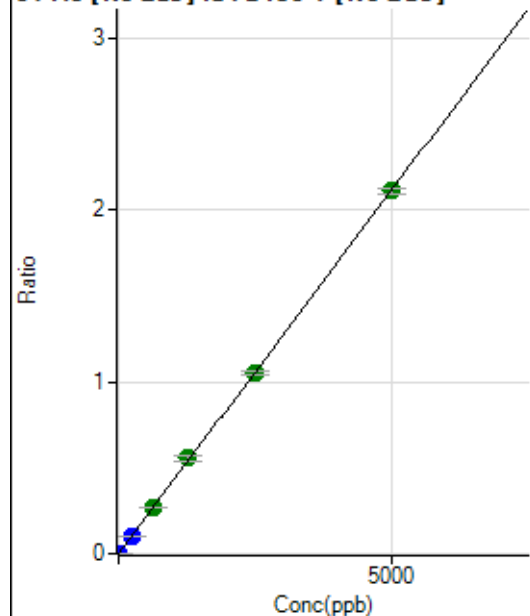
$$DL = 0.04041$$

$$BEC = 0.04177$$

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	283.35	0.0000	P	17.1
2	☐	0.500	0.441	1619.62	0.0002	P	4.5
3	☐	5.000	4.835	14805.87	0.0021	P	3.3
4	☐	250.000	248.493	762279.92	0.1052	P	0.9
5	☐	625.000	638.414	1952767.90	0.2703	A	0.9
6	☐	1250.000	1309.811	3866264.32	0.5546	A	4.6
7	☐	2500.000	2483.653	7661156.16	1.0516	A	2.3
8	☐	5000.000	4991.620	15243788.71	2.1134	A	1.5
9	☐			17937.57	0.0026	P	4.4

$$y = 4.2338\text{E-}004 * x + 4.0117\text{E-}005$$

$$R = 0.9999$$

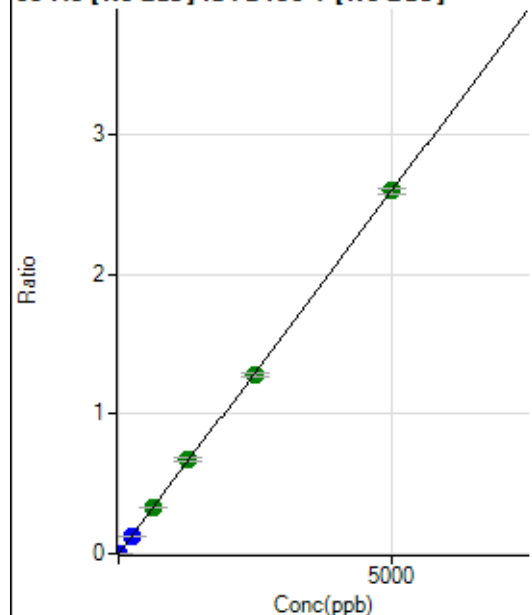
$$DL = 0.04865$$

$$BEC = 0.09475$$

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	144.45	0.0000	P	20.5
2	☐	0.500	0.495	1983.57	0.0003	P	2.6
3	☐	5.000	5.096	18939.01	0.0027	P	3.3
4	☐	250.000	248.795	936987.04	0.1294	P	0.6
5	☐	625.000	632.746	2376360.42	0.3290	A	0.9
6	☐	1250.000	1301.422	4717810.69	0.6766	A	4.0
7	☐	2500.000	2468.449	9349940.14	1.2834	A	2.1
8	☐	5000.000	5002.012	18757041.22	2.6005	A	1.9
9	☐			28528.18	0.0041	P	0.4

$$y = 5.1989\text{E-}004 * x + 2.0483\text{E-}005$$

$$R = 0.9999$$

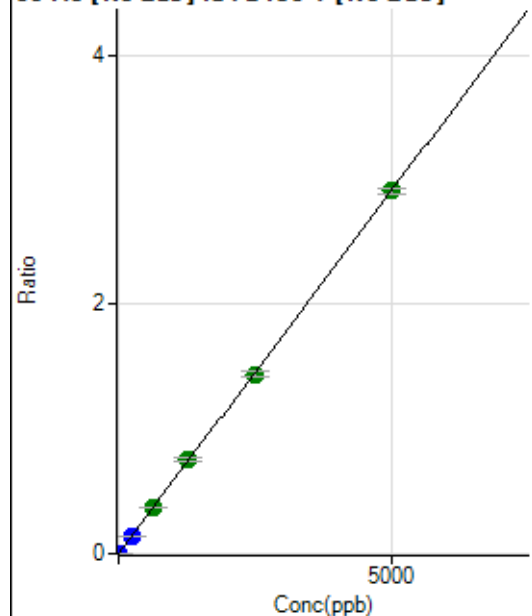
$$DL = 0.02423$$

$$BEC = 0.0394$$

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	250.01	0.0000	P	11.2
2	☐	0.500	0.473	2219.72	0.0003	P	1.2
3	☐	5.000	4.915	20555.23	0.0029	P	5.3
4	☐	250.000	245.724	1037112.26	0.1432	P	1.0
5	☐	625.000	634.779	2671461.78	0.3699	A	2.2
6	☐	1250.000	1303.586	5295578.16	0.7595	A	4.1
7	☐	2500.000	2476.022	10509218.81	1.4426	A	2.7
8	☐	5000.000	4997.584	21001729.12	2.9116	A	1.3
9	☐			32381.39	0.0047	P	3.9

$$y = 5.8260\text{E-}004 * x + 3.5425\text{E-}005$$

$$R = 0.9999$$

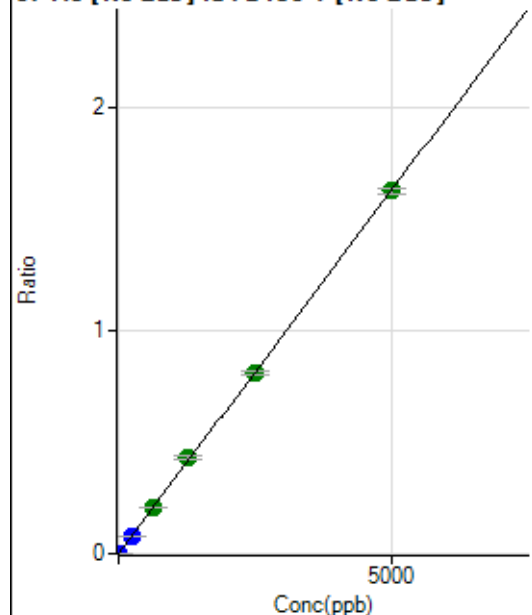
$$DL = 0.02047$$

$$BEC = 0.0608$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	200.01	0.0000	P	12.1
2	☐	0.500	0.483	1327.91	0.0002	P	11.9
3	☐	5.000	4.968	11683.31	0.0016	P	3.7
4	☐	250.000	244.205	576525.46	0.0796	P	1.3
5	☐	625.000	628.868	1480280.64	0.2049	A	2.1
6	☐	1250.000	1318.575	2995005.99	0.4297	A	5.2
7	☐	2500.000	2482.444	5893306.94	0.8089	A	2.4
8	☐	5000.000	4991.440	11731916.41	1.6265	A	1.3
9	☐			18310.32	0.0026	P	3.6

$$y = 3.2585E-004 * x + 2.8384E-005$$

$$R = 0.9999$$

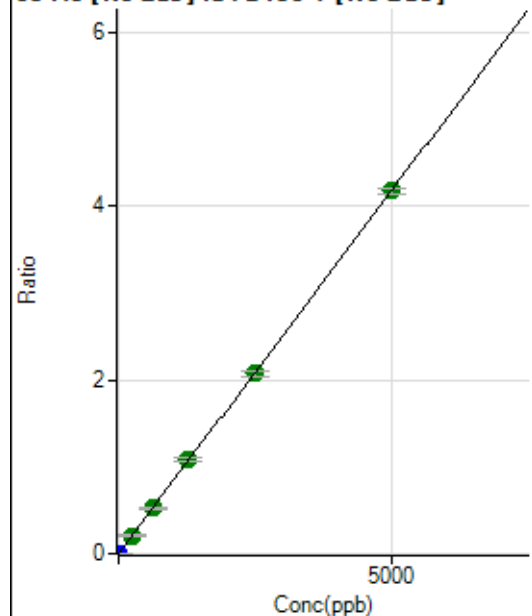
$$DL = 0.03168$$

$$BEC = 0.08711$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	272.24	0.0000	P	22.2
2	☐	0.500	0.501	3258.87	0.0005	P	6.5
3	☐	5.000	4.868	29096.20	0.0041	P	4.3
4	☐	250.000	250.042	1512118.16	0.2088	A	2.1
5	☐	625.000	623.599	3760755.47	0.5207	A	2.0
6	☐	1250.000	1296.447	7545853.29	1.0824	A	4.6
7	☐	2500.000	2478.568	15075481.76	2.0694	A	2.6
8	☐	5000.000	4999.277	30106199.29	4.1738	A	1.5
9	☐			45338.03	0.0065	P	2.4

$$y = 8.3488E-004 * x + 3.8533E-005$$

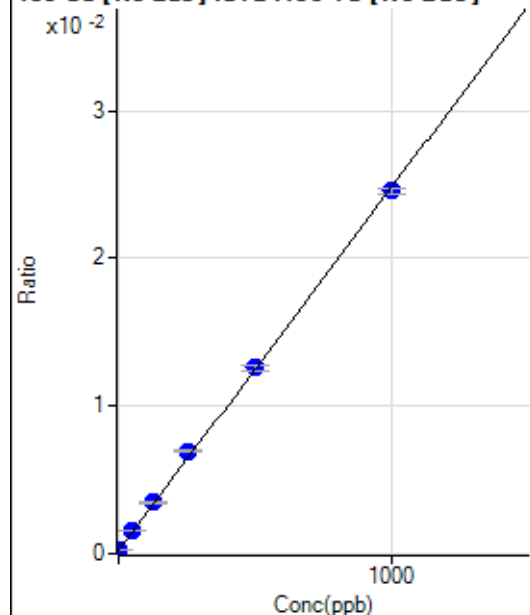
$$R = 0.9999$$

$$DL = 0.03071$$

$$BEC = 0.04615$$

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	1641.84	0.0002	P	1.7
2	☐	0.100	0.269	1697.41	0.0002	P	6.7
3	☐	1.000	1.360	1900.23	0.0002	P	4.9
4	☐	50.000	54.308	12428.55	0.0015	P	1.7
5	☐	125.000	132.055	28394.75	0.0035	P	0.7
6	☐	250.000	273.938	55705.13	0.0069	P	2.6
7	☐	500.000	504.815	107557.81	0.0126	P	3.0
8	☐	1000.000	990.510	209232.42	0.0246	P	1.7
9	☐			1697.41	0.0002	P	4.6

$$y = 2.4589E-005 * x + 2.0689E-004$$

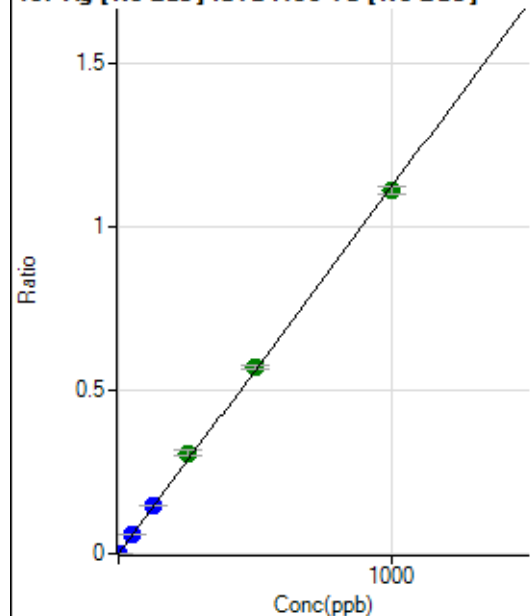
$$R = 0.9997$$

$$DL = 0.4238$$

$$BEC = 8.414$$

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	69.45	0.0000	P	18.5
2	☐	0.100	0.104	1000.09	0.0001	P	8.2
3	☐	1.000	1.062	9487.06	0.0012	P	2.7
4	☐	50.000	53.223	480795.06	0.0597	P	1.2
5	☐	125.000	129.865	1196755.13	0.1456	P	0.3
6	☐	250.000	274.959	2471160.21	0.3082	A	5.0
7	☐	500.000	508.092	4855056.06	0.5696	A	1.2
8	☐	1000.000	988.945	9443041.01	1.1086	A	2.0
9	☐			1072.32	0.0001	P	6.8

$$y = 0.0011 * x + 8.7520E-006$$

$$R = 0.9996$$

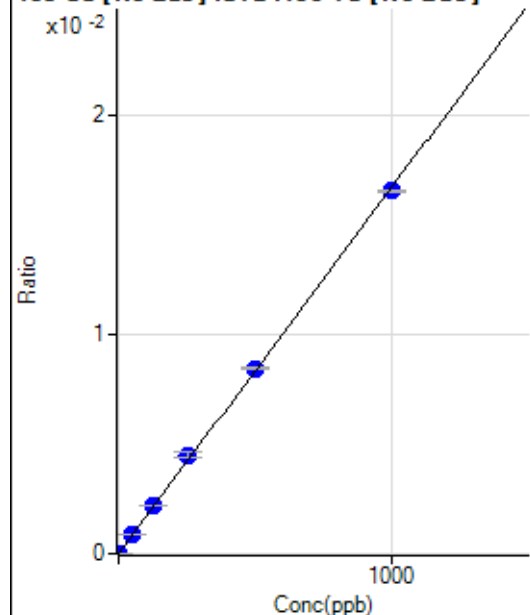
$$DL = 0.004325$$

$$BEC = 0.007808$$

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	18.05	0.0000	P	26.2
2	☐	0.100	0.063	26.39	0.0000	P	25.2
3	☐	1.000	1.134	168.06	0.0000	P	9.0
4	☐	50.000	54.291	7317.40	0.0009	P	1.9
5	☐	125.000	130.911	17974.80	0.0022	P	2.3
6	☐	250.000	270.412	36190.37	0.0045	P	5.4
7	☐	500.000	505.353	71897.55	0.0084	P	1.3
8	☐	1000.000	991.267	140922.88	0.0165	P	0.6
9	☐			47.22	0.0000	P	31.2

$$y = 1.6686E-005 * x + 2.2726E-006$$

$$R = 0.9997$$

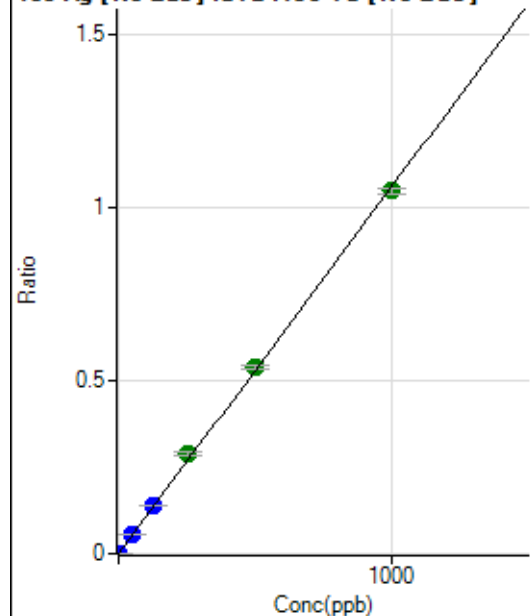
$$DL = 0.107$$

$$BEC = 0.1362$$

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	63.89	0.0000	P	46.5
2	☐	0.100	0.101	913.96	0.0001	P	8.9
3	☐	1.000	1.048	8856.12	0.0011	P	1.4
4	☐	50.000	53.161	454336.09	0.0564	P	0.6
5	☐	125.000	130.812	1140448.64	0.1387	P	0.3
6	☐	250.000	273.901	2329148.84	0.2905	A	4.6
7	☐	500.000	507.646	4588707.57	0.5383	A	1.9
8	☐	1000.000	989.317	8936652.80	1.0491	A	1.9
9	☐			1072.32	0.0001	P	13.4

$$y = 0.0011 * x + 8.0732E-006$$

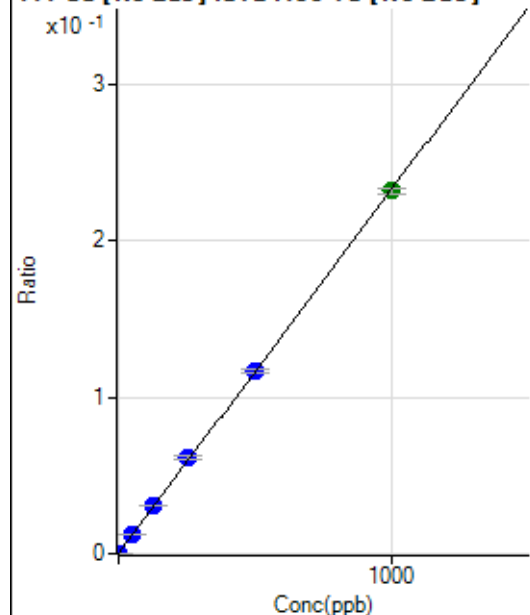
$$R = 0.9996$$

$$DL = 0.01061$$

$$BEC = 0.007613$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1144.99	0.0001	P	2.0
2	☐	0.100	0.126	1380.84	0.0002	P	8.1
3	☐	1.000	1.089	3144.65	0.0004	P	6.7
4	☐	50.000	52.371	99417.34	0.0123	P	0.9
5	☐	125.000	129.219	248508.63	0.0302	P	0.5
6	☐	250.000	264.957	495821.65	0.0618	P	4.5
7	☐	500.000	499.198	991874.85	0.1164	P	2.2
8	☐	1000.000	996.016	1976635.51	0.2320	A	1.5
9	☐			1462.09	0.0002	P	6.2

$$y = 2.3283\text{E-}004 * x + 1.4428\text{E-}004$$

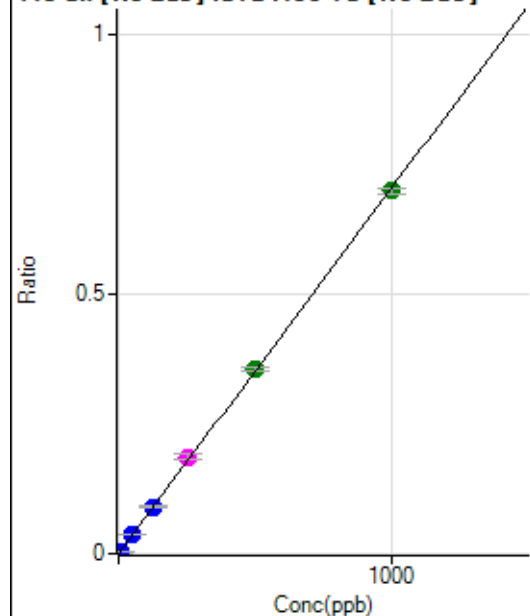
$$R = 0.9999$$

$$DL = 0.03625$$

$$BEC = 0.6197$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	905.63	0.0001	P	7.9
2	☐	0.500	0.519	3811.84	0.0005	P	3.9
3	☐	5.000	5.189	29795.24	0.0038	P	2.9
4	☐	50.000	51.825	294927.57	0.0366	P	0.8
5	☐	125.000	128.548	744924.01	0.0906	P	0.9
6	☐	250.000	265.446	1499395.49	0.1870	M	4.7
7	☐	500.000	505.708	3035624.81	0.3561	A	2.2
8	☐	1000.000	992.749	5954759.07	0.6990	A	1.3
9	☐			7977.92	0.0010	P	2.9

$$y = 7.0403\text{E-}004 * x + 1.1408\text{E-}004$$

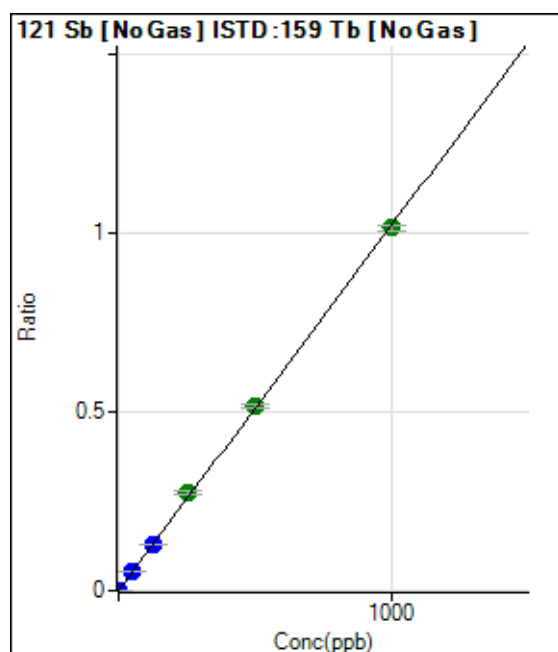
$$R = 0.9998$$

$$DL = 0.03859$$

$$BEC = 0.162$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.35	0.0000	P	48.1
2	☐	0.200	0.209	1905.77	0.0002	P	5.2
3	☐	2.000	2.058	16822.42	0.0021	P	2.1
4	☐	50.000	51.495	423705.72	0.0526	P	1.2
5	☐	125.000	128.073	1074772.08	0.1307	P	0.5
6	☐	250.000	268.338	2196577.22	0.2739	A	4.1
7	☐	500.000	504.268	4387279.57	0.5147	A	1.6
8	☐	1000.000	992.822	8631802.97	1.0133	A	1.6
9	☐			22873.11	0.0028	P	2.2

$$y = 0.0010 * x + 2.6174E-005$$

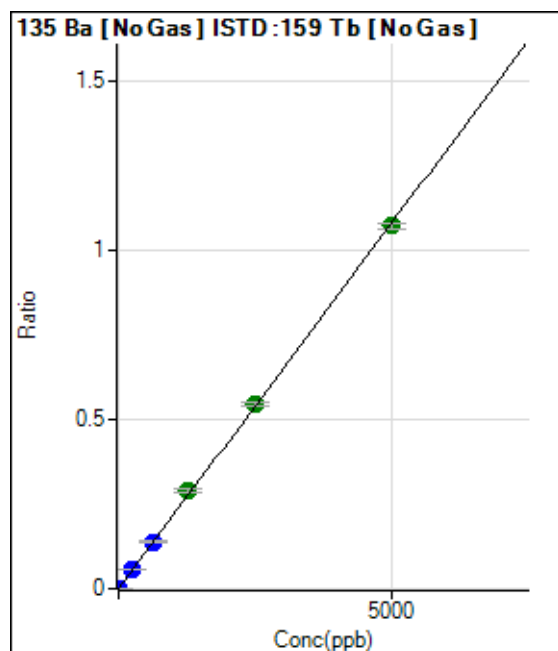
$$R = 0.9998$$

$$DL = 0.03702$$

$$BEC = 0.02564$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	25.00	0.0000	P	32.4
2	☐	1.000	1.007	1752.98	0.0002	P	4.4
3	☐	10.000	10.326	17629.15	0.0022	P	3.0
4	☐	250.000	258.541	449067.07	0.0557	P	0.4
5	☐	625.000	642.296	1138098.14	0.1384	P	0.7
6	☐	1250.000	1343.310	2321339.74	0.2895	A	5.1
7	☐	2500.000	2519.298	4628217.64	0.5430	A	2.4
8	☐	5000.000	4964.434	9114819.12	1.0700	A	1.8
9	☐			2867.12	0.0004	P	3.1

$$y = 2.1554E-004 * x + 3.1442E-006$$

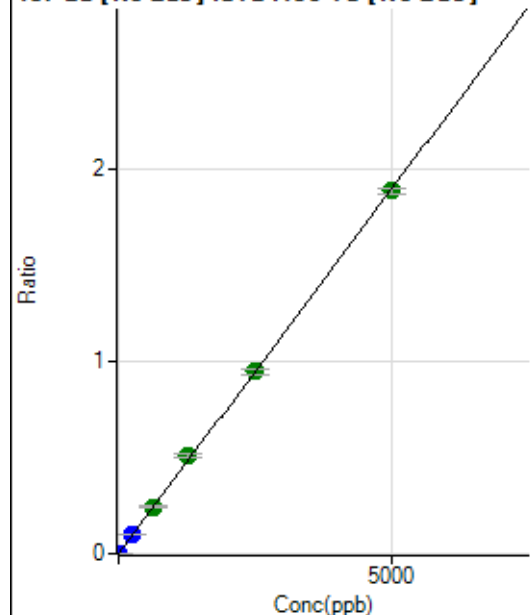
$$R = 0.9998$$

$$DL = 0.0142$$

$$BEC = 0.01459$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	86.11	0.0000	P	73.0
2	☐	1.000	1.008	3133.86	0.0004	P	7.4
3	☐	10.000	10.053	30266.08	0.0038	P	3.4
4	☐	250.000	256.214	783781.49	0.0973	P	0.8
5	☐	625.000	646.309	2016907.57	0.2453	A	1.1
6	☐	1250.000	1337.212	4070987.33	0.5076	A	4.0
7	☐	2500.000	2494.668	8071312.42	0.9470	A	2.3
8	☐	5000.000	4977.888	16096518.24	1.8896	A	1.5
9	☐			4475.97	0.0006	P	2.7

$$y = 3.7959\text{E-}004 * x + 1.0869\text{E-}005$$

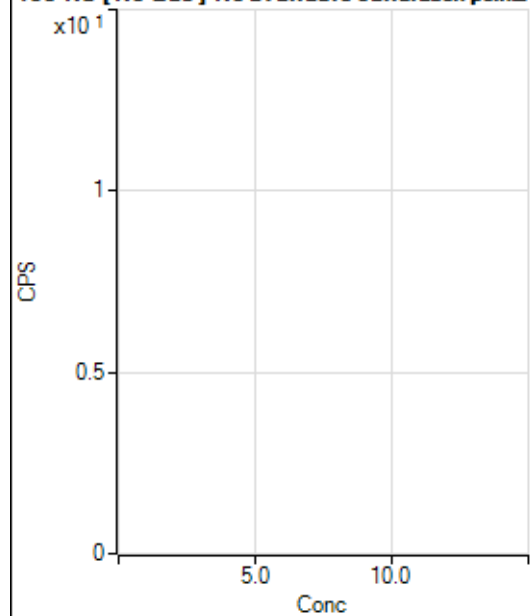
$$R = 0.9998$$

$$DL = 0.06271$$

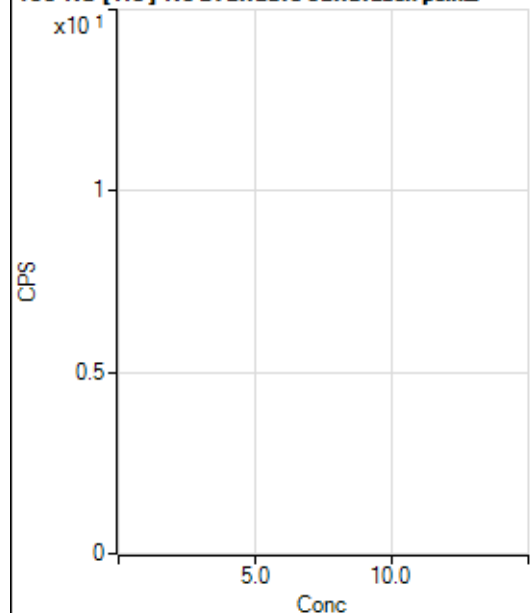
$$BEC = 0.02863$$

Weight: <None>

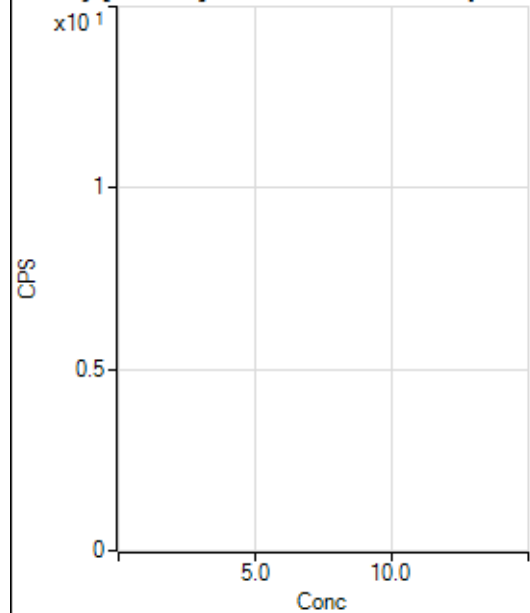
Min Conc: 0

150 Nd [No Gas] No available calibration points

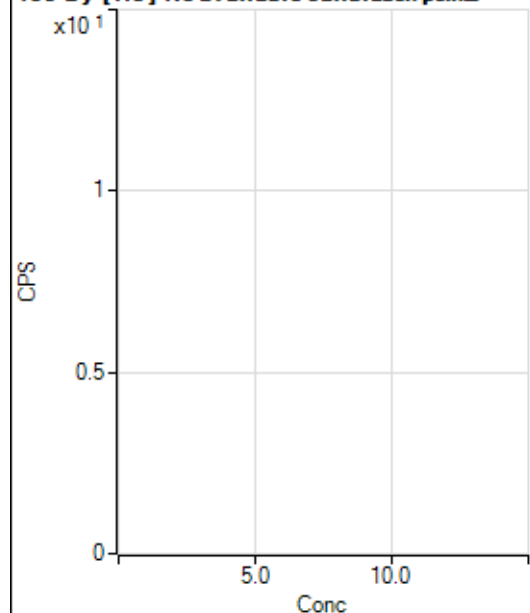
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.45		P	86.6
2	☐			8.89		P	114.
3	☐			8.89		P	114.
4	☐			31.11		P	32.7
5	☐			64.45		P	6.0
6	☐			104.45		P	25.8
7	☐			180.01		P	18.5
8	☐			413.35		P	10.6
9	☐			93.34		P	32.7

150 Nd [He] No available calibration points

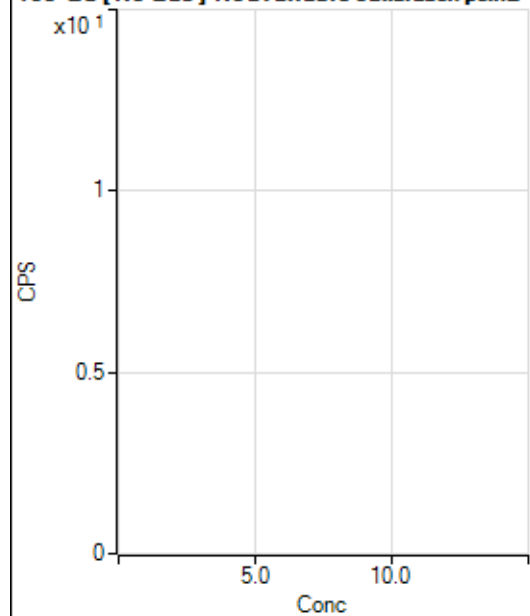
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐			0.00		P	
3	☐			0.00		P	
4	☐			1.11		P	173.
5	☐			0.00		P	
6	☐			2.22		P	86.6
7	☐			6.67		P	86.6
8	☐			10.00		P	66.7
9	☐			13.33		P	25.0

156 Dy [No Gas] No available calibration points

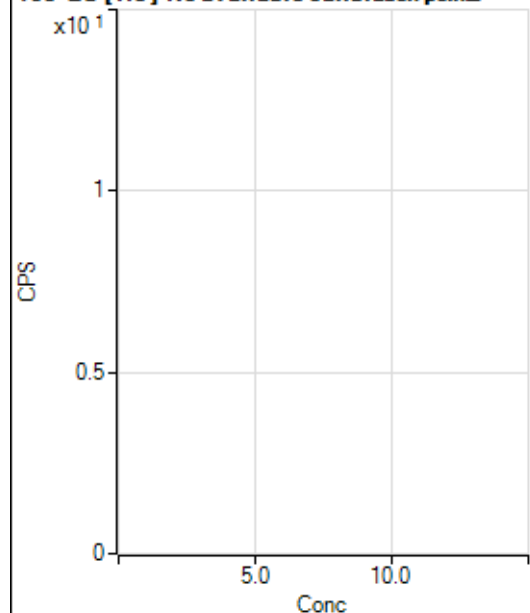
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	43.3
2	☐			19.45		P	65.5
3	☐			13.89		P	34.7
4	☐			33.33		P	43.3
5	☐			47.22		P	36.7
6	☐			44.45		P	28.7
7	☐			75.01		P	40.1
8	☐			122.23		P	3.9
9	☐			136.12		P	12.7

156 Dy [He] No available calibration points

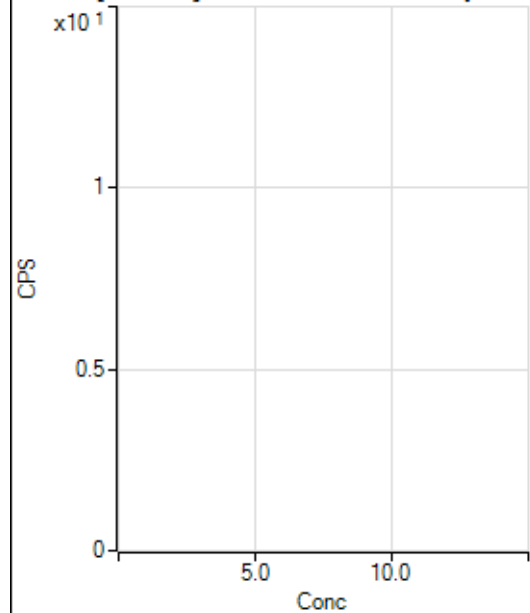
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	86.6
2	☐			0.00		P	
3	☐			0.00		P	
4	☐			3.33		P	0.0
5	☐			4.44		P	114.
6	☐			3.33		P	100.
7	☐			5.56		P	91.6
8	☐			12.22		P	87.7
9	☐			11.11		P	96.4

160 Gd [No Gas] Noavailable calibration poin_

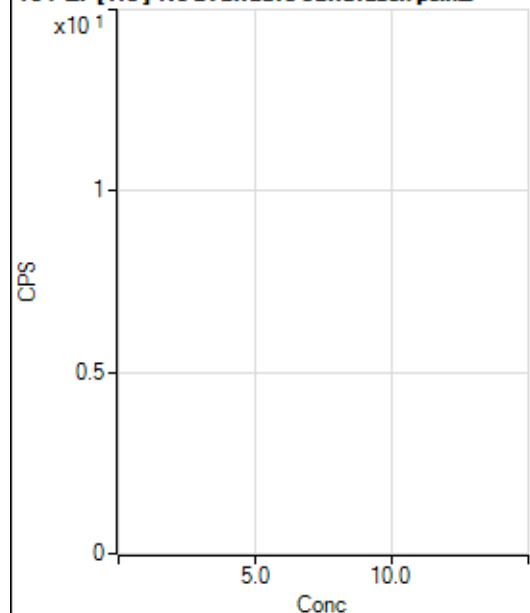
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	56.8
2	☐			72.22		P	6.7
3	☐			38.89		P	32.7
4	☐			66.67		P	43.3
5	☐			88.89		P	5.4
6	☐			72.22		P	6.7
7	☐			75.00		P	22.2
8	☐			80.56		P	21.5
9	☐			105.56		P	39.7

160 Gd [He] No available calibration points

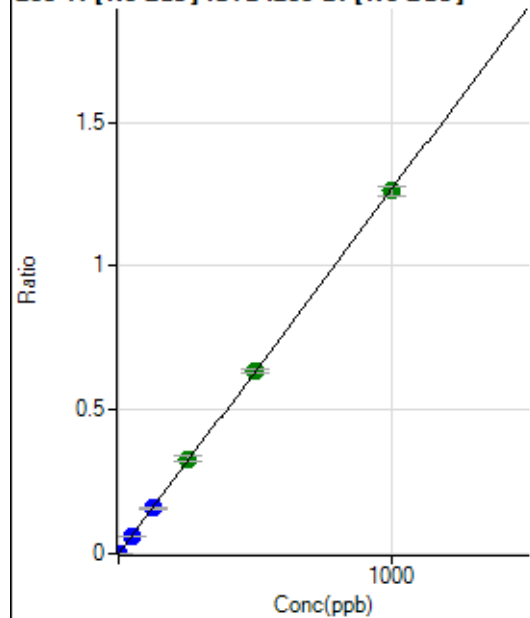
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.33		P	86.6
2	☐			10.00		P	57.7
3	☐			7.78		P	99.0
4	☐			2.22		P	86.6
5	☐			6.67		P	100.
6	☐			3.33		P	100.
7	☐			17.78		P	21.7
8	☐			20.00		P	28.9
9	☐			17.78		P	54.1

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.55		P	68.6
2	☐			38.89		P	44.6
3	☐			47.22		P	10.2
4	☐			22.22		P	78.1
5	☐			36.11		P	35.3
6	☐			30.56		P	41.7
7	☐			41.67		P	52.9
8	☐			38.89		P	49.5
9	☐			44.45		P	28.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	57.3
2	☐			6.66		P	86.6
3	☐			13.34		P	43.3
4	☐			1.11		P	173.
5	☐			7.78		P	89.2
6	☐			4.44		P	114.
7	☐			7.78		P	99.0
8	☐			11.11		P	62.5
9	☐			10.00		P	57.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	216.68	0.0000	P	8.3
2	☐	0.100	0.098	833.41	0.0002	P	14.8
3	☐	1.000	0.937	6115.62	0.0012	P	8.0
4	☐	50.000	48.942	314565.98	0.0620	P	0.5
5	☐	125.000	124.443	811217.55	0.1577	P	0.8
6	☐	250.000	260.517	1658657.44	0.3300	A	5.2
7	☐	500.000	502.287	3384071.43	0.6362	A	2.6
8	☐	1000.000	996.350	6675586.26	1.2620	A	2.4
9	☐			3347.82	0.0007	P	4.2

$$y = 0.0013 * x + 4.3032E-005$$

$$R = 0.9999$$

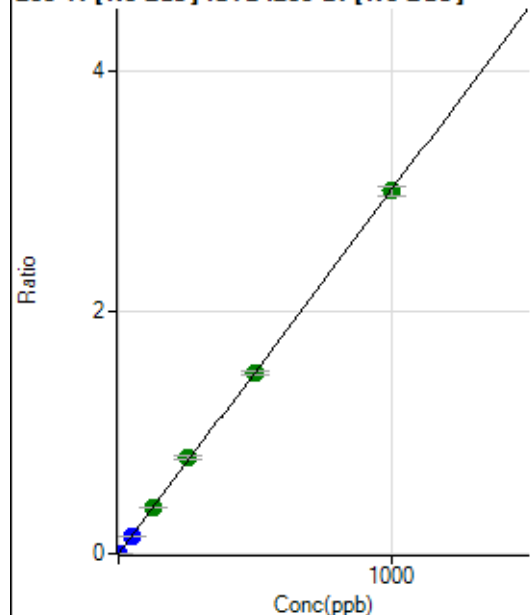
$$DL = 0.008435$$

$$BEC = 0.03398$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	450.03	0.0001	P	14.4
2	☐	0.100	0.100	1955.80	0.0004	P	8.2
3	☐	1.000	0.972	15009.52	0.0030	P	3.6
4	☐	50.000	49.758	759305.41	0.1497	P	0.7
5	☐	125.000	127.331	1970854.80	0.3830	A	1.3
6	☐	250.000	263.536	3983854.17	0.7926	A	5.3
7	☐	500.000	496.887	7948632.12	1.4944	A	2.9
8	☐	1000.000	997.893	15875649.66	3.0011	A	2.4
9	☐			7499.82	0.0016	P	8.7

$$y = 0.0030 * x + 8.9530E-005$$

$$R = 0.9999$$

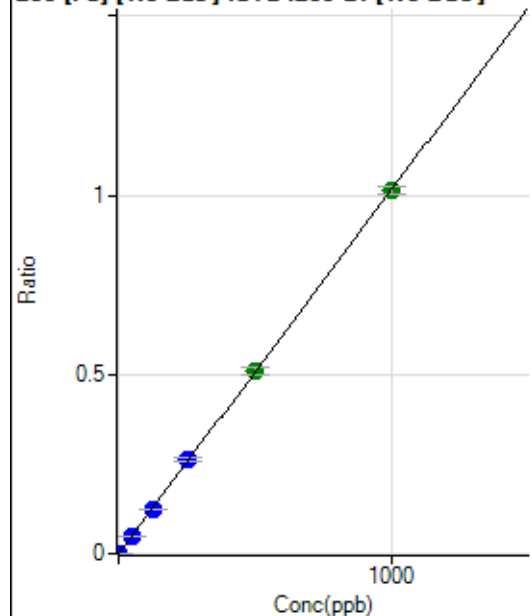
$$DL = 0.01283$$

$$BEC = 0.02977$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	312.98	0.0001	P	15.9
2	☐	0.100	0.111	874.13	0.0002	P	9.7
3	☐	1.000	0.988	5303.12	0.0011	P	3.9
4	☐	50.000	49.034	252683.82	0.0498	P	0.3
5	☐	125.000	123.778	646722.81	0.1257	P	0.3
6	☐	250.000	259.971	1326445.27	0.2639	P	5.2
7	☐	500.000	501.460	2707043.35	0.5090	A	3.5
8	☐	1000.000	996.979	5352972.34	1.0119	A	2.3
9	☐			5434.67	0.0011	P	4.5

$$y = 0.0010 * x + 6.2357E-005$$

$$R = 0.9999$$

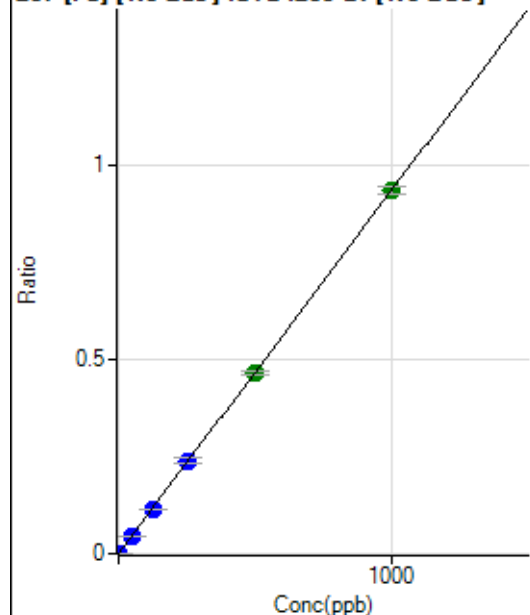
$$DL = 0.02929$$

$$BEC = 0.06144$$

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	275.94	0.0001	P	4.3
2	☐	0.100	0.100	742.64	0.0001	P	16.6
3	☐	1.000	0.986	4864.04	0.0010	P	5.4
4	☐	50.000	48.423	230012.03	0.0454	P	0.9
5	☐	125.000	122.389	589437.39	0.1146	P	0.3
6	☐	250.000	255.810	1203191.07	0.2394	P	5.0
7	☐	500.000	500.062	2488938.28	0.4679	A	2.1
8	☐	1000.000	998.922	4944042.07	0.9346	A	1.9
9	☐			4608.39	0.0010	P	5.1

$$y = 9.3552\text{E-}004 * x + 5.4892\text{E-}005$$

$$R = 1.0000$$

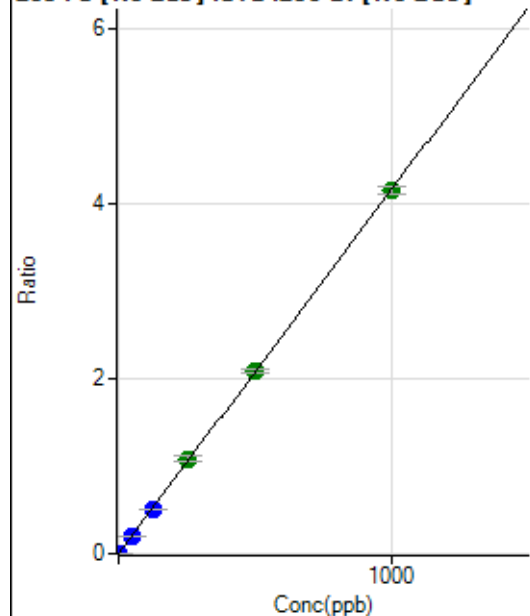
$$DL = 0.007606$$

$$BEC = 0.05868$$

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	1255.62	0.0002	P	10.0
2	☐	0.100	0.102	3370.65	0.0007	P	2.3
3	☐	1.000	0.995	21898.86	0.0044	P	4.1
4	☐	50.000	48.889	1034514.14	0.2040	P	0.1
5	☐	125.000	123.676	2653449.24	0.5157	P	0.2
6	☐	250.000	261.171	5472455.04	1.0887	A	4.9
7	☐	500.000	501.730	11123507.51	2.0912	A	2.7
8	☐	1000.000	996.563	21972247.20	4.1535	A	2.2
9	☐			21277.98	0.0044	P	2.0

$$y = 0.0042 * x + 2.4991\text{E-}004$$

$$R = 0.9999$$

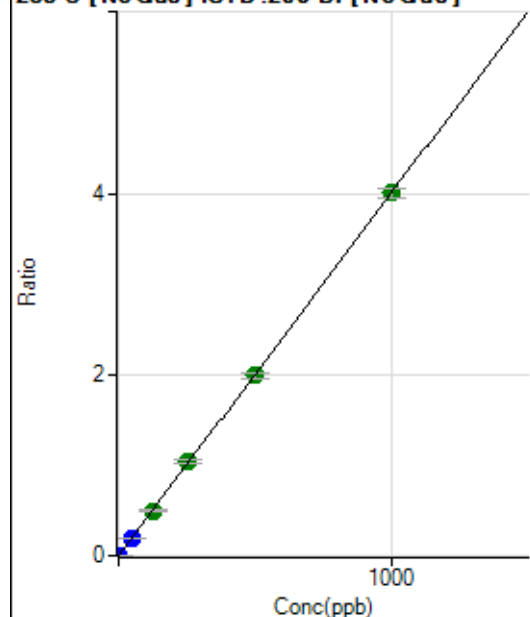
$$DL = 0.01791$$

$$BEC = 0.05997$$

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	100.01	0.0000	P	17.2
2	☐	0.100	0.106	2222.54	0.0004	P	9.1
3	☐	1.000	0.973	19490.98	0.0039	P	8.5
4	☐	50.000	47.964	975021.01	0.1923	P	0.2
5	☐	125.000	124.489	2567569.09	0.4990	A	0.7
6	☐	250.000	259.314	5226194.43	1.0394	A	3.7
7	☐	500.000	496.309	10580613.87	1.9893	A	2.9
8	☐	1000.000	999.683	21195091.10	4.0068	A	2.7
9	☐			3520.12	0.0007	P	5.7

$$y = 0.0040 * x + 1.9902E-005$$

$$R = 0.9999$$

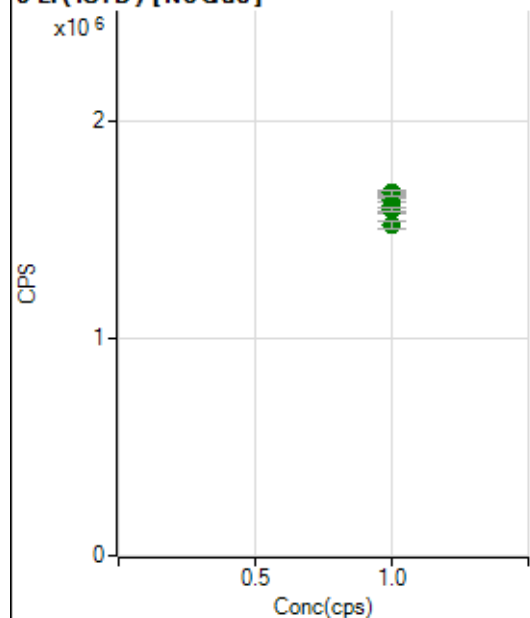
$$DL = 0.002561$$

$$BEC = 0.004965$$

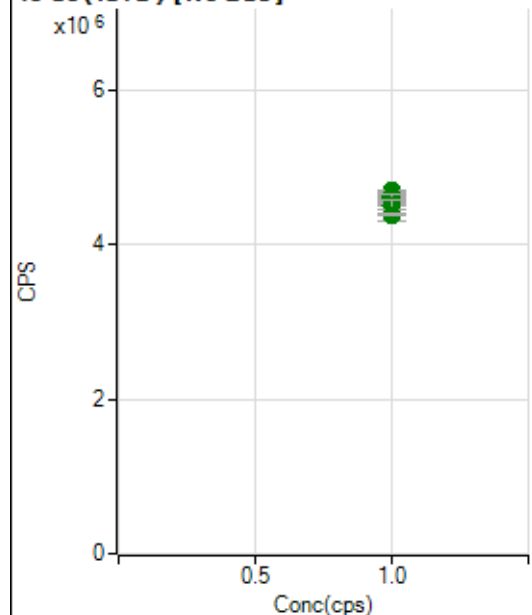
Weight: <None>

Min Conc: 0

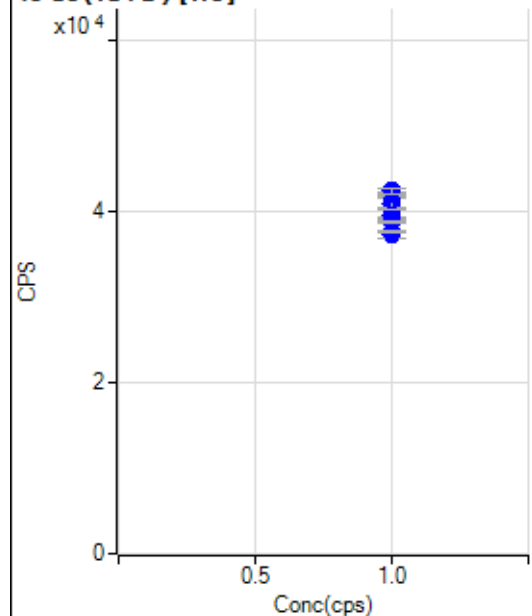
6 Li (ISTD) [No Gas]



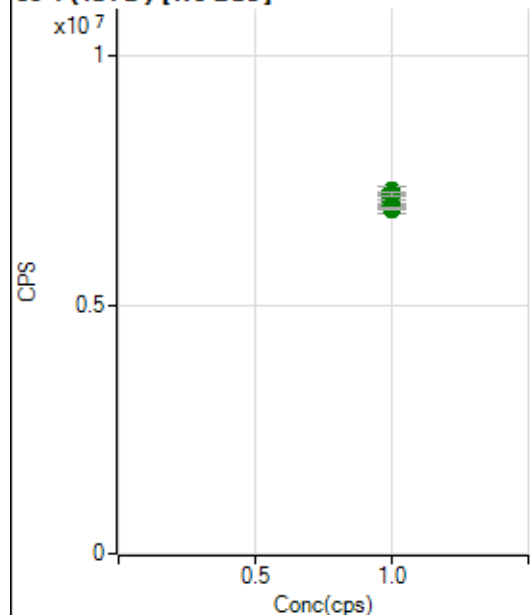
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1637579.00		A	0.9
2	☐	1.000		1653949.18		A	1.1
3	☐	1.000		1646921.24		A	2.2
4	☐	1.000		1666588.29		A	0.7
5	☐	1.000		1669049.39		A	0.9
6	☐	1.000		1614931.80		A	4.2
7	☐	1.000		1671001.11		A	1.9
8	☐	1.000		1595444.45		A	1.4
9	☐	1.000		1524720.03		A	2.1

45 Sc (ISTD) [No Gas]

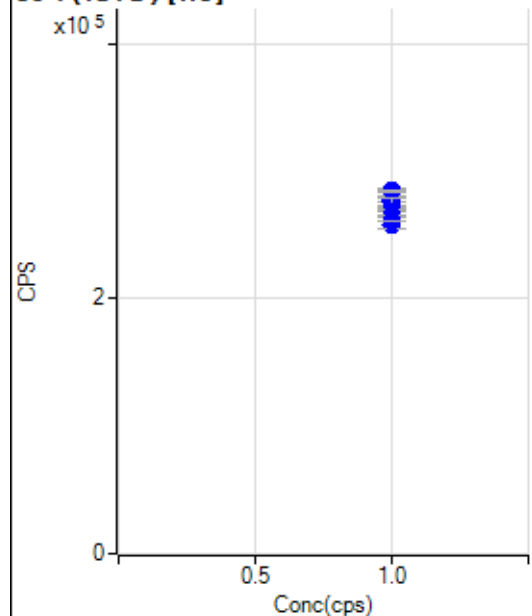
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4666768.98		A	1.7
2	☐	1.000		4668598.63		A	1.0
3	☐	1.000		4622425.71		A	3.4
4	☐	1.000		4694990.47		A	0.4
5	☐	1.000		4624450.45		A	0.7
6	☐	1.000		4412616.85		A	4.7
7	☐	1.000		4594680.31		A	2.6
8	☐	1.000		4511534.13		A	2.6
9	☐	1.000		4383545.97		A	0.7

45 Sc (ISTD) [He]

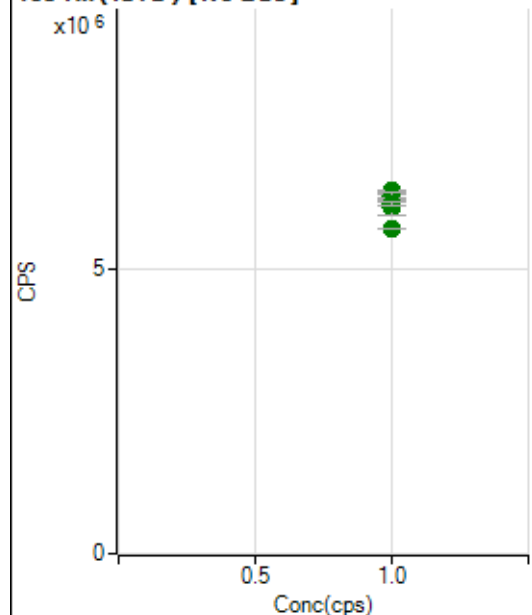
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		40948.70		P	2.9
2	☐	1.000		42012.92		P	1.2
3	☐	1.000		42460.89		P	1.7
4	☐	1.000		39676.34		P	3.8
5	☐	1.000		39719.52		P	2.9
6	☐	1.000		39225.84		P	0.6
7	☐	1.000		38872.81		P	0.5
8	☐	1.000		37280.66		P	2.0
9	☐	1.000		37688.38		P	0.9

89 Y (ISTD) [No Gas]

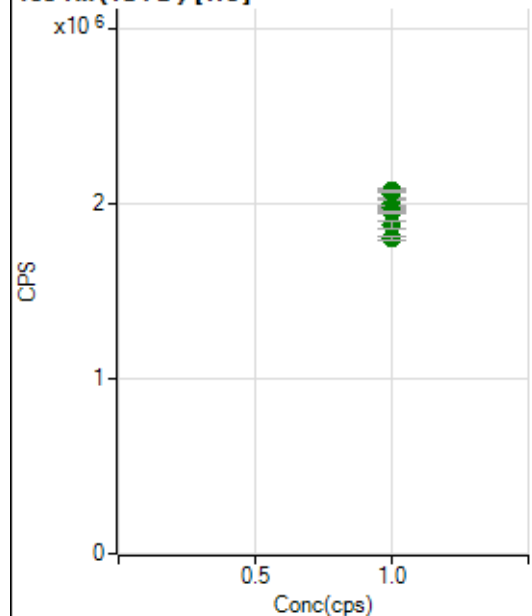
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7053529.76		A	1.2
2	☐	1.000		7140553.16		A	0.9
3	☐	1.000		7097114.13		A	2.7
4	☐	1.000		7243088.64		A	1.0
5	☐	1.000		7223697.53		A	0.9
6	☐	1.000		6980224.69		A	4.2
7	☐	1.000		7287657.25		A	2.0
8	☐	1.000		7213671.21		A	1.0
9	☐	1.000		6928292.19		A	0.4

89 Y (ISTD) [He]

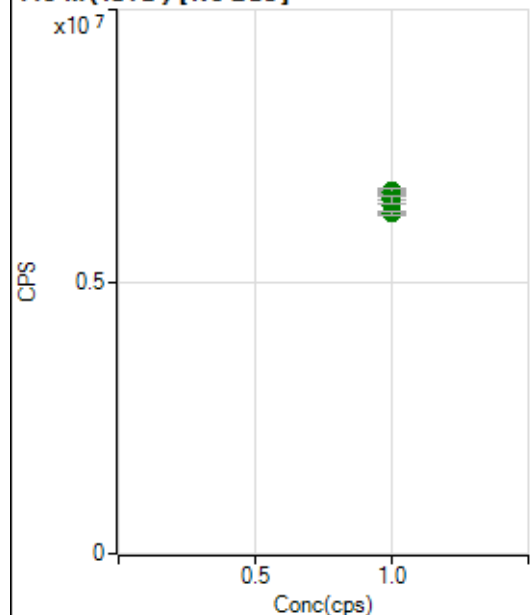
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		277229.23		P	2.4
2	☐	1.000		283983.50		P	2.3
3	☐	1.000		284736.34		P	0.7
4	☐	1.000		271051.48		P	4.0
5	☐	1.000		275437.73		P	2.4
6	☐	1.000		268840.02		P	0.5
7	☐	1.000		265485.13		P	0.5
8	☐	1.000		257780.91		P	2.5
9	☐	1.000		260899.19		P	0.4

103 Rh (ISTD) [No Gas]

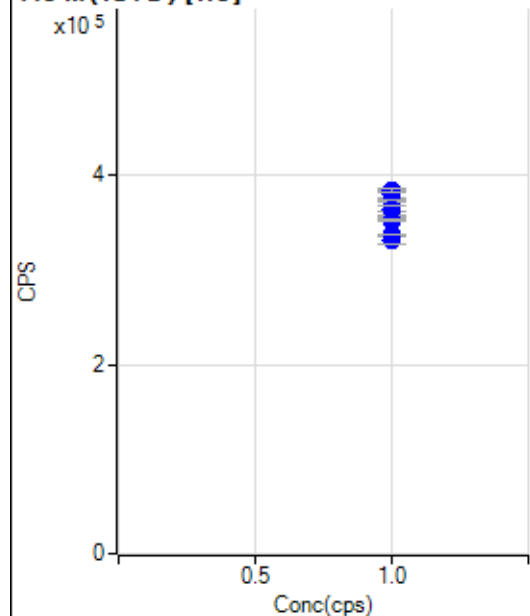
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6282126.53		A	1.2
2	☐	1.000		6353133.26		A	1.1
3	☐	1.000		6272804.13		A	3.5
4	☐	1.000		6370547.84		A	0.4
5	☐	1.000		6275540.07		A	1.5
6	☐	1.000		6064235.03		A	3.7
7	☐	1.000		6291850.10		A	1.5
8	☐	1.000		6152655.91		A	1.4
9	☐	1.000		5707637.80		A	0.4

103 Rh (ISTD) [He]

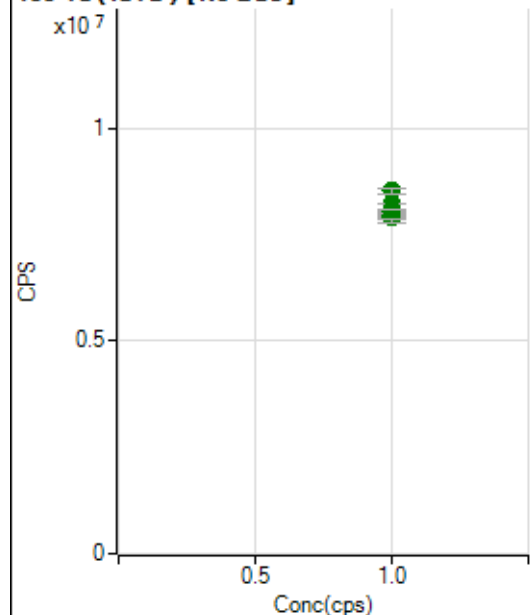
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2048977.14		A	2.6
2	☐	1.000		2053325.15		A	2.9
3	☐	1.000		2070162.02		A	0.6
4	☐	1.000		1988860.62		A	4.0
5	☐	1.000		1994472.37		A	2.4
6	☐	1.000		1975450.39		A	0.7
7	☐	1.000		1949861.48		A	0.8
8	☐	1.000		1874820.87		A	2.6
9	☐	1.000		1795866.42		A	1.3

115 In (ISTD) [No Gas]

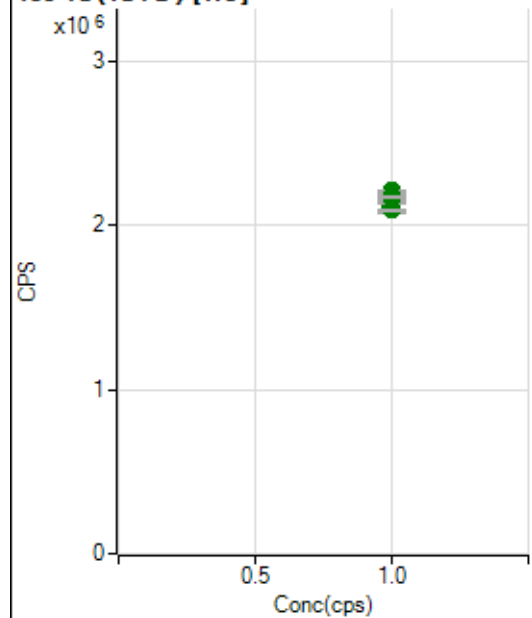
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6561682.58		A	2.1
2	☐	1.000		6559069.19		A	1.4
3	☐	1.000		6536126.03		A	3.3
4	☐	1.000		6671541.81		A	0.3
5	☐	1.000		6652121.44		A	0.4
6	☐	1.000		6394096.64		A	4.0
7	☐	1.000		6654852.06		A	1.8
8	☐	1.000		6507461.77		A	1.9
9	☐	1.000		6247244.77		A	1.0

115 In (ISTD) [He]

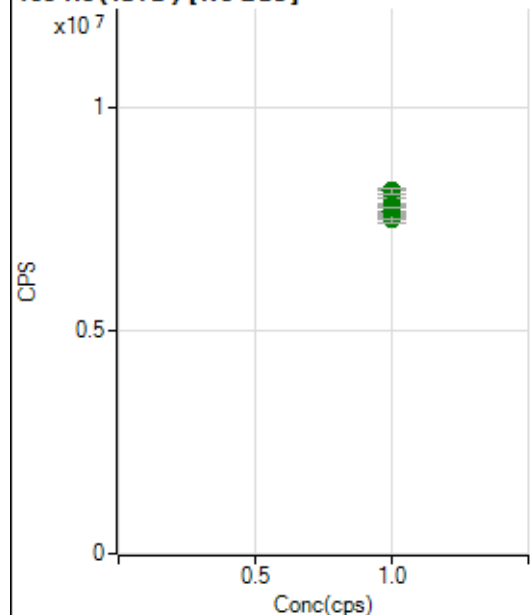
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		372346.26		P	2.5
2	☐	1.000		379777.15		P	2.8
3	☐	1.000		383563.69		P	1.0
4	☐	1.000		363863.83		P	4.4
5	☐	1.000		364894.19		P	1.8
6	☐	1.000		357869.29		P	0.5
7	☐	1.000		352529.15		P	1.0
8	☐	1.000		330997.41		P	2.7
9	☐	1.000		337631.53		P	0.3

159 Tb (ISTD) [No Gas]

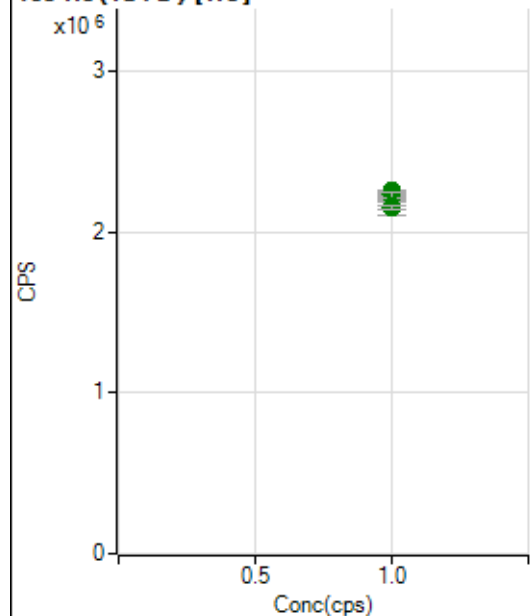
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7936095.37		A	0.9
2	☐	1.000		7956144.19		A	1.6
3	☐	1.000		7914151.83		A	3.2
4	☐	1.000		8058270.37		A	0.8
5	☐	1.000		8220658.00		A	0.2
6	☐	1.000		8029560.78		A	4.5
7	☐	1.000		8525538.69		A	1.7
8	☐	1.000		8519420.70		A	1.3
9	☐	1.000		8095301.69		A	0.3

159 Tb (ISTD) [He]

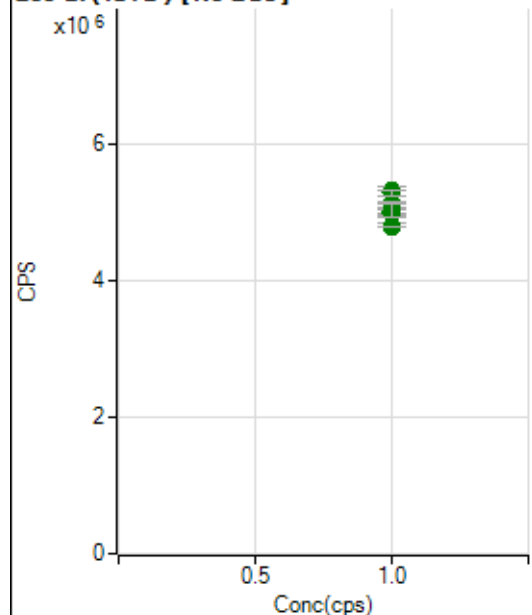
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2178630.57		A	2.3
2	☐	1.000		2170875.65		A	2.4
3	☐	1.000		2212125.80		A	0.5
4	☐	1.000		2120837.76		A	4.1
5	☐	1.000		2161207.14		A	1.3
6	☐	1.000		2155474.05		A	0.2
7	☐	1.000		2175533.35		A	0.7
8	☐	1.000		2104680.84		A	3.2
9	☐	1.000		2095499.38		A	0.4

165 Ho (ISTD) [No Gas]

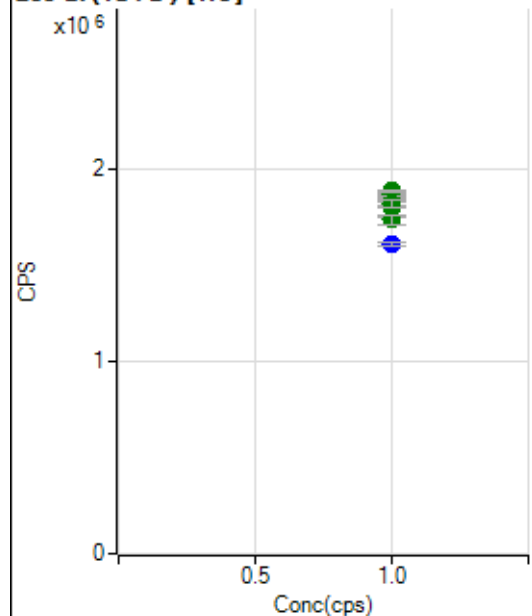
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7587165.27		A	1.2
2	☐	1.000		7629841.75		A	0.6
3	☐	1.000		7497104.08		A	2.3
4	☐	1.000		7664207.72		A	0.3
5	☐	1.000		7854366.84		A	0.5
6	☐	1.000		7664914.67		A	4.2
7	☐	1.000		8072550.96		A	2.6
8	☐	1.000		8145904.78		A	1.3
9	☐	1.000		7776620.92		A	0.1

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2208258.98		A	2.2
2	☐	1.000		2219183.16		A	2.0
3	☐	1.000		2256218.20		A	0.7
4	☐	1.000		2156721.32		A	4.9
5	☐	1.000		2218887.97		A	2.2
6	☐	1.000		2217576.39		A	0.8
7	☐	1.000		2231971.77		A	1.4
8	☐	1.000		2162899.13		A	2.6
9	☐	1.000		2154305.68		A	0.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5029836.28		A	2.0
2	☐	1.000		5005113.09		A	1.7
3	☐	1.000		4987860.55		A	5.3
4	☐	1.000		5071247.01		A	0.4
5	☐	1.000		5145584.54		A	0.1
6	☐	1.000		5033349.65		A	4.1
7	☐	1.000		5321765.72		A	2.8
8	☐	1.000		5291437.11		A	1.8
9	☐	1.000		4786666.87		A	0.1

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1845893.03		A	2.2
2	☐	1.000		1865516.76		A	1.8
3	☐	1.000		1884541.88		A	0.4
4	☐	1.000		1794547.35		A	5.7
5	☐	1.000		1831415.62		A	3.4
6	☐	1.000		1821040.01		A	1.3
7	☐	1.000		1819110.51		A	2.2
8	☐	1.000		1733572.66		A	2.8
9	☐	1.000		1608577.48		P	0.8

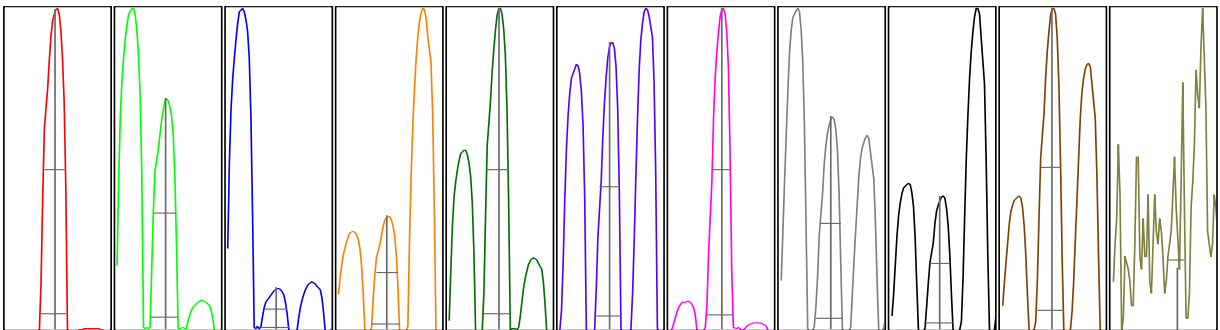
US EPA Tune Check Sample Report

Batch Folder D:\P8100318 -MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	9562	0.53	5.00	
24	67151	1.16	5.00	
25	8807	0.63	5.00	
26	10079	0.56	5.00	
59	81035	1.55	5.00	
113	9837	0.73	5.00	
115	120160	0.78	5.00	
206	26061	0.97	5.00	
207	24107	1.16	5.00	
208	56884	1.06	5.00	
220	1	23.20		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	9512	9544	9612	9522	9621
24	66534	68021	67836	66235	67129
25	8768	8797	8861	8742	8867
26	10040	10057	10107	10026	10164
59	80400	81572	80165	80034	83003
113	9717	9823	9873	9885	9886
115	119178	120692	121511	119531	119886
206	25690	26045	26106	26068	26398
207	23744	24240	24063	23999	24491
208	55991	56729	57019	57022	57656
220	1	1	1	1	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	16300	8.95	8.9 - 9.1		0.778	0.900	
24	112609	23.95	23.9 - 24.1		0.784	0.900	
25	14776	24.95	24.9 - 25.1		0.786	0.900	
26	17080	25.95	25.9 - 26.1		0.784	0.900	
59	142665	59.00	58.9 - 59.1		0.772	0.900	
113	18587	113.00	112.9 - 113.1		0.728	0.900	
115	228026	115.05	114.9 - 115.1		0.761	0.900	
206	48169	206.00	205.9 - 206.1		0.771	0.900	
207	43537	206.95	206.9 - 207.1		0.777	0.900	
208	105239	208.00	207.9 - 208.1		0.773	0.900	
220	1	220.40	-				

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

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.1	V	Deflect	11.8	V
Extract 2	-220.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-95	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	10988	0.56	
89	2531	0.52	
205	16647	0.32	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	10943	10918	11006	10995	11077
89	2546	2521	2543	2516	2527
205	16626	16563	16678	16672	16695

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.1	V	Deflect	1.4	V
Extract 2	-220.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-95	V	Cell Exit	-60	V			

Cell Parameters

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

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:35:10	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.66	-1.09	0.43	0.00	N/A	ppb
Antimony	121-1	-0.01	0.00	0.01	0.00	N/A	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Beryllium	9-1	0.00	-0.01	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.30	0.20	0.09	0.00	N/A	ppb
Boron	11-1	0.07	-0.07	-0.01	0.00	N/A	ppb
Cadmium	111-1	0.01	-0.01	0.00	0.00	N/A	ppb
Cadmium	106-1	0.14	-0.14	-0.01	0.00	N/A	ppb
Cadmium	108-1	-0.04	0.02	0.02	0.00	N/A	ppb
Calcium	43-1	1.03	-0.30	-0.74	0.00	N/A	ppb
Calcium	44-1	-0.23	-0.37	0.60	0.00	N/A	ppb
Chromium	52-2	0.00	-0.03	0.03	0.00	N/A	ppb
Cobalt	59-2	0.01	-0.01	0.00	0.00	N/A	ppb
Copper	63-2	0.00	-0.02	0.02	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	0.09	0.14	-0.23	0.00	N/A	ppb
Iron	57-2	0.00	-0.72	0.72	0.00	N/A	ppb
Krypton	83-1	4044.51	-63.82	-3980.69	0.00	N/A	ppb
Lead	206-1	0.00	0.01	-0.01	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	-0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.33	0.05	-0.37	0.00	N/A	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:35:10	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.03	0.09	-0.06	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.00	0.02	0.00	N/A	ppb
Molybdenum	95-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	97-1	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	98-1	0.00	-0.01	0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.05	0.07	0.00	N/A	ppb
Phosphorus	31-2	30.92	-12.65	-12.65	1.87	1343.61	ppb
Potassium	39-2	-3.15	-6.26	9.41	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	-0.59	0.58	0.02	0.00	N/A	ppb
Selenium	82-1	0.11	0.12	-0.23	0.00	N/A	ppb
Silicon	28-1	-0.08	0.92	-0.83	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	0.50	0.27	-0.77	0.00	N/A	ppb
Strontium	86-1	-0.04	0.03	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-494.27	20.64	-655.69	-376.44		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
Tin	118-1	-0.01	0.01	0.01	0.00	N/A	ppb
Titanium	47-1	0.02	-0.03	0.01	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.17	-0.10	-0.06	0.00	N/A	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:35:10	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	-0.02	0.01	0.01	0.00	N/A	ppb

LB Number : LB98344 Operator : Jaswal
 Lab Sample ID : S02 Instrumnet Name : P8
 Client Sample ID : S02 Dilution Factor : 1
 Date & Time Acquired :: 2018-10-03 13:42:41 DataFile Name : 005CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.90	20.61	20.36	19.96	4.61	ppb
Antimony	121-1	2.09	2.07	2.01	2.06	2.08	ppb
Arsenic	75-2	0.99	0.92	1.12	1.01	9.75	ppb
Barium	135-1	10.68	10.09	10.21	10.33	3.01	ppb
Barium	137-1	10.42	9.99	9.75	10.05	3.38	ppb
Beryllium	9-1	1.04	1.13	1.02	1.06	5.81	ppb
Bismuth	209-1				99		%
Bismuth	209-2				102		%
Boron	10-1	22.11	20.68	23.71	22.17	6.83	ppb
Boron	11-1	21.76	21.05	21.15	21.32	1.82	ppb
Cadmium	111-1	1.22	1.06	0.99	1.09	10.56	ppb
Cadmium	106-1	1.77	1.48	0.83	1.36	35.33	ppb
Cadmium	108-1	1.01	1.23	1.16	1.13	10.04	ppb
Calcium	43-1	518.40	479.81	446.33	481.51	7.49	ppb
Calcium	44-1	509.33	473.34	459.27	480.65	5.37	ppb
Chromium	52-2	1.92	2.01	2.15	2.03	5.65	ppb
Cobalt	59-2	0.97	0.95	0.95	0.96	1.19	ppb
Copper	63-2	1.90	1.97	2.03	1.97	3.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	49.15	51.36	51.26	50.59	2.47	ppb
Iron	57-2	54.52	48.92	53.07	52.17	5.57	ppb
Krypton	83-1	-4635.05	1363.56	3883.18	203.90	2146.14	ppb
Lead	206-1	1.03	0.97	0.96	0.99	4.19	ppb
Lead	207-1	1.05	0.96	0.95	0.99	5.76	ppb
Lead	208-1	1.04	0.98	0.96	1.00	4.40	ppb
Lithium	6-1				101		%
Magnesium	24-2	472.42	507.51	514.08	498.00	4.50	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:42:41	DataFile Name :	005CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.18	0.97	1.16	1.10	10.22	ppb
Molybdenum	94-1	5.00	4.84	4.67	4.84	3.40	ppb
Molybdenum	95-1	5.25	4.92	5.11	5.10	3.29	ppb
Molybdenum	96-1	5.18	4.92	4.65	4.91	5.36	ppb
Molybdenum	97-1	5.16	4.78	4.96	4.97	3.81	ppb
Molybdenum	98-1	5.09	4.84	4.68	4.87	4.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.97	1.05	1.24	1.09	12.80	ppb
Phosphorus	31-2	-12.65	29.59	1.44	6.13	351.12	ppb
Potassium	39-2	466.73	527.44	511.78	501.98	6.28	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				104		%
Selenium	77-2	0.00	3.54	3.51	2.35	86.60	ppb
Selenium	78-2	6.40	2.88	8.61	5.97	48.39	ppb
Selenium	82-1	5.32	4.72	5.39	5.14	7.17	ppb
Silicon	28-1	24.13	20.23	17.54	20.63	16.04	ppb
Silver	109-1	1.06	1.05	1.03	1.05	1.45	ppb
Silver	107-1	1.09	1.04	1.05	1.06	2.76	ppb
Sodium	23-2	486.74	513.74	496.72	499.06	2.74	ppb
Strontium	86-1	0.86	1.00	0.87	0.91	8.75	ppb
Strontium	88-1	1.10	0.98	0.99	1.02	6.70	ppb
Sulfur	34-1	914.38	385.84	-67.50	410.91	119.59	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	1.02	0.91	0.87	0.94	8.26	ppb
Thallium	205-1	1.01	0.95	0.96	0.97	3.76	ppb
Tin	118-1	5.36	5.08	5.12	5.19	2.94	ppb
Titanium	47-1	5.17	4.87	4.91	4.98	3.24	ppb
Uranium	238-1	1.05	0.98	0.89	0.97	8.58	ppb
Vanadium	51-2	4.64	4.94	4.88	4.82	3.26	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	2.28	1.77	1.67	1.91	17.14	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:42:41	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1.00	0.95	0.88	0.94	6.23	ppb
Zirconium	91-1	0.88	0.86	0.89	0.88	1.27	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:46:26	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1003.75	1123.59	1046.54	1057.96	5.74	ppb
Antimony	121-1	51.18	52.18	51.12	51.49	1.15	ppb
Arsenic	75-2	51.06	56.89	51.59	53.18	6.06	ppb
Barium	135-1	258.14	259.84	257.64	258.54	0.45	ppb
Barium	137-1	256.14	258.18	254.32	256.21	0.75	ppb
Beryllium	9-1	52.23	50.67	51.87	51.59	1.59	ppb
Bismuth	209-1				101		%
Bismuth	209-2				97		%
Boron	10-1	52.37	50.67	53.80	52.28	3.00	ppb
Boron	11-1	49.55	49.61	50.57	49.91	1.15	ppb
Cadmium	111-1	52.64	52.65	51.83	52.37	0.90	ppb
Cadmium	106-1	55.52	53.56	53.85	54.31	1.94	ppb
Cadmium	108-1	54.42	55.27	53.18	54.29	1.94	ppb
Calcium	43-1	4860.82	4924.94	5005.49	4930.42	1.47	ppb
Calcium	44-1	5053.20	5021.70	5046.07	5040.33	0.33	ppb
Chromium	52-2	51.41	56.07	52.86	53.44	4.46	ppb
Cobalt	59-2	51.20	54.94	52.36	52.83	3.62	ppb
Copper	63-2	102.88	110.55	104.75	106.06	3.77	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				98		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	2674.66	2856.34	2704.77	2745.26	3.55	ppb
Iron	57-2	2591.91	2735.58	2638.63	2655.37	2.76	ppb
Krypton	83-1	-1475.00	-2150.64	3930.14	101.50	3283.57	ppb
Lead	206-1	49.10	49.14	48.86	49.03	0.30	ppb
Lead	207-1	48.63	47.90	48.74	48.42	0.94	ppb
Lead	208-1	48.93	48.83	48.91	48.89	0.11	ppb
Lithium	6-1				102		%
Magnesium	24-2	5262.82	5809.20	5504.02	5525.35	4.96	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:46:26	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	104.06	112.13	105.17	107.12	4.09	ppb
Molybdenum	94-1	250.05	249.56	245.87	248.49	0.92	ppb
Molybdenum	95-1	249.69	249.68	247.01	248.79	0.62	ppb
Molybdenum	96-1	244.81	248.42	243.94	245.72	0.97	ppb
Molybdenum	97-1	242.38	247.98	242.26	244.21	1.34	ppb
Molybdenum	98-1	247.71	256.10	246.31	250.04	2.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.75	56.10	53.98	54.28	3.12	ppb
Phosphorus	31-2	939.88	905.42	1131.31	992.20	12.27	ppb
Potassium	39-2	2544.20	2839.60	2686.15	2689.98	5.49	ppb
Rhodium	103-1				101		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	77-2	72.29	50.69	55.01	59.33	19.26	ppb
Selenium	78-2	62.61	63.15	49.16	58.31	13.59	ppb
Selenium	82-1	51.90	50.11	51.55	51.19	1.85	ppb
Silicon	28-1	63.00	62.04	63.54	62.86	1.20	ppb
Silver	109-1	53.15	53.46	52.87	53.16	0.56	ppb
Silver	107-1	53.22	53.84	52.61	53.22	1.16	ppb
Sodium	23-2	5236.00	5689.42	5353.21	5426.21	4.34	ppb
Strontium	86-1	50.39	49.50	48.88	49.59	1.54	ppb
Strontium	88-1	50.65	51.45	50.48	50.86	1.02	ppb
Sulfur	34-1	1502.67	1419.75	1409.63	1444.02	3.54	ppb
Terbium	159-1				102		%
Terbium	159-2				97		%
Thallium	203-1	48.77	49.24	48.81	48.94	0.54	ppb
Thallium	205-1	49.78	50.11	49.38	49.76	0.74	ppb
Tin	118-1	51.78	52.26	51.44	51.83	0.79	ppb
Titanium	47-1	249.30	249.11	252.33	250.25	0.72	ppb
Uranium	238-1	47.85	48.01	48.04	47.96	0.22	ppb
Vanadium	51-2	51.40	54.20	52.07	52.56	2.78	ppb
Yttrium	89-1				103		%
Yttrium	89-2				98		%
Zinc	66-2	104.75	112.79	106.45	108.00	3.93	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:46:26	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	49.54	49.74	48.93	49.40	0.86	ppb
Zirconium	91-1	48.61	49.19	48.25	48.68	0.97	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:50:09	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2502.33	2403.39	2623.01	2509.57	4.38	ppb
Antimony	121-1	128.13	128.68	127.41	128.07	0.50	ppb
Arsenic	75-2	128.50	124.32	129.72	127.51	2.22	ppb
Barium	135-1	647.76	639.32	639.81	642.30	0.74	ppb
Barium	137-1	654.28	644.35	640.31	646.31	1.11	ppb
Beryllium	9-1	127.23	126.35	129.11	127.57	1.10	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Boron	10-1	125.73	124.65	129.31	126.57	1.93	ppb
Boron	11-1	125.02	123.24	128.82	125.69	2.27	ppb
Cadmium	111-1	129.56	129.60	128.50	129.22	0.48	ppb
Cadmium	106-1	132.47	130.87	132.82	132.05	0.79	ppb
Cadmium	108-1	130.10	134.30	128.33	130.91	2.34	ppb
Calcium	43-1	12517.93	12269.32	12607.04	12464.76	1.40	ppb
Calcium	44-1	12473.97	12431.59	12449.53	12451.70	0.17	ppb
Chromium	52-2	127.22	124.19	132.18	127.86	3.15	ppb
Cobalt	59-2	127.57	124.45	131.00	127.67	2.57	ppb
Copper	63-2	255.45	249.20	265.59	256.75	3.22	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				104		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				98		%
Iron	56-2	6566.95	6463.38	6820.88	6617.07	2.78	ppb
Iron	57-2	6439.64	6352.73	6728.32	6506.90	3.02	ppb
Krypton	83-1	-787.96	-476.27	3909.87	881.88	297.88	ppb
Lead	206-1	123.74	124.22	123.36	123.78	0.35	ppb
Lead	207-1	122.72	122.47	121.98	122.39	0.30	ppb
Lead	208-1	123.72	123.88	123.42	123.68	0.19	ppb
Lithium	6-1				102		%
Magnesium	24-2	13119.83	12811.36	13612.29	13181.16	3.06	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:50:09	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	255.50	252.25	265.71	257.82	2.72	ppb
Molybdenum	94-1	638.33	632.77	644.14	638.41	0.89	ppb
Molybdenum	95-1	638.87	630.96	628.41	632.75	0.86	ppb
Molybdenum	96-1	645.69	619.23	639.42	634.78	2.18	ppb
Molybdenum	97-1	643.86	618.02	624.72	628.87	2.13	ppb
Molybdenum	98-1	637.71	616.32	616.77	623.60	1.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	128.59	126.05	133.93	129.52	3.11	ppb
Phosphorus	31-2	2992.05	2644.95	2880.15	2839.05	6.24	ppb
Potassium	39-2	6420.83	6281.06	6632.65	6444.85	2.75	ppb
Rhodium	103-1				100		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	77-2	136.52	121.31	142.06	133.30	8.06	ppb
Selenium	78-2	130.87	124.20	130.78	128.62	2.97	ppb
Selenium	82-1	129.05	129.30	127.88	128.74	0.59	ppb
Silicon	28-1	154.50	151.44	154.60	153.51	1.17	ppb
Silver	109-1	131.03	130.35	131.05	130.81	0.31	ppb
Silver	107-1	129.64	130.29	129.67	129.86	0.28	ppb
Sodium	23-2	13170.75	13033.96	13536.22	13246.98	1.96	ppb
Strontium	86-1	125.60	123.82	122.85	124.09	1.12	ppb
Strontium	88-1	129.46	128.60	127.08	128.38	0.94	ppb
Sulfur	34-1	3298.99	2861.87	3144.06	3101.64	7.15	ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	124.62	125.39	123.32	124.44	0.84	ppb
Thallium	205-1	125.43	128.73	127.83	127.33	1.34	ppb
Tin	118-1	129.74	128.40	127.51	128.55	0.87	ppb
Titanium	47-1	638.56	628.20	635.61	634.12	0.84	ppb
Uranium	238-1	124.72	123.52	125.22	124.49	0.70	ppb
Vanadium	51-2	127.58	123.48	130.70	127.25	2.84	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	258.54	250.17	263.44	257.38	2.61	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:50:09	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	126.76	126.47	128.06	127.10	0.67	ppb
Zirconium	91-1	124.74	121.77	121.44	122.65	1.48	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:53:44	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4876.35	4903.16	4965.30	4914.94	0.93	ppb
Antimony	121-1	265.71	280.52	258.79	268.34	4.14	ppb
Arsenic	75-2	251.13	252.23	250.21	251.19	0.40	ppb
Barium	135-1	1325.28	1418.55	1286.10	1343.31	5.07	ppb
Barium	137-1	1319.70	1397.08	1294.85	1337.21	3.99	ppb
Beryllium	9-1	253.01	272.36	253.73	259.70	4.22	ppb
Bismuth	209-1				100		%
Bismuth	209-2				99		%
Boron	10-1	246.78	264.61	254.14	255.18	3.51	ppb
Boron	11-1	248.53	266.99	249.04	254.85	4.12	ppb
Cadmium	111-1	259.84	278.74	256.29	264.96	4.55	ppb
Cadmium	106-1	272.67	281.82	267.32	273.94	2.68	ppb
Cadmium	108-1	263.16	287.10	260.98	270.41	5.36	ppb
Calcium	43-1	25400.11	26999.58	24717.52	25705.74	4.56	ppb
Calcium	44-1	25335.43	27083.43	24786.94	25735.27	4.66	ppb
Chromium	52-2	249.82	250.72	247.31	249.28	0.71	ppb
Cobalt	59-2	249.17	249.18	245.81	248.05	0.78	ppb
Copper	63-2	503.53	504.86	498.98	502.46	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	12884.70	12869.46	12656.36	12803.51	1.00	ppb
Iron	57-2	12692.39	12723.50	12541.14	12652.35	0.77	ppb
Krypton	83-1	994.98	-2555.63	-1488.02	-1016.22		ppb
Lead	206-1	252.52	275.64	251.75	259.97	5.22	ppb
Lead	207-1	249.28	270.48	247.67	255.81	4.98	ppb
Lead	208-1	253.89	275.90	253.72	261.17	4.88	ppb
Lithium	6-1				99		%
Magnesium	24-2	25813.63	25690.02	25397.35	25633.66	0.83	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:53:44	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	500.99	500.26	499.04	500.09	0.20	ppb
Molybdenum	94-1	1285.04	1377.93	1266.46	1309.81	4.56	ppb
Molybdenum	95-1	1277.56	1360.47	1266.23	1301.42	3.95	ppb
Molybdenum	96-1	1282.82	1363.86	1264.08	1303.59	4.07	ppb
Molybdenum	97-1	1292.87	1396.17	1266.69	1318.57	5.19	ppb
Molybdenum	98-1	1271.15	1364.97	1253.22	1296.45	4.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	254.00	253.42	249.62	252.35	0.94	ppb
Phosphorus	31-2	4989.14	5035.23	5496.11	5173.49	5.42	ppb
Potassium	39-2	12462.58	12640.66	12256.67	12453.30	1.54	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	77-2	254.70	196.27	318.05	256.34	23.76	ppb
Selenium	78-2	263.88	252.33	244.65	253.62	3.82	ppb
Selenium	82-1	262.14	279.89	253.51	265.18	5.07	ppb
Silicon	28-1	286.40	305.16	274.07	288.55	5.43	ppb
Silver	109-1	269.65	287.99	264.06	273.90	4.57	ppb
Silver	107-1	269.82	290.63	264.42	274.96	5.03	ppb
Sodium	23-2	25681.09	25835.24	25187.76	25568.03	1.32	ppb
Strontium	86-1	251.96	269.12	248.94	256.67	4.24	ppb
Strontium	88-1	257.10	274.72	253.58	261.80	4.33	ppb
Sulfur	34-1	6415.03	7877.08	5896.79	6729.63	15.26	ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	251.14	275.98	254.43	260.52	5.18	ppb
Thallium	205-1	255.67	279.54	255.40	263.54	5.26	ppb
Tin	118-1	261.85	279.27	255.21	265.45	4.68	ppb
Titanium	47-1	1301.79	1399.64	1263.20	1321.54	5.32	ppb
Uranium	238-1	253.89	270.45	253.60	259.31	3.72	ppb
Vanadium	51-2	247.77	249.50	247.75	248.34	0.40	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	503.19	502.77	504.39	503.45	0.17	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:53:44	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	257.77	276.44	255.11	263.11	4.42	ppb
Zirconium	91-1	252.64	270.50	248.35	257.17	4.57	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:57:15	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9668.39	9540.56	9740.26	9649.74	1.05	ppb
Antimony	121-1	513.48	497.40	501.93	504.27	1.64	ppb
Arsenic	75-2	505.93	492.98	499.30	499.40	1.30	ppb
Barium	135-1	2586.31	2473.66	2497.93	2519.30	2.35	ppb
Barium	137-1	2559.99	2452.31	2471.70	2494.67	2.30	ppb
Beryllium	9-1	500.51	478.41	487.29	488.74	2.27	ppb
Bismuth	209-1				106		%
Bismuth	209-2				99		%
Boron	10-1	490.81	483.41	497.06	490.43	1.39	ppb
Boron	11-1	491.50	479.65	485.64	485.60	1.22	ppb
Cadmium	111-1	511.95	492.65	493.00	499.20	2.21	ppb
Cadmium	106-1	521.73	500.70	492.01	504.81	3.03	ppb
Cadmium	108-1	512.87	501.58	501.61	505.35	1.29	ppb
Calcium	43-1	51377.07	48464.30	48576.64	49472.67	3.34	ppb
Calcium	44-1	50750.51	48120.07	48136.05	49002.21	3.09	ppb
Chromium	52-2	493.56	486.84	492.81	491.07	0.75	ppb
Cobalt	59-2	488.14	484.90	494.56	489.20	1.00	ppb
Copper	63-2	1004.67	998.09	999.33	1000.70	0.35	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				95		%
Iron	56-2	25336.60	24970.59	25379.84	25229.01	0.89	ppb
Iron	57-2	25007.46	24987.38	25296.92	25097.25	0.69	ppb
Krypton	83-1	2527.13	7918.93	-4936.76	1836.43	351.53	ppb
Lead	206-1	521.30	494.17	488.90	501.46	3.47	ppb
Lead	207-1	512.07	494.33	493.78	500.06	2.08	ppb
Lead	208-1	517.31	494.38	493.50	501.73	2.69	ppb
Lithium	6-1				102		%
Magnesium	24-2	51377.36	50910.30	51353.58	51213.75	0.51	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:57:15	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	990.43	977.00	993.74	987.06	0.90	ppb
Molybdenum	94-1	2548.63	2446.93	2455.39	2483.65	2.27	ppb
Molybdenum	95-1	2529.25	2431.49	2444.60	2468.45	2.15	ppb
Molybdenum	96-1	2553.72	2437.05	2437.30	2476.02	2.72	ppb
Molybdenum	97-1	2550.88	2435.61	2460.84	2482.44	2.44	ppb
Molybdenum	98-1	2550.41	2425.21	2460.09	2478.57	2.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	496.98	492.60	499.60	496.39	0.71	ppb
Phosphorus	31-2	9520.67	9678.82	10756.11	9985.20	6.73	ppb
Potassium	39-2	24375.92	24104.14	24634.92	24371.66	1.09	ppb
Rhodium	103-1				100		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	77-2	496.94	461.60	565.91	508.15	10.44	ppb
Selenium	78-2	552.35	514.54	480.50	515.80	6.97	ppb
Selenium	82-1	513.67	492.43	495.70	500.60	2.28	ppb
Silicon	28-1	534.02	513.63	501.78	516.48	3.16	ppb
Silver	109-1	518.87	502.53	501.54	507.65	1.92	ppb
Silver	107-1	515.18	503.83	505.26	508.09	1.22	ppb
Sodium	23-2	49591.49	49336.30	49221.82	49383.21	0.38	ppb
Strontium	86-1	503.79	486.67	489.38	493.28	1.86	ppb
Strontium	88-1	506.41	491.96	495.51	497.96	1.51	ppb
Sulfur	34-1	12492.51	11221.46	11095.85	11603.27	6.66	ppb
Terbium	159-1				107		%
Terbium	159-2				100		%
Thallium	203-1	517.46	493.04	496.36	502.29	2.64	ppb
Thallium	205-1	513.23	489.48	487.96	496.89	2.85	ppb
Tin	118-1	518.02	496.57	502.53	505.71	2.19	ppb
Titanium	47-1	2603.89	2474.57	2446.14	2508.20	3.35	ppb
Uranium	238-1	513.03	487.45	488.44	496.31	2.92	ppb
Vanadium	51-2	492.85	489.65	491.47	491.33	0.33	ppb
Yttrium	89-1				103		%
Yttrium	89-2				96		%
Zinc	66-2	999.87	998.67	1003.63	1000.72	0.26	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:57:15	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	505.45	493.75	490.22	496.47	1.61	ppb
Zirconium	91-1	514.21	501.31	491.35	502.29	2.28	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:00:42	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19209.42	19944.99	19595.59	19583.34	1.88	ppb
Antimony	121-1	989.51	1010.34	978.62	992.82	1.62	ppb
Arsenic	75-2	982.37	1030.68	985.54	999.53	2.70	ppb
Barium	135-1	5006.95	5025.90	4860.46	4964.43	1.82	ppb
Barium	137-1	5024.36	5018.37	4890.93	4977.89	1.51	ppb
Beryllium	9-1	1002.17	1021.31	984.94	1002.81	1.81	ppb
Bismuth	209-1				105		%
Bismuth	209-2				94		%
Boron	10-1	997.80	1022.86	989.10	1003.25	1.75	ppb
Boron	11-1	998.17	1019.26	1000.57	1006.00	1.15	ppb
Cadmium	111-1	998.43	1009.22	980.40	996.02	1.46	ppb
Cadmium	106-1	983.48	1009.84	978.20	990.51	1.71	ppb
Cadmium	108-1	989.06	998.34	986.40	991.27	0.63	ppb
Calcium	43-1	98807.46	103873.91	98481.99	100387.78	3.01	ppb
Calcium	44-1	97501.87	102500.94	96724.00	98908.94	3.17	ppb
Chromium	52-2	981.11	1024.97	1006.26	1004.11	2.19	ppb
Cobalt	59-2	977.39	1022.46	1016.39	1005.41	2.43	ppb
Copper	63-2	1965.56	2027.69	2000.42	1997.89	1.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				98		%
Indium	115-1				99		%
Indium	115-2				89		%
Iron	56-2	50167.97	52217.59	51269.57	51218.37	2.00	ppb
Iron	57-2	49945.72	52087.92	51485.60	51173.08	2.16	ppb
Krypton	83-1	886.86	242.72	522.75	550.78	58.64	ppb
Lead	206-1	982.46	1023.29	985.18	996.98	2.29	ppb
Lead	207-1	982.76	1020.53	993.47	998.92	1.95	ppb
Lead	208-1	978.93	1020.53	990.23	996.56	2.16	ppb
Lithium	6-1				97		%
Magnesium	24-2	100667.70	104366.65	102121.26	102385.20	1.82	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:00:42	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1967.64	2035.84	2011.87	2005.12	1.73	ppb
Molybdenum	94-1	4940.86	5075.74	4958.26	4991.62	1.47	ppb
Molybdenum	95-1	4920.11	5105.60	4980.32	5002.01	1.89	ppb
Molybdenum	96-1	4950.61	5073.86	4968.28	4997.58	1.33	ppb
Molybdenum	97-1	4955.75	5068.74	4949.84	4991.44	1.34	ppb
Molybdenum	98-1	4994.03	5076.47	4927.33	4999.28	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	974.44	1017.83	1009.04	1000.44	2.29	ppb
Phosphorus	31-2	19391.70	20179.92	20194.47	19922.03	2.31	ppb
Potassium	39-2	48664.09	50282.03	49757.54	49567.89	1.67	ppb
Rhodium	103-1				98		%
Rhodium	103-2				92		%
Scandium	45-1				97		%
Scandium	45-2				91		%
Selenium	77-2	989.49	976.07	1012.98	992.85	1.88	ppb
Selenium	78-2	975.50	1027.18	968.29	990.32	3.24	ppb
Selenium	82-1	998.27	1005.00	982.86	995.38	1.14	ppb
Silicon	28-1	964.36	1009.73	959.35	977.81	2.84	ppb
Silver	109-1	988.70	1008.18	971.08	989.32	1.88	ppb
Silver	107-1	1000.61	999.73	966.49	988.95	1.97	ppb
Sodium	23-2	97755.37	102541.95	100444.71	100247.34	2.39	ppb
Strontium	86-1	1000.35	1019.00	986.13	1001.83	1.65	ppb
Strontium	88-1	993.10	1009.85	989.88	997.61	1.07	ppb
Sulfur	34-1	18092.67	19928.87	17984.12	18668.55	5.85	ppb
Terbium	159-1				107		%
Terbium	159-2				97		%
Thallium	203-1	975.53	1023.06	990.46	996.35	2.44	ppb
Thallium	205-1	980.48	1024.63	988.56	997.89	2.36	ppb
Tin	118-1	988.44	1007.69	982.11	992.75	1.34	ppb
Titanium	47-1	4884.88	5202.50	4843.19	4976.86	3.95	ppb
Uranium	238-1	977.49	1029.35	992.21	999.68	2.67	ppb
Vanadium	51-2	983.71	1022.58	1006.74	1004.34	1.95	ppb
Yttrium	89-1				102		%
Yttrium	89-2				93		%
Zinc	66-2	1953.47	2035.16	2003.73	1997.45	2.06	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:00:42	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	991.32	1014.13	989.32	998.25	1.38	ppb
Zirconium	91-1	989.61	1003.02	999.64	997.42	0.70	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:04:02	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100830.17	100018.20	99517.01	100121.79	0.66	ppb
Antimony	121-1	2.75	2.80	2.68	2.74	2.19	ppb
Arsenic	75-2	1.82	1.51	1.54	1.62	10.52	ppb
Barium	135-1	1.64	1.57	1.67	1.63	3.13	ppb
Barium	137-1	1.45	1.45	1.38	1.43	2.74	ppb
Beryllium	9-1	0.56	0.57	0.52	0.55	4.65	ppb
Bismuth	209-1				95		%
Bismuth	209-2				87		%
Boron	10-1	24.18	21.09	19.59	21.62	10.82	ppb
Boron	11-1	24.46	22.05	19.47	21.99	11.34	ppb
Cadmium	111-1	0.14	0.21	0.11	0.16	30.99	ppb
Cadmium	106-1	0.10	0.51	-0.27	0.11	344.14	ppb
Cadmium	108-1	0.20	0.11	0.33	0.21	51.04	ppb
Calcium	43-1	502013.34	496811.22	500999.89	499941.48	0.55	ppb
Calcium	44-1	499611.37	499734.09	501500.69	500282.05	0.21	ppb
Chromium	52-2	45.49	45.82	44.70	45.34	1.27	ppb
Cobalt	59-2	12.71	12.22	11.96	12.30	3.07	ppb
Copper	63-2	4.15	4.27	4.02	4.15	2.99	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				102		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				91		%
Iron	56-2	251405.59	251543.94	246170.32	249706.62	1.23	ppb
Iron	57-2	252331.83	249634.18	247254.18	249740.06	1.02	ppb
Krypton	83-1	-4590.54	3819.98	3280.50	836.65	562.70	ppb
Lead	206-1	1.11	1.04	1.02	1.06	4.72	ppb
Lead	207-1	1.03	0.95	0.94	0.97	5.37	ppb
Lead	208-1	1.03	1.00	0.99	1.01	2.17	ppb
Lithium	6-1				93		%
Magnesium	24-2	500133.96	500018.11	497890.80	499347.62	0.25	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:04:02	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	11.54	11.37	12.08	11.66	3.17	ppb
Molybdenum	94-1	6.24	6.11	5.72	6.02	4.50	ppb
Molybdenum	95-1	7.91	7.87	7.86	7.88	0.36	ppb
Molybdenum	96-1	8.19	7.60	8.09	7.96	3.98	ppb
Molybdenum	97-1	8.36	7.85	7.86	8.02	3.63	ppb
Molybdenum	98-1	8.00	7.72	7.66	7.79	2.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	35.83	34.98	35.36	35.39	1.20	ppb
Phosphorus	31-2	-12.65	50.49	2.91	13.58	242.21	ppb
Potassium	39-2	251809.63	250738.41	247886.40	250144.82	0.81	ppb
Rhodium	103-1				91		%
Rhodium	103-2				88		%
Scandium	45-1				94		%
Scandium	45-2				92		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.31	0.67	0.04	0.67	94.90	ppb
Selenium	82-1	1.09	1.05	1.42	1.19	17.18	ppb
Silicon	28-1	43.61	45.54	48.66	45.94	5.55	ppb
Silver	109-1	0.14	0.11	0.11	0.12	14.27	ppb
Silver	107-1	0.12	0.10	0.11	0.11	7.28	ppb
Sodium	23-2	502911.86	499904.88	497065.88	499960.87	0.58	ppb
Strontium	86-1	4.36	4.14	4.29	4.26	2.63	ppb
Strontium	88-1	4.64	4.58	4.56	4.59	0.92	ppb
Sulfur	34-1	-1078.33	-1033.54	-911.23	-1007.70		ppb
Terbium	159-1				102		%
Terbium	159-2				96		%
Thallium	203-1	0.52	0.54	0.49	0.52	4.48	ppb
Thallium	205-1	0.53	0.51	0.44	0.49	9.27	ppb
Tin	118-1	1.28	1.20	1.23	1.24	3.30	ppb
Titanium	47-1	0.97	1.00	1.09	1.02	6.17	ppb
Uranium	238-1	0.19	0.18	0.17	0.18	5.89	ppb
Vanadium	51-2	0.58	0.52	0.58	0.56	6.03	ppb
Yttrium	89-1				98		%
Yttrium	89-2				94		%
Zinc	66-2	11.34	11.50	11.58	11.47	1.07	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:04:02	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.22	0.23	0.23	0.23	2.20	ppb
Zirconium	91-1	0.30	0.24	0.20	0.25	19.80	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:19:25	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	517.37	532.85	505.84	518.69	2.61	ppb
Antimony	121-1	191.79	203.60	195.75	197.05	3.05	ppb
Arsenic	75-2	192.78	195.56	191.44	193.26	1.09	ppb
Barium	135-1	96.13	101.88	97.45	98.49	3.06	ppb
Barium	137-1	96.04	100.35	96.65	97.68	2.39	ppb
Beryllium	9-1	96.72	98.08	96.66	97.15	0.83	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Boron	10-1	2.61	2.45	2.76	2.61	5.95	ppb
Boron	11-1	2.52	2.27	2.50	2.43	5.75	ppb
Cadmium	111-1	97.35	102.50	98.36	99.40	2.74	ppb
Cadmium	106-1	83.94	86.54	81.67	84.05	2.90	ppb
Cadmium	108-1	86.59	87.07	85.54	86.40	0.90	ppb
Calcium	43-1	1851.99	1998.35	1869.67	1906.67	4.19	ppb
Calcium	44-1	1875.84	1977.99	1887.00	1913.61	2.93	ppb
Chromium	52-2	94.16	95.87	91.26	93.76	2.49	ppb
Cobalt	59-2	96.60	98.54	93.81	96.32	2.47	ppb
Copper	63-2	97.48	100.23	94.60	97.44	2.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	987.39	1004.59	967.39	986.46	1.89	ppb
Iron	57-2	988.34	1035.80	991.49	1005.21	2.64	ppb
Krypton	83-1	3830.18	-1346.13	7213.91	3232.65	133.36	ppb
Lead	206-1	190.83	200.81	191.63	194.42	2.85	ppb
Lead	207-1	181.49	193.37	181.26	185.37	3.73	ppb
Lead	208-1	190.82	201.27	190.03	194.04	3.23	ppb
Lithium	6-1				104		%
Magnesium	24-2	1191.35	1210.93	1180.29	1194.19	1.30	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:19:25	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	94.58	97.38	89.78	93.91	4.09	ppb
Molybdenum	94-1	0.25	0.25	0.26	0.25	3.26	ppb
Molybdenum	95-1	0.14	0.13	0.13	0.13	7.06	ppb
Molybdenum	96-1	0.13	0.17	0.15	0.15	12.98	ppb
Molybdenum	97-1	0.08	0.08	0.14	0.10	35.80	ppb
Molybdenum	98-1	0.09	0.10	0.10	0.10	3.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.79	102.62	95.71	99.38	3.50	ppb
Phosphorus	31-2	1.63	-12.65	-12.65	-7.89		ppb
Potassium	39-2	1927.26	2020.34	1929.73	1959.11	2.71	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	230.24	171.30	178.39	193.31	16.65	ppb
Selenium	78-2	228.72	211.48	190.67	210.29	9.06	ppb
Selenium	82-1	194.50	203.75	198.27	198.84	2.34	ppb
Silicon	28-1	-0.13	2.72	-0.54	0.68	259.56	ppb
Silver	109-1	98.97	103.11	100.08	100.72	2.12	ppb
Silver	107-1	98.89	102.07	99.00	99.99	1.81	ppb
Sodium	23-2	2015.15	2070.40	1947.41	2010.99	3.06	ppb
Strontium	86-1	2.17	2.21	2.10	2.16	2.57	ppb
Strontium	88-1	2.19	2.37	2.28	2.28	4.06	ppb
Sulfur	34-1	-970.89	-66.90	-748.71	-595.50		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	191.01	202.30	191.83	195.05	3.23	ppb
Thallium	205-1	196.46	208.01	196.95	200.47	3.26	ppb
Tin	118-1	0.06	0.06	0.05	0.06	9.44	ppb
Titanium	47-1	0.08	0.23	0.17	0.16	48.39	ppb
Uranium	238-1	476.70	492.80	463.83	477.78	3.04	ppb
Vanadium	51-2	93.24	96.61	92.84	94.23	2.19	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	196.29	197.28	189.74	194.44	2.11	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:19:25	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.08	0.09	0.08	0.08	8.73	ppb
Zirconium	91-1	0.09	0.15	0.12	0.12	27.42	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:32:14	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.14	-0.37	1.47	0.74	131.69	ppb
Antimony	121-1	0.06	0.07	0.09	0.07	25.54	ppb
Arsenic	75-2	0.03	0.03	0.00	0.02	77.48	ppb
Barium	135-1	0.00	-0.01	0.00	0.00		ppb
Barium	137-1	-0.02	0.00	-0.01	-0.01		ppb
Beryllium	9-1	0.03	0.05	0.09	0.06	58.13	ppb
Bismuth	209-1				97		%
Bismuth	209-2				91		%
Boron	10-1	3.45	2.10	3.85	3.14	29.19	ppb
Boron	11-1	2.31	2.46	3.06	2.61	15.15	ppb
Cadmium	111-1	0.04	0.07	0.08	0.06	30.75	ppb
Cadmium	106-1	0.49	0.87	1.07	0.81	36.18	ppb
Cadmium	108-1	-0.04	-0.04	0.00	-0.03		ppb
Calcium	43-1	-4.48	7.06	-0.45	0.71	826.07	ppb
Calcium	44-1	2.33	1.68	7.85	3.95	85.67	ppb
Chromium	52-2	0.03	0.00	0.02	0.02	82.53	ppb
Cobalt	59-2	0.02	0.01	-0.01	0.00	300.44	ppb
Copper	63-2	-0.01	0.00	-0.04	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				92		%
Indium	115-1				97		%
Indium	115-2				93		%
Iron	56-2	0.64	0.65	0.82	0.70	14.72	ppb
Iron	57-2	0.51	-0.50	-0.16	-0.05		ppb
Krypton	83-1	-1891.04	-3098.67	-4102.11	-3030.61		ppb
Lead	206-1	0.01	0.03	0.03	0.02	43.79	ppb
Lead	207-1	0.01	0.04	0.03	0.03	50.03	ppb
Lead	208-1	0.01	0.03	0.03	0.02	48.69	ppb
Lithium	6-1				97		%
Magnesium	24-2	3.44	1.23	1.17	1.95	66.41	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:32:14	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.06	-0.01	-0.13	-0.06		ppb
Molybdenum	94-1	0.07	0.05	0.05	0.05	26.92	ppb
Molybdenum	95-1	0.03	0.03	0.03	0.03	10.14	ppb
Molybdenum	96-1	0.04	0.01	-0.01	0.01	184.07	ppb
Molybdenum	97-1	-0.03	-0.02	0.03	-0.01		ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	37.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.12	-0.01	0.05	150.97	ppb
Phosphorus	31-2	2.83	3.04	-12.65	-2.26		ppb
Potassium	39-2	12.41	18.35	2.31	11.02	73.55	ppb
Rhodium	103-1				98		%
Rhodium	103-2				92		%
Scandium	45-1				97		%
Scandium	45-2				93		%
Selenium	77-2	0.00	0.00	3.94	1.31	173.21	ppb
Selenium	78-2	0.05	0.04	0.05	0.05	7.83	ppb
Selenium	82-1	0.03	-0.28	0.23	-0.01		ppb
Silicon	28-1	0.52	-1.21	5.00	1.44	223.10	ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Silver	107-1	0.01	0.01	0.00	0.00	164.26	ppb
Sodium	23-2	12.64	21.15	23.35	19.05	29.70	ppb
Strontium	86-1	-0.03	-0.05	0.00	-0.03		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	36.16	ppb
Sulfur	34-1	-9.25	-161.52	1219.53	349.59	216.61	ppb
Terbium	159-1				98		%
Terbium	159-2				91		%
Thallium	203-1	0.03	0.04	0.04	0.04	8.34	ppb
Thallium	205-1	0.03	0.04	0.03	0.03	12.21	ppb
Tin	118-1	0.01	0.01	0.03	0.02	64.46	ppb
Titanium	47-1	0.04	0.04	0.11	0.06	72.39	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	87.96	ppb
Yttrium	89-1				99		%
Yttrium	89-2				93		%
Zinc	66-2	-0.14	-0.09	0.08	-0.05		ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:32:14	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.00	0.02	68.77	ppb
Zirconium	91-1	0.01	0.02	0.04	0.02	73.25	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:35:37	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86995.95	87281.63	89394.62	87890.73	1.49	ppb
Antimony	121-1	1.16	1.14	1.13	1.15	1.47	ppb
Arsenic	75-2	0.21	0.35	0.38	0.31	29.30	ppb
Barium	135-1	1.62	1.56	1.50	1.56	3.74	ppb
Barium	137-1	1.33	1.57	1.43	1.44	8.24	ppb
Beryllium	9-1	0.32	0.32	0.38	0.34	9.74	ppb
Bismuth	209-1				99		%
Bismuth	209-2				89		%
Boron	10-1	3.55	3.90	3.58	3.68	5.33	ppb
Boron	11-1	3.22	3.19	3.31	3.24	1.86	ppb
Cadmium	111-1	0.45	0.36	0.30	0.37	19.58	ppb
Cadmium	106-1	0.52	0.51	-1.13	-0.03		ppb
Cadmium	108-1	9.27	10.82	9.89	9.99	7.82	ppb
Calcium	43-1	94949.97	96049.45	93867.50	94955.64	1.15	ppb
Calcium	44-1	95074.01	95371.68	93288.71	94578.13	1.19	ppb
Chromium	52-2	21.93	21.35	22.47	21.92	2.56	ppb
Cobalt	59-2	1.11	1.20	1.20	1.17	4.44	ppb
Copper	63-2	7.23	7.17	7.32	7.24	1.00	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				95		%
Indium	115-1				98		%
Indium	115-2				91		%
Iron	56-2	96202.06	96437.14	99470.33	97369.84	1.87	ppb
Iron	57-2	97559.00	98272.50	101558.35	99129.95	2.15	ppb
Krypton	83-1	-534.89	3948.84	1734.84	1716.26	130.63	ppb
Lead	206-1	5.13	4.96	5.02	5.04	1.71	ppb
Lead	207-1	4.31	4.13	4.30	4.25	2.35	ppb
Lead	208-1	4.64	4.53	4.51	4.56	1.53	ppb
Lithium	6-1				97		%
Magnesium	24-2	97693.90	97743.73	100009.34	98482.32	1.34	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:35:37	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.14	7.78	7.87	7.60	5.23	ppb
Molybdenum	94-1	1348.76	1334.15	1327.51	1336.81	0.81	ppb
Molybdenum	95-1	1905.30	1899.54	1882.26	1895.70	0.63	ppb
Molybdenum	96-1	1834.49	1833.82	1809.32	1825.88	0.79	ppb
Molybdenum	97-1	1924.53	1912.18	1885.14	1907.28	1.06	ppb
Molybdenum	98-1	1897.51	1903.65	1866.11	1889.09	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.03	7.49	7.39	7.30	3.33	ppb
Phosphorus	31-2	98454.75	95557.57	98827.62	97613.31	1.83	ppb
Potassium	39-2	97232.34	96488.73	99025.93	97582.34	1.34	ppb
Rhodium	103-1				95		%
Rhodium	103-2				91		%
Scandium	45-1				97		%
Scandium	45-2				92		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.68	0.05	-0.59	0.05	1400.22	ppb
Selenium	82-1	0.29	0.31	0.28	0.30	4.25	ppb
Silicon	28-1	36.76	35.34	74.91	49.00	45.80	ppb
Silver	109-1	0.05	0.06	0.07	0.06	19.12	ppb
Silver	107-1	0.04	0.06	0.07	0.06	27.49	ppb
Sodium	23-2	95328.07	96464.69	99097.46	96963.41	1.99	ppb
Strontium	86-1	32.72	33.11	32.31	32.72	1.22	ppb
Strontium	88-1	33.59	33.43	33.16	33.39	0.66	ppb
Sulfur	34-1	95715.11	96303.79	93529.17	95182.69	1.54	ppb
Terbium	159-1				103		%
Terbium	159-2				94		%
Thallium	203-1	0.13	0.15	0.16	0.15	9.21	ppb
Thallium	205-1	0.11	0.12	0.13	0.12	9.13	ppb
Tin	118-1	0.15	0.17	0.20	0.17	15.70	ppb
Titanium	47-1	1956.77	1980.99	1948.97	1962.24	0.85	ppb
Uranium	238-1	0.02	0.01	0.02	0.02	24.35	ppb
Vanadium	51-2	0.14	0.17	0.16	0.16	8.59	ppb
Yttrium	89-1				100		%
Yttrium	89-2				93		%
Zinc	66-2	10.67	11.15	11.14	10.99	2.48	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:35:37	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.30	0.25	0.23	0.26	15.02	ppb
Zirconium	91-1	0.34	0.28	0.24	0.29	17.76	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:38:54	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87739.99	88887.51	89461.72	88696.41	0.99	ppb
Antimony	121-1	20.38	20.30	20.15	20.27	0.58	ppb
Arsenic	75-2	20.00	18.70	19.05	19.25	3.49	ppb
Barium	135-1	21.80	20.81	20.82	21.14	2.68	ppb
Barium	137-1	20.76	20.60	21.10	20.82	1.21	ppb
Beryllium	9-1	20.56	19.96	19.80	20.10	1.98	ppb
Bismuth	209-1				99		%
Bismuth	209-2				87		%
Boron	10-1	3.34	2.89	2.98	3.07	7.76	ppb
Boron	11-1	2.55	2.68	2.56	2.59	2.81	ppb
Cadmium	111-1	19.22	19.58	19.11	19.30	1.28	ppb
Cadmium	106-1	14.91	16.77	16.94	16.21	6.94	ppb
Cadmium	108-1	27.31	24.92	25.12	25.78	5.13	ppb
Calcium	43-1	96027.40	92834.22	93530.91	94130.84	1.78	ppb
Calcium	44-1	94978.86	91162.88	93193.80	93111.84	2.05	ppb
Chromium	52-2	43.40	44.59	44.97	44.32	1.85	ppb
Cobalt	59-2	20.17	20.44	20.64	20.42	1.16	ppb
Copper	63-2	26.66	27.22	27.54	27.14	1.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				94		%
Indium	115-1				99		%
Indium	115-2				89		%
Iron	56-2	96455.48	99095.30	99124.27	98225.02	1.56	ppb
Iron	57-2	97247.55	100669.30	100719.20	99545.35	2.00	ppb
Krypton	83-1	2556.89	1497.99	-4126.38	-23.83		ppb
Lead	206-1	25.09	24.11	24.37	24.52	2.07	ppb
Lead	207-1	22.63	22.10	22.23	22.32	1.22	ppb
Lead	208-1	23.58	22.99	23.21	23.26	1.28	ppb
Lithium	6-1				96		%
Magnesium	24-2	98307.55	99453.92	100553.43	99438.30	1.13	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:38:54	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	26.89	26.72	27.29	26.97	1.09	ppb
Molybdenum	94-1	1362.60	1297.95	1325.55	1328.70	2.44	ppb
Molybdenum	95-1	1935.21	1860.41	1894.69	1896.77	1.97	ppb
Molybdenum	96-1	1846.98	1798.40	1822.85	1822.74	1.33	ppb
Molybdenum	97-1	1915.50	1865.84	1903.77	1895.04	1.37	ppb
Molybdenum	98-1	1888.43	1856.24	1874.19	1872.96	0.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	28.36	28.13	29.50	28.66	2.56	ppb
Phosphorus	31-2	95429.10	95279.11	99762.19	96823.46	2.63	ppb
Potassium	39-2	97219.99	98884.64	100784.36	98963.00	1.80	ppb
Rhodium	103-1				96		%
Rhodium	103-2				88		%
Scandium	45-1				97		%
Scandium	45-2				88		%
Selenium	77-2	11.82	12.30	8.12	10.75	21.26	ppb
Selenium	78-2	22.60	18.17	25.95	22.24	17.56	ppb
Selenium	82-1	20.29	19.23	19.27	19.60	3.05	ppb
Silicon	28-1	39.07	33.40	38.94	37.14	8.73	ppb
Silver	109-1	18.77	18.43	18.50	18.57	0.98	ppb
Silver	107-1	18.27	18.16	18.69	18.37	1.52	ppb
Sodium	23-2	97086.95	98678.95	98856.72	98207.54	0.99	ppb
Strontium	86-1	32.48	31.69	32.54	32.24	1.48	ppb
Strontium	88-1	33.25	32.41	33.10	32.92	1.35	ppb
Sulfur	34-1	95718.14	91917.55	94118.86	93918.18	2.03	ppb
Terbium	159-1				103		%
Terbium	159-2				91		%
Thallium	203-1	20.19	19.49	19.97	19.88	1.80	ppb
Thallium	205-1	19.90	19.65	19.95	19.83	0.82	ppb
Tin	118-1	0.18	0.17	0.15	0.17	6.96	ppb
Titanium	47-1	1998.41	1909.45	1944.60	1950.82	2.30	ppb
Uranium	238-1	0.02	0.01	0.01	0.01	8.77	ppb
Vanadium	51-2	19.32	19.44	20.05	19.60	1.99	ppb
Yttrium	89-1				100		%
Yttrium	89-2				90		%
Zinc	66-2	32.23	29.82	31.54	31.20	3.97	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:38:54	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.15	0.12	0.11	0.13	15.48	ppb
Zirconium	91-1	0.17	0.11	0.14	0.14	20.89	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV069	Instrumnet Name :	P8
Client Sample ID :	CCV069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:42:11	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51569.27	52545.55	54341.20	52818.67	2.66	ppb
Antimony	121-1	508.52	508.22	507.27	508.00	0.13	ppb
Arsenic	75-2	506.13	498.22	536.09	513.48	3.89	ppb
Barium	135-1	2558.04	2585.49	2549.09	2564.21	0.74	ppb
Barium	137-1	2532.39	2529.78	2519.47	2527.21	0.27	ppb
Beryllium	9-1	519.12	518.58	511.72	516.48	0.80	ppb
Bismuth	209-1				98		%
Bismuth	209-2				82		%
Boron	10-1	457.60	462.23	459.84	459.89	0.50	ppb
Boron	11-1	442.10	458.26	460.12	453.49	2.19	ppb
Cadmium	111-1	492.76	492.22	492.89	492.63	0.07	ppb
Cadmium	106-1	498.30	502.99	494.95	498.74	0.81	ppb
Cadmium	108-1	501.34	500.13	501.64	501.04	0.16	ppb
Calcium	43-1	244410.48	242569.88	245791.44	244257.27	0.66	ppb
Calcium	44-1	246287.71	242732.09	245716.02	244911.94	0.78	ppb
Chromium	52-2	512.98	522.55	548.44	527.99	3.47	ppb
Cobalt	59-2	482.98	495.66	515.93	498.19	3.34	ppb
Copper	63-2	966.10	975.51	1004.84	982.15	2.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				90		%
Indium	115-1				96		%
Indium	115-2				83		%
Iron	56-2	123840.21	127074.36	131041.03	127318.53	2.83	ppb
Iron	57-2	125528.32	129263.48	133553.92	129448.57	3.10	ppb
Krypton	83-1	589.79	6073.03	-153.69	2169.71	156.74	ppb
Lead	206-1	521.29	525.92	520.09	522.43	0.59	ppb
Lead	207-1	519.81	516.38	504.29	513.49	1.59	ppb
Lead	208-1	516.79	521.12	510.69	516.20	1.02	ppb
Lithium	6-1				95		%
Magnesium	24-2	246324.49	249630.74	258984.47	251646.57	2.61	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV069	Instrumnet Name :	P8
Client Sample ID :	CCV069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:42:11	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	993.19	1018.49	1044.86	1018.85	2.54	ppb
Molybdenum	94-1	2554.70	2552.23	2545.47	2550.80	0.19	ppb
Molybdenum	95-1	2533.12	2566.88	2522.37	2540.79	0.91	ppb
Molybdenum	96-1	2578.97	2552.37	2536.15	2555.83	0.85	ppb
Molybdenum	97-1	2564.91	2562.47	2544.09	2557.16	0.45	ppb
Molybdenum	98-1	2546.29	2549.20	2519.33	2538.27	0.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	497.73	508.50	527.32	511.18	2.93	ppb
Phosphorus	31-2	10061.89	10243.67	10530.48	10278.68	2.30	ppb
Potassium	39-2	125489.89	128256.46	131532.29	128426.21	2.36	ppb
Rhodium	103-1				93		%
Rhodium	103-2				83		%
Scandium	45-1				95		%
Scandium	45-2				87		%
Selenium	77-2	586.87	458.56	530.77	525.40	12.24	ppb
Selenium	78-2	482.38	495.02	491.00	489.47	1.32	ppb
Selenium	82-1	500.79	508.46	496.22	501.82	1.23	ppb
Silicon	28-1	587.74	588.10	600.31	592.05	1.21	ppb
Silver	109-1	525.03	517.99	517.40	520.14	0.82	ppb
Silver	107-1	514.09	522.86	515.26	517.40	0.92	ppb
Sodium	23-2	246321.29	249318.40	258395.59	251345.09	2.50	ppb
Strontium	86-1	504.20	501.39	496.80	500.80	0.75	ppb
Strontium	88-1	510.27	510.87	502.92	508.02	0.87	ppb
Sulfur	34-1	12475.14	11974.16	12503.10	12317.47	2.42	ppb
Terbium	159-1				102		%
Terbium	159-2				88		%
Thallium	203-1	524.35	524.19	515.68	521.40	0.95	ppb
Thallium	205-1	511.11	515.56	511.11	512.59	0.50	ppb
Tin	118-1	509.88	512.40	502.92	508.40	0.97	ppb
Titanium	47-1	2560.24	2544.77	2557.03	2554.01	0.32	ppb
Uranium	238-1	515.80	515.06	510.30	513.72	0.58	ppb
Vanadium	51-2	503.02	508.24	533.14	514.80	3.13	ppb
Yttrium	89-1				99		%
Yttrium	89-2				86		%
Zinc	66-2	984.00	1003.40	1039.97	1009.13	2.82	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV069	Instrumnet Name :	P8
Client Sample ID :	CCV069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:42:11	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	507.07	509.12	507.67	507.96	0.21	ppb
Zirconium	91-1	511.65	511.91	505.48	509.68	0.71	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB069	Instrumnet Name :	P8
Client Sample ID :	CCB069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:46:03	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.78	1.97	1.39	1.38	42.99	ppb
Antimony	121-1	0.69	0.69	0.68	0.69	0.63	ppb
Arsenic	75-2	0.02	0.03	0.05	0.03	49.29	ppb
Barium	135-1	0.09	0.07	0.04	0.07	40.73	ppb
Barium	137-1	0.06	0.04	0.02	0.04	39.34	ppb
Beryllium	9-1	0.25	0.16	0.18	0.20	23.69	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Boron	10-1	10.55	9.76	8.14	9.48	12.95	ppb
Boron	11-1	10.26	9.79	7.98	9.34	12.85	ppb
Cadmium	111-1	-0.05	0.03	0.05	0.01	606.62	ppb
Cadmium	106-1	-1.05	0.09	0.42	-0.18		ppb
Cadmium	108-1	-0.07	0.06	0.02	0.00		ppb
Calcium	43-1	3.60	11.23	1.58	5.47	93.11	ppb
Calcium	44-1	13.74	15.28	8.79	12.60	26.94	ppb
Chromium	52-2	0.04	-0.01	0.04	0.02	114.31	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	251.26	ppb
Copper	63-2	0.03	0.04	0.00	0.02	105.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	56-2	4.03	4.02	3.76	3.93	3.95	ppb
Iron	57-2	7.23	2.13	3.53	4.30	61.31	ppb
Krypton	83-1	4514.86	49.24	2260.49	2274.86	98.15	ppb
Lead	206-1	0.10	0.11	0.09	0.10	12.72	ppb
Lead	207-1	0.10	0.14	0.08	0.11	27.03	ppb
Lead	208-1	0.10	0.11	0.09	0.10	11.80	ppb
Lithium	6-1				99		%
Magnesium	24-2	5.98	3.42	2.82	4.07	41.24	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB069	Instrumnet Name :	P8
Client Sample ID :	CCB069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:46:03	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.01	-0.07	0.01	-0.02		ppb
Molybdenum	94-1	0.66	0.65	0.54	0.62	10.52	ppb
Molybdenum	95-1	0.68	0.70	0.56	0.65	12.08	ppb
Molybdenum	96-1	0.64	0.62	0.50	0.59	12.70	ppb
Molybdenum	97-1	0.64	0.56	0.54	0.58	9.53	ppb
Molybdenum	98-1	0.70	0.66	0.51	0.62	16.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.13	0.11	0.12	8.02	ppb
Phosphorus	31-2	2.54	-12.65	-12.65	-7.59		ppb
Potassium	39-2	16.67	11.40	5.95	11.34	47.23	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.23	0.63	0.63	0.83	41.46	ppb
Selenium	82-1	0.22	-0.03	0.14	0.11	117.30	ppb
Silicon	28-1	1.79	4.18	-1.32	1.55	177.79	ppb
Silver	109-1	0.06	0.04	0.05	0.05	15.78	ppb
Silver	107-1	0.03	0.04	0.02	0.03	35.46	ppb
Sodium	23-2	39.96	36.59	39.10	38.55	4.54	ppb
Strontium	86-1	-0.01	0.00	-0.01	-0.01		ppb
Strontium	88-1	0.02	0.01	0.01	0.01	20.32	ppb
Sulfur	34-1	-845.96	-91.66	-1145.13	-694.25		ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.19	0.20	0.15	0.18	13.61	ppb
Thallium	205-1	0.19	0.21	0.16	0.19	12.64	ppb
Tin	118-1	0.16	0.16	0.15	0.16	3.66	ppb
Titanium	47-1	0.11	0.13	0.09	0.11	17.39	ppb
Uranium	238-1	0.02	0.02	0.01	0.01	20.14	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	81.77	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	0.32	0.19	0.38	0.30	31.95	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB069	Instrumnet Name :	P8
Client Sample ID :	CCB069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:46:03	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.10	0.09	0.09	0.09	6.11	ppb
Zirconium	91-1	0.10	0.11	0.12	0.11	8.55	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:49:25	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.24	21.85	19.85	20.65	5.13	ppb
Antimony	121-1	2.36	2.33	2.15	2.28	4.94	ppb
Arsenic	75-2	1.12	1.16	1.07	1.12	4.11	ppb
Barium	135-1	10.61	10.26	10.11	10.32	2.48	ppb
Barium	137-1	10.52	9.90	9.80	10.07	3.85	ppb
Beryllium	9-1	1.31	1.17	1.08	1.18	9.75	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Boron	10-1	26.04	27.29	24.75	26.03	4.88	ppb
Boron	11-1	26.54	25.66	25.30	25.83	2.49	ppb
Cadmium	111-1	1.14	0.94	0.90	0.99	13.14	ppb
Cadmium	106-1	1.40	0.55	0.50	0.82	62.13	ppb
Cadmium	108-1	0.83	1.17	0.96	0.99	17.41	ppb
Calcium	43-1	507.66	494.42	457.15	486.41	5.39	ppb
Calcium	44-1	520.55	499.22	477.51	499.09	4.31	ppb
Chromium	52-2	2.14	1.86	2.12	2.04	7.78	ppb
Cobalt	59-2	1.02	0.95	1.02	1.00	3.92	ppb
Copper	63-2	2.07	2.12	2.12	2.10	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	53.95	53.68	54.74	54.12	1.02	ppb
Iron	57-2	44.83	44.14	52.65	47.21	10.01	ppb
Krypton	83-1	-3880.22	371.90	-1402.65	-1636.99		ppb
Lead	206-1	1.10	1.04	1.12	1.09	4.22	ppb
Lead	207-1	1.11	1.06	1.05	1.07	3.47	ppb
Lead	208-1	1.13	1.06	1.08	1.09	3.30	ppb
Lithium	6-1				98		%
Magnesium	24-2	520.29	520.25	527.93	522.82	0.85	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:49:25	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.01	1.06	1.18	1.08	8.28	ppb
Molybdenum	94-1	5.95	5.43	5.10	5.49	7.82	ppb
Molybdenum	95-1	5.47	5.24	5.03	5.24	4.22	ppb
Molybdenum	96-1	5.64	5.30	5.20	5.38	4.38	ppb
Molybdenum	97-1	5.42	5.14	5.10	5.22	3.40	ppb
Molybdenum	98-1	5.49	5.28	5.04	5.27	4.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.11	1.15	1.16	1.14	2.52	ppb
Phosphorus	31-2	2.11	2.20	-12.65	-2.78		ppb
Potassium	39-2	501.93	497.02	504.03	500.99	0.72	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	77-2	3.71	11.13	11.12	8.66	49.45	ppb
Selenium	78-2	3.66	6.08	7.89	5.88	36.13	ppb
Selenium	82-1	5.72	5.73	5.15	5.53	6.00	ppb
Silicon	28-1	19.92	17.51	14.07	17.17	17.10	ppb
Silver	109-1	1.08	1.11	1.04	1.08	3.46	ppb
Silver	107-1	1.10	1.05	1.03	1.06	3.66	ppb
Sodium	23-2	525.81	534.93	542.54	534.43	1.57	ppb
Strontium	86-1	1.14	1.07	1.09	1.10	3.29	ppb
Strontium	88-1	1.11	1.07	1.01	1.06	4.56	ppb
Sulfur	34-1	-317.64	-912.46	-1308.85	-846.32		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	1.10	1.12	1.02	1.08	4.89	ppb
Thallium	205-1	1.18	1.12	1.06	1.12	5.15	ppb
Tin	118-1	5.47	5.15	4.96	5.19	4.92	ppb
Titanium	47-1	5.51	5.00	5.23	5.25	4.88	ppb
Uranium	238-1	1.05	1.02	1.01	1.02	1.88	ppb
Vanadium	51-2	4.64	4.68	4.94	4.76	3.36	ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	2.08	2.18	2.16	2.14	2.44	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:49:25	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1.34	1.23	1.19	1.26	6.05	ppb
Zirconium	91-1	1.32	1.28	1.20	1.26	4.84	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	J5079-06A	Instrumnet Name :	P8
Client Sample ID :	MYAK64A	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:52:47	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	163.10	165.94	160.98	163.34	1.52	ppb
Antimony	121-1	0.20	0.21	0.23	0.22	5.64	ppb
Arsenic	75-2	8.23	7.77	8.35	8.12	3.80	ppb
Barium	135-1	39.19	40.26	38.47	39.30	2.29	ppb
Barium	137-1	38.40	38.96	38.13	38.50	1.10	ppb
Beryllium	9-1	0.06	0.05	0.09	0.06	32.22	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Boron	10-1	258.72	265.36	264.75	262.94	1.39	ppb
Boron	11-1	257.94	271.02	264.61	264.52	2.47	ppb
Cadmium	111-1	0.04	0.03	0.03	0.03	15.65	ppb
Cadmium	106-1	0.39	0.18	0.29	0.29	36.11	ppb
Cadmium	108-1	0.15	0.04	0.01	0.07	117.84	ppb
Calcium	43-1	23155.04	23703.81	22727.21	23195.35	2.11	ppb
Calcium	44-1	23295.31	23771.61	22947.44	23338.12	1.77	ppb
Chromium	52-2	0.20	0.03	0.17	0.13	67.54	ppb
Cobalt	59-2	0.17	0.22	0.20	0.20	12.25	ppb
Copper	63-2	1.26	1.35	1.15	1.25	7.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	230.62	231.89	229.23	230.58	0.58	ppb
Iron	57-2	226.67	239.79	222.33	229.60	3.96	ppb
Krypton	83-1	-1870.57	4281.73	-1695.71	238.48	1468.72	ppb
Lead	206-1	0.38	0.36	0.30	0.35	11.12	ppb
Lead	207-1	0.36	0.33	0.33	0.34	5.26	ppb
Lead	208-1	0.36	0.36	0.33	0.35	5.79	ppb
Lithium	6-1				105		%
Magnesium	24-2	6329.88	6461.09	6299.08	6363.35	1.35	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	J5079-06A	Instrumnet Name :	P8
Client Sample ID :	MYAK64A	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:52:47	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	50.81	51.52	50.77	51.03	0.83	ppb
Molybdenum	94-1	5.13	5.44	5.03	5.20	4.16	ppb
Molybdenum	95-1	6.40	6.60	6.25	6.42	2.78	ppb
Molybdenum	96-1	6.09	6.25	5.89	6.08	2.97	ppb
Molybdenum	97-1	6.05	6.28	5.83	6.05	3.78	ppb
Molybdenum	98-1	6.35	6.45	6.27	6.35	1.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.57	0.54	0.52	0.54	4.54	ppb
Phosphorus	31-2	29.75	15.87	100.32	48.65	93.09	ppb
Potassium	39-2	2798.31	2875.07	2774.70	2816.03	1.86	ppb
Rhodium	103-1				105		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	1.17	1.73	-0.59	0.77	157.68	ppb
Selenium	82-1	0.10	0.34	0.39	0.28	57.17	ppb
Silicon	28-1	5189.94	5345.02	5047.15	5194.04	2.87	ppb
Silver	109-1	0.01	0.01	0.00	0.01	70.91	ppb
Silver	107-1	0.02	0.02	0.02	0.02	1.28	ppb
Sodium	23-2	30791.02	30577.40	30531.12	30633.18	0.45	ppb
Strontium	86-1	233.34	237.28	231.30	233.97	1.30	ppb
Strontium	88-1	240.72	244.85	236.77	240.78	1.68	ppb
Sulfur	34-1	12982.23	13923.72	12357.86	13087.94	6.02	ppb
Terbium	159-1				109		%
Terbium	159-2				103		%
Thallium	203-1	0.08	0.07	0.05	0.07	23.87	ppb
Thallium	205-1	0.07	0.09	0.06	0.07	19.50	ppb
Tin	118-1	0.23	0.21	0.22	0.22	5.74	ppb
Titanium	47-1	5.53	5.44	5.36	5.44	1.53	ppb
Uranium	238-1	9.16	9.39	8.72	9.09	3.77	ppb
Vanadium	51-2	3.06	3.06	3.03	3.05	0.55	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	16.69	17.17	17.33	17.06	1.98	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	J5079-06A	Instrumnet Name :	P8
Client Sample ID :	MYAK64A	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:52:47	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.58	0.52	0.52	0.54	6.53	ppb
Zirconium	91-1	0.60	0.50	0.42	0.51	18.22	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV070	Instrumnet Name :	P8
Client Sample ID :	CCV070	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 15:11:49	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53043.64	52233.07	51684.83	52320.51	1.31	ppb
Antimony	121-1	512.54	495.30	494.18	500.67	2.06	ppb
Arsenic	75-2	504.26	498.27	495.02	499.18	0.94	ppb
Barium	135-1	2548.52	2503.61	2492.57	2514.90	1.18	ppb
Barium	137-1	2535.32	2471.73	2497.64	2501.56	1.28	ppb
Beryllium	9-1	522.48	505.93	514.56	514.33	1.61	ppb
Bismuth	209-1				101		%
Bismuth	209-2				94		%
Boron	10-1	452.29	448.63	466.56	455.83	2.08	ppb
Boron	11-1	445.06	441.37	452.11	446.18	1.22	ppb
Cadmium	111-1	495.19	482.06	480.76	486.00	1.64	ppb
Cadmium	106-1	499.98	489.29	497.98	495.75	1.15	ppb
Cadmium	108-1	501.41	493.28	487.95	494.21	1.37	ppb
Calcium	43-1	245827.28	239483.80	233500.55	239603.87	2.57	ppb
Calcium	44-1	247906.91	240907.38	236535.32	241783.20	2.37	ppb
Chromium	52-2	522.10	516.53	510.36	516.33	1.14	ppb
Cobalt	59-2	493.15	485.33	478.81	485.76	1.48	ppb
Copper	63-2	966.13	970.76	952.89	963.26	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				93		%
Iron	56-2	127027.68	125932.19	123128.08	125362.65	1.60	ppb
Iron	57-2	129490.62	125685.22	124096.64	126424.16	2.19	ppb
Krypton	83-1	-857.08	-6452.96	7976.01	221.99	3277.07	ppb
Lead	206-1	524.24	502.48	510.44	512.39	2.15	ppb
Lead	207-1	518.58	499.40	513.57	510.52	1.95	ppb
Lead	208-1	522.10	503.33	508.39	511.28	1.90	ppb
Lithium	6-1				100		%
Magnesium	24-2	252768.67	250895.20	244744.47	249469.45	1.68	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV070	Instrumnet Name :	P8
Client Sample ID :	CCV070	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 15:11:49	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1013.32	1002.30	982.39	999.33	1.57	ppb
Molybdenum	94-1	2573.46	2492.91	2475.72	2514.03	2.08	ppb
Molybdenum	95-1	2555.58	2492.16	2482.23	2509.99	1.59	ppb
Molybdenum	96-1	2539.23	2484.01	2464.33	2495.86	1.56	ppb
Molybdenum	97-1	2534.08	2486.11	2503.03	2507.74	0.97	ppb
Molybdenum	98-1	2523.43	2470.84	2474.23	2489.50	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.45	501.04	490.84	499.44	1.59	ppb
Phosphorus	31-2	10248.94	10829.12	10382.94	10487.00	2.90	ppb
Potassium	39-2	128448.17	126465.83	126030.90	126981.63	1.01	ppb
Rhodium	103-1				96		%
Rhodium	103-2				92		%
Scandium	45-1				99		%
Scandium	45-2				96		%
Selenium	77-2	507.55	491.26	488.37	495.73	2.09	ppb
Selenium	78-2	460.00	491.76	513.68	488.48	5.53	ppb
Selenium	82-1	496.38	491.32	488.30	492.00	0.83	ppb
Silicon	28-1	587.18	580.40	568.10	578.56	1.67	ppb
Silver	109-1	520.81	506.73	497.66	508.40	2.29	ppb
Silver	107-1	518.70	504.25	504.60	509.18	1.62	ppb
Sodium	23-2	253273.55	249215.87	245677.85	249389.09	1.52	ppb
Strontium	86-1	497.08	491.64	483.74	490.82	1.37	ppb
Strontium	88-1	509.19	498.47	497.33	501.66	1.30	ppb
Sulfur	34-1	13482.84	12563.13	11849.06	12631.68	6.48	ppb
Terbium	159-1				106		%
Terbium	159-2				99		%
Thallium	203-1	529.87	511.05	513.77	518.23	1.96	ppb
Thallium	205-1	519.27	504.76	509.95	511.33	1.44	ppb
Tin	118-1	507.77	492.65	497.43	499.28	1.55	ppb
Titanium	47-1	2580.39	2473.66	2445.25	2499.77	2.85	ppb
Uranium	238-1	522.53	504.36	503.60	510.17	2.10	ppb
Vanadium	51-2	508.27	499.48	498.85	502.20	1.05	ppb
Yttrium	89-1				103		%
Yttrium	89-2				96		%
Zinc	66-2	1001.67	993.56	977.57	990.94	1.24	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV070	Instrumnet Name :	P8
Client Sample ID :	CCV070	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 15:11:49	DataFile Name :	021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	512.94	500.39	499.75	504.36	1.47	ppb
Zirconium	91-1	517.83	502.39	507.35	509.19	1.55	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB070	Instrumnet Name :	P8
Client Sample ID :	CCB070	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 15:17:58	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.48	0.75	0.47	0.25	263.57	ppb
Antimony	121-1	0.36	0.36	0.36	0.36	0.50	ppb
Arsenic	75-2	0.02	0.03	0.06	0.04	64.39	ppb
Barium	135-1	0.01	0.02	0.01	0.02	33.29	ppb
Barium	137-1	-0.01	0.01	0.00	0.00		ppb
Beryllium	9-1	0.07	0.14	0.11	0.11	34.12	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Boron	10-1	6.33	5.63	6.35	6.10	6.66	ppb
Boron	11-1	6.15	6.04	5.87	6.02	2.32	ppb
Cadmium	111-1	-0.03	0.05	0.05	0.02	216.73	ppb
Cadmium	106-1	-0.51	0.46	0.64	0.20	313.55	ppb
Cadmium	108-1	-0.05	-0.05	-0.08	-0.06		ppb
Calcium	43-1	-5.24	-3.18	-5.97	-4.80		ppb
Calcium	44-1	2.92	4.45	2.91	3.43	25.77	ppb
Chromium	52-2	-0.04	0.05	0.10	0.03	216.59	ppb
Cobalt	59-2	-0.01	-0.01	0.00	0.00		ppb
Copper	63-2	-0.03	-0.01	-0.06	-0.03		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				99		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	56-2	1.40	1.45	1.45	1.43	1.99	ppb
Iron	57-2	1.95	1.43	2.13	1.84	19.89	ppb
Krypton	83-1	2824.07	3736.77	5467.25	4009.36	33.48	ppb
Lead	206-1	0.05	0.05	0.05	0.05	6.97	ppb
Lead	207-1	0.06	0.05	0.06	0.06	7.98	ppb
Lead	208-1	0.06	0.04	0.04	0.05	18.00	ppb
Lithium	6-1				102		%
Magnesium	24-2	0.78	3.11	4.78	2.89	69.57	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB070	Instrumnet Name :	P8
Client Sample ID :	CCB070	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 15:17:58	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.01	-0.04	0.01	-0.01		ppb
Molybdenum	94-1	0.32	0.30	0.32	0.31	4.55	ppb
Molybdenum	95-1	0.28	0.24	0.22	0.25	11.43	ppb
Molybdenum	96-1	0.25	0.26	0.22	0.24	8.86	ppb
Molybdenum	97-1	0.25	0.21	0.24	0.23	10.80	ppb
Molybdenum	98-1	0.26	0.23	0.20	0.23	13.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.08	0.09	0.05	98.64	ppb
Phosphorus	31-2	1.89	2.37	-12.65	-2.80		ppb
Potassium	39-2	7.28	8.82	5.43	7.18	23.68	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.59	0.64	0.02	0.02	2625.04	ppb
Selenium	82-1	0.19	0.55	0.04	0.26	101.82	ppb
Silicon	28-1	-0.79	0.63	0.43	0.09	848.97	ppb
Silver	109-1	0.00	0.01	0.01	0.01	44.89	ppb
Silver	107-1	0.01	0.02	0.00	0.01	82.66	ppb
Sodium	23-2	25.68	33.61	24.82	28.04	17.28	ppb
Strontium	86-1	-0.04	0.01	-0.06	-0.03		ppb
Strontium	88-1	0.00	0.01	0.01	0.01	39.06	ppb
Sulfur	34-1	-466.47	-229.99	-422.57	-373.01		ppb
Terbium	159-1				104		%
Terbium	159-2				98		%
Thallium	203-1	0.09	0.12	0.08	0.09	19.88	ppb
Thallium	205-1	0.09	0.08	0.08	0.08	7.83	ppb
Tin	118-1	0.22	0.18	0.22	0.20	10.92	ppb
Titanium	47-1	0.00	0.02	0.03	0.02	81.55	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	411.81	ppb
Yttrium	89-1				101		%
Yttrium	89-2				97		%
Zinc	66-2	-0.65	-0.66	-0.62	-0.64		ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB070	Instrumnet Name :	P8
Client Sample ID :	CCB070	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 15:17:58	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.10	0.10	0.10	0.10	0.65	ppb
Zirconium	91-1	0.09	0.16	0.08	0.11	38.66	ppb

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:35:10	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23	8	20	17	48.23	cps
Antimony	121-1	133	167	325	208	49.15	cps
Arsenic	75-2	4	4	4	4	0.00	cps
Barium	135-1	17	25	33	25	33.32	cps
Barium	137-1	50	158	50	86	72.64	cps
Beryllium	9-1	200	183	200	194	4.95	cps
Bismuth	209-1	5053046	4919063	5117400	5029836	2.01	cps
Bismuth	209-2	1870177	1867850	1799652	1845893	2.17	cps
Boron	10-1	375	492	467	444	13.82	cps
Boron	11-1	2534	2425	2484	2481	2.19	cps
Cadmium	111-1	1161	1120	1155	1145	1.93	cps
Cadmium	106-1	1659	1609	1659	1642	1.76	cps
Cadmium	108-1	13	21	21	18	26.64	cps
Calcium	43-1	583	542	550	558	3.95	cps
Calcium	44-1	17253	16878	17845	17325	2.82	cps
Chromium	52-2	443	430	457	443	3.01	cps
Cobalt	59-2	87	57	73	72	20.81	cps
Copper	63-2	487	457	503	482	4.91	cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	50	33	8	31	68.64	cps
Erbium	164-2	3	13	10	9	57.30	cps
Gadolinium	160-1	42	92	33	56	56.79	cps
Gadolinium	160-2	20	20	0	13	86.60	cps
Holmium	165-1	7536672	7529738	7695086	7587165	1.23	cps
Holmium	165-2	2247011	2224453	2153313	2208259	2.21	cps
Indium	115-1	6490490	6477514	6717043	6561683	2.05	cps
Indium	115-2	377282	378049	361707	372346	2.48	cps
Iron	56-2	1433	1517	1189	1380	12.35	cps
Iron	57-2	44	33	56	44	25.01	cps
Krypton	83-1	347	393	447	396	12.65	cps
Lead	206-1	300	361	278	313	13.79	cps
Lead	207-1	272	283	272	276	2.33	cps
Lead	208-1	1317	1317	1133	1256	8.43	cps
Lithium	6-1	1621611	1647290	1643836	1637579	0.85	cps
Magnesium	24-2	317	317	283	306	6.30	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:35:10	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	40	80	30	50	52.92	cps
Molybdenum	94-1	242	267	342	283	18.37	cps
Molybdenum	95-1	117	175	142	144	20.26	cps
Molybdenum	96-1	258	217	275	250	12.02	cps
Molybdenum	97-1	217	208	175	200	11.02	cps
Molybdenum	98-1	258	217	342	272	23.38	cps
Neodymium	150-1	0	7	7	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	327	323	377	342	8.73	cps
Phosphorus	31-2	25	0	0	8	173.21	cps
Potassium	39-2	3367	3417	3542	3442	2.62	cps
Rhodium	103-1	6298141	6200358	6347881	6282127	1.19	cps
Rhodium	103-2	2071561	2086685	1988686	2048977	2.57	cps
Scandium	45-1	4672007	4584198	4744102	4666769	1.72	cps
Scandium	45-2	40793	42204	39850	40949	2.89	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	4	2	2	100.00	cps
Selenium	82-1	226	228	188	214	10.46	cps
Silicon	28-1	290984	289922	292074	290993	0.37	cps
Silver	109-1	92	67	33	64	45.81	cps
Silver	107-1	58	83	67	69	18.33	cps
Sodium	23-2	8786	9070	8478	8778	3.37	cps
Strontium	86-1	592	758	700	683	12.38	cps
Strontium	88-1	133	142	167	147	11.78	cps
Sulfur	34-1	416877	422995	418783	419551	0.75	cps
Terbium	159-1	7881721	7904956	8021609	7936095	0.94	cps
Terbium	159-2	2211575	2202672	2121645	2178631	2.27	cps
Thallium	203-1	225	192	233	217	10.18	cps
Thallium	205-1	517	442	392	450	13.98	cps
Tin	118-1	817	942	958	906	8.55	cps
Titanium	47-1	150	83	142	125	29.06	cps
Uranium	238-1	117	100	83	100	16.66	cps
Vanadium	51-2	10	0	0	3	173.21	cps
Yttrium	89-1	7002307	7006741	7151541	7053530	1.20	cps
Yttrium	89-2	280134	281978	269576	277229	2.41	cps
Zinc	66-2	287	247	240	258	9.79	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:35:10	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	617	675	658	650	4.62	cps
Zirconium	91-1	75	133	150	119	32.97	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:42:41	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	193	203	200	198	2.63	cps
Antimony	121-1	16461	17178	16828	16822	2.13	cps
Arsenic	75-2	130	122	148	133	10.02	cps
Barium	135-1	17571	17462	17855	17629	1.15	cps
Barium	137-1	30236	30486	30077	30266	0.68	cps
Beryllium	9-1	1934	2178	1978	2030	6.42	cps
Bismuth	209-1	4695417	5058534	5209630	4987861	5.30	cps
Bismuth	209-2	1878922	1882781	1891923	1884542	0.35	cps
Boron	10-1	5176	5059	5735	5323	6.78	cps
Boron	11-1	24989	25190	25307	25162	0.64	cps
Cadmium	111-1	3259	3133	3042	3145	3.47	cps
Cadmium	106-1	1909	1950	1842	1900	2.88	cps
Cadmium	108-1	146	183	175	168	11.72	cps
Calcium	43-1	12156	11805	11280	11747	3.75	cps
Calcium	44-1	202466	197959	197124	199183	1.44	cps
Chromium	52-2	2524	2547	2687	2586	3.42	cps
Cobalt	59-2	2294	2187	2184	2221	2.82	cps
Copper	63-2	4167	4194	4297	4220	1.63	cps
Dysprosium	156-1	8	17	17	14	34.67	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	50	50	42	47	10.18	cps
Erbium	164-2	7	17	17	13	43.29	cps
Gadolinium	160-1	50	42	25	39	32.73	cps
Gadolinium	160-2	3	3	17	8	99.04	cps
Holmium	165-1	7312672	7534768	7643872	7497104	2.25	cps
Holmium	165-2	2240793	2256190	2271672	2256218	0.68	cps
Indium	115-1	6293311	6623705	6691362	6536126	3.26	cps
Indium	115-2	379576	386961	384154	383564	0.97	cps
Iron	56-2	36944	37479	37362	37261	0.75	cps
Iron	57-2	1039	911	983	978	6.55	cps
Krypton	83-1	437	387	360	394	9.87	cps
Lead	206-1	5223	5301	5385	5303	1.52	cps
Lead	207-1	4873	4823	4896	4864	0.76	cps
Lead	208-1	21597	21981	22119	21899	1.24	cps
Lithium	6-1	1605147	1667686	1667930	1646921	2.20	cps
Magnesium	24-2	19406	20248	20482	20045	2.82	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:42:41	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	433	357	413	401	9.91	cps
Molybdenum	94-1	14825	15001	14592	14806	1.39	cps
Molybdenum	95-1	18922	18522	19373	18939	2.25	cps
Molybdenum	96-1	20984	20825	19857	20555	2.97	cps
Molybdenum	97-1	11756	11397	11897	11683	2.21	cps
Molybdenum	98-1	29500	29275	28514	29096	1.77	cps
Neodymium	150-1	7	0	20	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	997	1020	1140	1052	7.31	cps
Phosphorus	31-2	0	25	8	11	114.58	cps
Potassium	39-2	13849	14758	14408	14338	3.20	cps
Rhodium	103-1	6032757	6329108	6456547	6272804	3.47	cps
Rhodium	103-2	2057227	2073679	2079580	2070162	0.56	cps
Scandium	45-1	4450604	4653521	4763152	4622426	3.43	cps
Scandium	45-2	43273	42080	42030	42461	1.66	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	22	11	30	21	44.42	cps
Selenium	82-1	857	819	912	863	5.37	cps
Silicon	28-1	380688	380630	377303	379540	0.51	cps
Silver	109-1	8620	9028	8920	8856	2.39	cps
Silver	107-1	9420	9395	9646	9487	1.45	cps
Sodium	23-2	52949	53844	52297	53030	1.46	cps
Strontium	86-1	2684	3151	2842	2892	8.21	cps
Strontium	88-1	22043	20508	20775	21109	3.89	cps
Sulfur	34-1	434181	439438	437026	436881	0.60	cps
Terbium	159-1	7622870	8016707	8102878	7914152	3.23	cps
Terbium	159-2	2204964	2206127	2225287	2212126	0.52	cps
Thallium	203-1	6285	6077	5985	6116	2.51	cps
Thallium	205-1	14734	14834	15460	15010	2.62	cps
Tin	118-1	29651	29584	30151	29795	1.04	cps
Titanium	47-1	5743	5668	5843	5751	1.53	cps
Uranium	238-1	19884	20000	18590	19491	4.02	cps
Vanadium	51-2	3711	3837	3791	3779	1.70	cps
Yttrium	89-1	6875207	7182621	7233514	7097114	2.73	cps
Yttrium	89-2	282811	284570	286829	284736	0.71	cps
Zinc	66-2	707	593	573	624	11.52	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:42:41	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	12923	12873	12081	12626	3.74	cps
Zirconium	91-1	2559	2634	2717	2636	3.00	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:46:26	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8823	9158	8935	8972	1.90	cps
Antimony	121-1	421636	425885	423596	423706	0.50	cps
Arsenic	75-2	6429	6639	6402	6490	2.00	cps
Barium	135-1	448864	447695	450643	449067	0.33	cps
Barium	137-1	784452	783438	783454	783781	0.07	cps
Beryllium	9-1	91070	89432	90376	90293	0.91	cps
Bismuth	209-1	5052660	5069973	5091108	5071247	0.38	cps
Bismuth	209-2	1890945	1687817	1804880	1794547	5.68	cps
Boron	10-1	12064	11830	12372	12089	2.25	cps
Boron	11-1	55634	56379	56688	56233	0.96	cps
Cadmium	111-1	100032	99130	99091	99417	0.54	cps
Cadmium	106-1	12682	12181	12423	12429	2.01	cps
Cadmium	108-1	7344	7390	7219	7317	1.21	cps
Calcium	43-1	115757	117338	118429	117175	1.15	cps
Calcium	44-1	1967343	1956213	1952128	1958561	0.40	cps
Chromium	52-2	52635	53204	52558	52799	0.67	cps
Cobalt	59-2	111280	110733	110544	110852	0.34	cps
Copper	63-2	188573	187905	186517	187665	0.56	cps
Dysprosium	156-1	25	50	25	33	43.30	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	8	42	17	22	78.07	cps
Erbium	164-2	3	0	0	1	173.21	cps
Gadolinium	160-1	33	83	83	67	43.31	cps
Gadolinium	160-2	0	3	3	2	86.60	cps
Holmium	165-1	7638684	7663443	7690496	7664208	0.34	cps
Holmium	165-2	2242078	2037781	2190305	2156721	4.92	cps
Indium	115-1	6649315	6676198	6689112	6671542	0.30	cps
Indium	115-2	375387	345794	370411	363864	4.35	cps
Iron	56-2	1833833	1816294	1801477	1817201	0.89	cps
Iron	57-2	44778	43830	44282	44297	1.07	cps
Krypton	83-1	423	427	363	404	8.81	cps
Lead	206-1	252091	253168	252793	252684	0.22	cps
Lead	207-1	230159	227476	232401	230012	1.07	cps
Lead	208-1	1031613	1032958	1038972	1034514	0.38	cps
Lithium	6-1	1660168	1680578	1659019	1666588	0.73	cps
Magnesium	24-2	202017	206791	205226	204678	1.19	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:46:26	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	31943	31923	31362	31743	1.04	cps
Molybdenum	94-1	767534	757888	761417	762280	0.64	cps
Molybdenum	95-1	940913	930923	939126	936987	0.57	cps
Molybdenum	96-1	1033915	1038013	1039409	1037112	0.28	cps
Molybdenum	97-1	572575	579590	577411	576525	0.62	cps
Molybdenum	98-1	1499073	1533421	1503860	1512118	1.23	cps
Neodymium	150-1	40	20	33	31	32.73	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	33126	32652	32922	32900	0.72	cps
Phosphorus	31-2	550	492	642	561	13.48	cps
Potassium	39-2	56255	57861	57509	57209	1.48	cps
Rhodium	103-1	6346139	6371204	6394300	6370548	0.38	cps
Rhodium	103-2	2058316	1900717	2007549	1988861	4.04	cps
Scandium	45-1	4704120	4706580	4674271	4694990	0.38	cps
Scandium	45-2	41060	38082	39887	39676	3.78	cps
Selenium	77-2	67	43	50	53	22.54	cps
Selenium	78-2	198	185	154	179	12.77	cps
Selenium	82-1	6893	6593	6910	6798	2.62	cps
Silicon	28-1	578007	573970	576737	576238	0.36	cps
Silver	109-1	454786	453234	454989	454336	0.21	cps
Silver	107-1	481329	482479	478578	480795	0.42	cps
Sodium	23-2	454581	457420	451287	454429	0.68	cps
Strontium	86-1	124934	121427	122278	122880	1.49	cps
Strontium	88-1	1059365	1064719	1065311	1063132	0.31	cps
Sulfur	34-1	475272	473213	469685	472723	0.60	cps
Terbium	159-1	8067096	7993179	8114536	8058270	0.76	cps
Terbium	159-2	2199090	2026637	2136786	2120838	4.12	cps
Thallium	203-1	312305	316429	314965	314566	0.66	cps
Thallium	205-1	756904	764534	756478	759305	0.60	cps
Tin	118-1	295011	294988	294784	294928	0.04	cps
Titanium	47-1	286759	286688	288396	287281	0.34	cps
Uranium	238-1	969058	975626	980379	975021	0.58	cps
Vanadium	51-2	38964	38109	38346	38473	1.15	cps
Yttrium	89-1	7247164	7170345	7311757	7243089	0.98	cps
Yttrium	89-2	279226	258776	275152	271051	3.99	cps
Zinc	66-2	19197	19153	18946	19099	0.70	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:46:26	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	644009	639812	641725	641849	0.33	cps
Zirconium	91-1	142726	142877	142919	142841	0.07	cps

LB Number : LB98344 Operator : Jaswal
 Lab Sample ID : S04 Instrumnet Name : P8
 Client Sample ID : S04 Dilution Factor : 1
 Date & Time Acquired :: 2018-10-03 13:50:09 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	21316	20971	21599	21296	1.48	cps
Antimony	121-1	1076637	1077304	1070375	1074772	0.36	cps
Arsenic	75-2	15844	15852	15785	15827	0.23	cps
Barium	135-1	1149235	1130128	1134932	1138098	0.87	cps
Barium	137-1	2044360	2006000	2000363	2016908	1.19	cps
Beryllium	9-1	223762	222533	223638	223311	0.30	cps
Bismuth	209-1	5144334	5139331	5153088	5145585	0.14	cps
Bismuth	209-2	1812144	1901198	1780905	1831416	3.41	cps
Boron	10-1	28613	28412	28972	28666	0.99	cps
Boron	11-1	137888	136165	139867	137973	1.34	cps
Cadmium	111-1	249481	248640	247406	248509	0.42	cps
Cadmium	106-1	28514	28089	28581	28395	0.94	cps
Cadmium	108-1	17887	18396	17641	17975	2.14	cps
Calcium	43-1	290390	288719	293680	290930	0.87	cps
Calcium	44-1	4719803	4771346	4730351	4740500	0.57	cps
Chromium	52-2	125742	125741	126279	125921	0.25	cps
Cobalt	59-2	268911	268682	266928	268174	0.40	cps
Copper	63-2	453634	453280	455913	454276	0.31	cps
Dysprosium	156-1	42	67	33	47	36.74	cps
Dysprosium	156-2	0	3	10	4	114.60	cps
Erbium	164-1	50	25	33	36	35.25	cps
Erbium	164-2	0	13	10	8	89.21	cps
Gadolinium	160-1	92	83	92	89	5.41	cps
Gadolinium	160-2	7	13	0	7	99.98	cps
Holmium	165-1	7834943	7897984	7830174	7854367	0.48	cps
Holmium	165-2	2191502	2274793	2190369	2218888	2.18	cps
Indium	115-1	6630629	6679628	6646107	6652121	0.38	cps
Indium	115-2	364218	371717	358748	364894	1.78	cps
Iron	56-2	4366758	4402152	4384494	4384468	0.40	cps
Iron	57-2	107881	109007	108961	108616	0.59	cps
Krypton	83-1	410	413	360	394	7.57	cps
Lead	206-1	646393	648266	645509	646723	0.22	cps
Lead	207-1	590865	589099	588347	589437	0.22	cps
Lead	208-1	2653835	2654619	2651894	2653449	0.05	cps
Lithium	6-1	1676668	1679069	1651411	1669049	0.92	cps
Magnesium	24-2	488205	488297	489649	488717	0.17	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:50:09	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	76032	76887	76435	76451	0.56	cps
Molybdenum	94-1	1933866	1949754	1974683	1952768	1.05	cps
Molybdenum	95-1	2376503	2387146	2365433	2376360	0.46	cps
Molybdenum	96-1	2691668	2625455	2697263	2671462	1.50	cps
Molybdenum	97-1	1501260	1465610	1473972	1480281	1.26	cps
Molybdenum	98-1	3809473	3744547	3728247	3760755	1.14	cps
Neodymium	150-1	60	67	67	64	5.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	77873	78191	78392	78152	0.34	cps
Phosphorus	31-2	1684	1525	1567	1592	5.16	cps
Potassium	39-2	132645	132979	132350	132658	0.24	cps
Rhodium	103-1	6385784	6216740	6224096	6275540	1.52	cps
Rhodium	103-2	1986944	2044862	1951611	1994472	2.36	cps
Scandium	45-1	4596031	4662005	4615315	4624450	0.73	cps
Scandium	45-2	39840	40806	38513	39720	2.90	cps
Selenium	77-2	123	113	127	121	5.73	cps
Selenium	78-2	404	396	398	399	0.96	cps
Selenium	82-1	16598	16913	16645	16719	1.02	cps
Silicon	28-1	968610	968845	973133	970196	0.26	cps
Silver	109-1	1143808	1133725	1143812	1140449	0.51	cps
Silver	107-1	1196176	1197796	1196293	1196755	0.08	cps
Sodium	23-2	1096542	1111566	1089206	1099105	1.04	cps
Strontium	86-1	306370	307195	303250	305605	0.68	cps
Strontium	88-1	2673126	2700773	2655163	2676354	0.86	cps
Sulfur	34-1	513154	508474	511080	510903	0.46	cps
Terbium	159-1	8231123	8201154	8229697	8220658	0.21	cps
Terbium	159-2	2163311	2188618	2131692	2161207	1.32	cps
Thallium	203-1	812181	816405	805067	811218	0.71	cps
Thallium	205-1	1940980	1990154	1981430	1970855	1.33	cps
Tin	118-1	752777	742277	739717	744924	0.93	cps
Titanium	47-1	717437	715924	717120	716827	0.11	cps
Uranium	238-1	2571753	2544549	2586405	2567569	0.83	cps
Vanadium	51-2	93828	93019	92919	93255	0.53	cps
Yttrium	89-1	7154584	7276731	7239778	7223698	0.87	cps
Yttrium	89-2	273518	282850	269945	275438	2.42	cps
Zinc	66-2	45605	45207	44916	45243	0.76	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:50:09	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1625851	1649719	1661983	1645851	1.12	cps
Zirconium	91-1	361365	358772	355980	358706	0.75	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:53:44	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40876	40849	41902	41209	1.46	cps
Antimony	121-1	2208677	2183333	2197722	2196577	0.58	cps
Arsenic	75-2	30498	30398	30417	30438	0.18	cps
Barium	135-1	2326239	2331452	2306328	2321340	0.57	cps
Barium	137-1	4079625	4043887	4089450	4070987	0.59	cps
Beryllium	9-1	440845	438787	437911	439181	0.34	cps
Bismuth	209-1	5143864	4794549	5161636	5033350	4.11	cps
Bismuth	209-2	1805624	1809865	1847631	1821040	1.27	cps
Boron	10-1	55233	54730	56328	55430	1.47	cps
Boron	11-1	269221	267248	267218	267896	0.43	cps
Cadmium	111-1	493850	495961	497654	495822	0.38	cps
Cadmium	106-1	56286	54419	56411	55705	2.00	cps
Cadmium	108-1	35777	36546	36249	36190	1.07	cps
Calcium	43-1	574877	568975	569625	571159	0.57	cps
Calcium	44-1	9344526	9300450	9308990	9317989	0.25	cps
Chromium	52-2	242663	242039	241849	242183	0.18	cps
Cobalt	59-2	516955	513800	513429	514728	0.38	cps
Copper	63-2	879775	876687	877704	878055	0.18	cps
Dysprosium	156-1	58	33	42	44	28.65	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	42	33	17	31	41.66	cps
Erbium	164-2	3	0	10	4	114.60	cps
Gadolinium	160-1	67	75	75	72	6.66	cps
Gadolinium	160-2	0	7	3	3	100.05	cps
Holmium	165-1	7859778	7291131	7843835	7664915	4.22	cps
Holmium	165-2	2207551	2238128	2207050	2217576	0.80	cps
Indium	115-1	6504688	6099955	6577648	6394097	4.02	cps
Indium	115-2	358758	355987	358863	357869	0.46	cps
Iron	56-2	8432836	8371169	8339204	8381070	0.57	cps
Iron	57-2	209271	208496	208170	208646	0.27	cps
Krypton	83-1	387	400	420	402	4.17	cps
Lead	206-1	1318621	1341573	1319142	1326445	0.99	cps
Lead	207-1	1199886	1213464	1196223	1203191	0.75	cps
Lead	208-1	5444047	5514079	5459239	5472455	0.67	cps
Lithium	6-1	1661927	1536689	1646179	1614932	4.22	cps
Magnesium	24-2	945285	934986	936310	938860	0.60	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:53:44	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	146714	145602	147128	146481	0.54	cps
Molybdenum	94-1	3865376	3879299	3854118	3866264	0.33	cps
Molybdenum	95-1	4718698	4703073	4731662	4717811	0.30	cps
Molybdenum	96-1	5309722	5283564	5293448	5295578	0.25	cps
Molybdenum	97-1	2993047	3025159	2966812	2995006	0.98	cps
Molybdenum	98-1	7539615	7577537	7520408	7545853	0.39	cps
Neodymium	150-1	73	120	120	104	25.79	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	151099	149829	149499	150142	0.56	cps
Phosphorus	31-2	2759	2767	3059	2862	5.97	cps
Potassium	39-2	250336	252308	247913	250186	0.88	cps
Rhodium	103-1	6172550	5806719	6213436	6064235	3.69	cps
Rhodium	103-2	1987286	1978922	1960144	1975450	0.70	cps
Scandium	45-1	4488389	4179379	4570083	4412617	4.67	cps
Scandium	45-2	39218	38977	39482	39226	0.64	cps
Selenium	77-2	227	173	283	228	24.15	cps
Selenium	78-2	800	759	743	767	3.85	cps
Selenium	82-1	33256	33220	32545	33007	1.21	cps
Silicon	28-1	1514550	1485566	1487984	1496033	1.07	cps
Silver	109-1	2328743	2328843	2329861	2329149	0.03	cps
Silver	107-1	2463169	2484186	2466126	2471160	0.46	cps
Sodium	23-2	2096752	2096343	2070487	2087861	0.72	cps
Strontium	86-1	609563	609355	609333	609417	0.02	cps
Strontium	88-1	5271029	5271583	5259805	5267472	0.13	cps
Sulfur	34-1	583811	579738	580437	581329	0.37	cps
Terbium	159-1	8143600	7625212	8319871	8029561	4.50	cps
Terbium	159-2	2160041	2154909	2151472	2155474	0.20	cps
Thallium	203-1	1636364	1676109	1663499	1658657	1.22	cps
Thallium	205-1	3955508	4031054	3965000	3983854	1.03	cps
Tin	118-1	1502214	1500113	1495859	1499395	0.22	cps
Titanium	47-1	1428203	1429833	1411098	1423045	0.73	cps
Uranium	238-1	5234588	5197335	5246660	5226194	0.49	cps
Vanadium	51-2	179379	179524	180574	179825	0.36	cps
Yttrium	89-1	7104136	6649135	7187403	6980225	4.15	cps
Yttrium	89-2	269431	267382	269707	268840	0.47	cps
Zinc	66-2	87141	86534	87936	87204	0.81	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:53:44	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3282086	3294385	3286364	3287612	0.19	cps
Zirconium	91-1	726598	728135	722638	725790	0.39	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:57:15	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	80153	79673	80651	80159	0.61	cps
Antimony	121-1	4380118	4375332	4406388	4387280	0.38	cps
Arsenic	75-2	60201	59265	59797	59754	0.79	cps
Barium	135-1	4658872	4594948	4630833	4628218	0.69	cps
Barium	137-1	8121449	8022542	8069947	8071312	0.61	cps
Beryllium	9-1	857617	850251	859567	855812	0.57	cps
Bismuth	209-1	5149359	5412667	5403270	5321766	2.81	cps
Bismuth	209-2	1779148	1860178	1818005	1819111	2.23	cps
Boron	10-1	107610	109936	112185	109911	2.08	cps
Boron	11-1	521274	527694	530260	526409	0.88	cps
Cadmium	111-1	997369	989757	988499	991875	0.48	cps
Cadmium	106-1	108947	107889	105838	107558	1.47	cps
Cadmium	108-1	71539	72146	72008	71898	0.44	cps
Calcium	43-1	1154843	1132218	1148121	1145060	1.01	cps
Calcium	44-1	18582360	18312616	18533053	18476010	0.78	cps
Chromium	52-2	473821	470796	472529	472382	0.32	cps
Cobalt	59-2	1001720	1002368	1013666	1005918	0.67	cps
Copper	63-2	1735931	1737183	1724601	1732572	0.40	cps
Dysprosium	156-1	42	100	83	75	40.06	cps
Dysprosium	156-2	7	10	0	6	91.64	cps
Erbium	164-1	17	50	58	42	52.91	cps
Erbium	164-2	3	17	3	8	99.04	cps
Gadolinium	160-1	92	58	75	75	22.22	cps
Gadolinium	160-2	20	20	13	18	21.66	cps
Holmium	165-1	7834006	8219527	8164119	8072551	2.58	cps
Holmium	165-2	2208086	2266429	2221401	2231972	1.37	cps
Indium	115-1	6526254	6766894	6671408	6654852	1.82	cps
Indium	115-2	349336	356157	352095	352529	0.97	cps
Iron	56-2	16401748	16283251	16409849	16364949	0.43	cps
Iron	57-2	407818	410476	412039	410111	0.52	cps
Krypton	83-1	370	320	470	387	19.75	cps
Lead	206-1	2724713	2715017	2681400	2707043	0.84	cps
Lead	207-1	2467108	2503417	2496290	2488938	0.77	cps
Lead	208-1	11103001	11153389	11114132	11123508	0.24	cps
Lithium	6-1	1634693	1695479	1682831	1671001	1.92	cps
Magnesium	24-2	1860778	1857373	1857665	1858605	0.10	cps

LB Number : LB98344 Operator : Jaswal
 Lab Sample ID : S06 Instrumnet Name : P8
 Client Sample ID : S06 Dilution Factor : 1
 Date & Time Acquired :: 2018-10-03 13:57:15 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	286865	285047	287474	286462	0.44	cps
Molybdenum	94-1	7684486	7664297	7634685	7661156	0.33	cps
Molybdenum	95-1	9364303	9351843	9333674	9349940	0.16	cps
Molybdenum	96-1	10595416	10503899	10428341	10509219	0.80	cps
Molybdenum	97-1	5919499	5871433	5888989	5893307	0.41	cps
Molybdenum	98-1	15163676	14979081	15083688	15075482	0.61	cps
Neodymium	150-1	147	213	180	180	18.52	cps
Neodymium	150-2	10	10	0	7	86.60	cps
Nickel	60-2	292133	291682	293311	292375	0.29	cps
Phosphorus	31-2	5201	5326	5868	5465	6.49	cps
Potassium	39-2	481222	479380	485712	482105	0.68	cps
Rhodium	103-1	6184052	6330482	6361016	6291850	1.50	cps
Rhodium	103-2	1942613	1967285	1939686	1949861	0.78	cps
Scandium	45-1	4459745	4635029	4689267	4594680	2.61	cps
Scandium	45-2	38794	39078	38747	38873	0.46	cps
Selenium	77-2	433	407	497	446	10.38	cps
Selenium	78-2	1639	1543	1435	1539	6.62	cps
Selenium	82-1	65115	64855	64809	64926	0.25	cps
Silicon	28-1	2565505	2575560	2552338	2564468	0.45	cps
Silver	109-1	4598688	4592806	4574629	4588708	0.27	cps
Silver	107-1	4826345	4867344	4871479	4855056	0.51	cps
Sodium	23-2	3997388	4005996	3962849	3988744	0.57	cps
Strontium	86-1	1221086	1225425	1223246	1223252	0.18	cps
Strontium	88-1	10407431	10502999	10501705	10470712	0.52	cps
Sulfur	34-1	740305	734576	739690	738190	0.43	cps
Terbium	159-1	8357420	8618136	8601060	8525539	1.71	cps
Terbium	159-2	2162035	2193059	2171505	2175533	0.73	cps
Thallium	203-1	3375010	3380197	3397008	3384071	0.34	cps
Thallium	205-1	7948251	7968119	7929526	7948632	0.24	cps
Tin	118-1	3048957	3013890	3044027	3035625	0.63	cps
Titanium	47-1	2838405	2803457	2803682	2815181	0.71	cps
Uranium	238-1	10588501	10575129	10578212	10580614	0.07	cps
Vanadium	51-2	352945	353222	351532	352566	0.26	cps
Yttrium	89-1	7121339	7397802	7343830	7287657	2.01	cps
Yttrium	89-2	264006	266730	265719	265485	0.52	cps
Zinc	66-2	171039	172086	171475	171533	0.31	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 13:57:15	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6450663	6545988	6451802	6482818	0.84	cps
Zirconium	91-1	1482335	1501254	1460676	1481421	1.37	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:00:42	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	156367	156016	155508	155963	0.28	cps
Antimony	121-1	8620101	8664958	8610350	8631803	0.34	cps
Arsenic	75-2	115603	116234	116385	116074	0.36	cps
Barium	135-1	9211124	9102488	9030845	9114819	1.00	cps
Barium	137-1	16278488	16006755	16004312	16096518	0.98	cps
Beryllium	9-1	1674556	1685263	1669923	1676580	0.47	cps
Bismuth	209-1	5364352	5183505	5326455	5291437	1.80	cps
Bismuth	209-2	1743667	1680707	1776344	1733573	2.80	cps
Boron	10-1	212913	215527	214158	214199	0.61	cps
Boron	11-1	1029978	1038576	1047601	1038718	0.85	cps
Cadmium	111-1	1985341	1975619	1968946	1976636	0.42	cps
Cadmium	106-1	208175	210390	209132	209232	0.53	cps
Cadmium	108-1	140877	139992	141900	140923	0.68	cps
Calcium	43-1	2283257	2289349	2270327	2280978	0.43	cps
Calcium	44-1	36694058	36791416	36314913	36600129	0.69	cps
Chromium	52-2	924498	928112	924402	925671	0.23	cps
Cobalt	59-2	1969528	1979924	1996730	1982061	0.69	cps
Copper	63-2	3334607	3305700	3308578	3316295	0.48	cps
Dysprosium	156-1	117	125	125	122	3.94	cps
Dysprosium	156-2	20	17	0	12	87.67	cps
Erbium	164-1	50	50	17	39	49.48	cps
Erbium	164-2	3	13	17	11	62.48	cps
Gadolinium	160-1	100	67	75	81	21.54	cps
Gadolinium	160-2	23	13	23	20	28.87	cps
Holmium	165-1	8198557	8021955	8217202	8145905	1.32	cps
Holmium	165-2	2186710	2098967	2203020	2162899	2.59	cps
Indium	115-1	6551015	6366199	6605172	6507462	1.93	cps
Indium	115-2	336143	320615	336234	330997	2.72	cps
Iron	56-2	31890217	31897230	31772740	31853395	0.22	cps
Iron	57-2	799796	801536	803768	801700	0.25	cps
Krypton	83-1	397	397	400	398	0.48	cps
Lead	206-1	5349196	5383657	5326064	5352972	0.54	cps
Lead	207-1	4932235	4949126	4950765	4944042	0.21	cps
Lead	208-1	21886489	22047436	21982817	21972247	0.37	cps
Lithium	6-1	1594272	1574395	1617667	1595444	1.36	cps
Magnesium	24-2	3580025	3566665	3540594	3562428	0.56	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:00:42	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	559589	556379	557811	557926	0.29	cps
Molybdenum	94-1	15196766	15320002	15214598	15243789	0.44	cps
Molybdenum	95-1	18582468	18922820	18765836	18757041	0.91	cps
Molybdenum	96-1	20953040	21073531	20978617	21001729	0.30	cps
Molybdenum	97-1	11731278	11774605	11689866	11731916	0.36	cps
Molybdenum	98-1	30289401	30214253	29814944	30106199	0.85	cps
Neodymium	150-1	407	373	460	413	10.58	cps
Neodymium	150-2	3	10	17	10	66.70	cps
Nickel	60-2	562161	564259	567510	564644	0.48	cps
Phosphorus	31-2	10396	10396	10554	10449	0.88	cps
Potassium	39-2	940215	933447	937150	936937	0.36	cps
Rhodium	103-1	6157078	6064297	6236593	6152656	1.40	cps
Rhodium	103-2	1903249	1817642	1903572	1874821	2.64	cps
Scandium	45-1	4585829	4373846	4574927	4511534	2.65	cps
Scandium	45-2	38095	36608	37139	37281	2.02	cps
Selenium	77-2	853	807	877	846	4.21	cps
Selenium	78-2	2861	2887	2850	2866	0.66	cps
Selenium	82-1	128883	127327	126600	127603	0.91	cps
Silicon	28-1	4533406	4514449	4500611	4516156	0.36	cps
Silver	109-1	8948999	8983713	8877246	8936653	0.61	cps
Silver	107-1	9573388	9416531	9339204	9443041	1.26	cps
Sodium	23-2	7729844	7791412	7743002	7754752	0.42	cps
Strontium	86-1	2472738	2471785	2431893	2458805	0.95	cps
Strontium	88-1	20819981	20775685	20703929	20766532	0.28	cps
Sulfur	34-1	913044	918313	907938	913098	0.57	cps
Terbium	159-1	8535191	8402720	8620351	8519421	1.29	cps
Terbium	159-2	2127113	2028375	2158555	2104681	3.23	cps
Thallium	203-1	6628092	6716669	6681998	6675586	0.67	cps
Thallium	205-1	15818115	15973078	15835755	15875650	0.53	cps
Tin	118-1	5940586	5962251	5961441	5954759	0.21	cps
Titanium	47-1	5475260	5561704	5415627	5484197	1.34	cps
Uranium	238-1	21016926	21385725	21182622	21195091	0.87	cps
Vanadium	51-2	691770	691028	690200	690999	0.11	cps
Yttrium	89-1	7264571	7128871	7247571	7213671	1.02	cps
Yttrium	89-2	261101	250219	262022	257781	2.55	cps
Zinc	66-2	327917	328282	327907	328035	0.07	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:00:42	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	12905240	12955631	12849060	12903310	0.41	cps
Zirconium	91-1	2910029	2894361	2932654	2912348	0.66	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:04:02	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	807309	802094	809234	806212	0.46	cps
Antimony	121-1	22979	23338	22303	22873	2.30	cps
Arsenic	75-2	217	181	185	194	9.94	cps
Barium	135-1	2900	2767	2934	2867	3.08	cps
Barium	137-1	4559	4543	4326	4476	2.91	cps
Beryllium	9-1	1056	1089	1033	1059	2.64	cps
Bismuth	209-1	4788961	4789432	4781607	4786667	0.09	cps
Bismuth	209-2	1595948	1609198	1620586	1608577	0.77	cps
Boron	10-1	5218	4718	4493	4809	7.72	cps
Boron	11-1	25799	24071	21918	23929	8.13	cps
Cadmium	111-1	1446	1561	1380	1462	6.28	cps
Cadmium	106-1	1700	1775	1617	1697	4.67	cps
Cadmium	108-1	46	33	63	47	30.99	cps
Calcium	43-1	11107429	11032504	10982576	11040836	0.57	cps
Calcium	44-1	179998992	180701150	179010037	179903393	0.47	cps
Chromium	52-2	42555	42929	42478	42654	0.57	cps
Cobalt	59-2	25250	24328	24148	24575	2.41	cps
Copper	63-2	7365	7576	7262	7401	2.16	cps
Dysprosium	156-1	117	142	150	136	12.75	cps
Dysprosium	156-2	7	23	3	11	96.43	cps
Erbium	164-1	42	33	58	44	28.65	cps
Erbium	164-2	3	13	13	10	57.75	cps
Gadolinium	160-1	67	150	100	106	39.74	cps
Gadolinium	160-2	23	23	7	18	54.11	cps
Holmium	165-1	7786435	7769868	7773560	7776621	0.11	cps
Holmium	165-2	2166167	2135019	2161731	2154306	0.78	cps
Indium	115-1	6317584	6217226	6206924	6247245	0.98	cps
Indium	115-2	336532	338637	337726	337632	0.31	cps
Iron	56-2	157197715	157536854	156327103	157020557	0.40	cps
Iron	57-2	3974563	3938387	3955380	3956110	0.46	cps
Krypton	83-1	440	347	350	379	13.98	cps
Lead	206-1	5707	5368	5229	5435	4.52	cps
Lead	207-1	4879	4501	4445	4608	5.12	cps
Lead	208-1	21780	21135	20919	21278	2.11	cps
Lithium	6-1	1490644	1527714	1555802	1524720	2.14	cps
Magnesium	24-2	17494804	17518846	17688218	17567289	0.60	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:04:02	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3274	3230	3477	3327	3.96	cps
Molybdenum	94-1	18588	18255	16970	17938	4.76	cps
Molybdenum	95-1	28673	28589	28322	28528	0.64	cps
Molybdenum	96-1	33350	31028	32765	32381	3.73	cps
Molybdenum	97-1	19089	17979	17862	18310	3.70	cps
Molybdenum	98-1	46606	45051	44357	45338	2.54	cps
Neodymium	150-1	100	60	120	93	32.74	cps
Neodymium	150-2	17	13	10	13	25.01	cps
Nickel	60-2	20635	20185	20689	20503	1.35	cps
Phosphorus	31-2	0	33	8	14	124.91	cps
Potassium	39-2	4772535	4759879	4771569	4767994	0.15	cps
Rhodium	103-1	5724639	5719601	5678674	5707638	0.44	cps
Rhodium	103-2	1769835	1816902	1800863	1795866	1.33	cps
Scandium	45-1	4391724	4407773	4351142	4383546	0.67	cps
Scandium	45-2	37473	37534	38058	37688	0.85	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	4	2	4	50.09	cps
Selenium	82-1	345	340	383	356	6.64	cps
Silicon	28-1	457829	467673	474715	466739	1.82	cps
Silver	109-1	1242	992	983	1072	13.69	cps
Silver	107-1	1150	1000	1067	1072	7.01	cps
Sodium	23-2	39084678	38913436	39233484	39077199	0.41	cps
Strontium	86-1	10955	10463	10738	10719	2.30	cps
Strontium	88-1	92933	91926	90819	91893	1.15	cps
Sulfur	34-1	376705	379248	377522	377825	0.34	cps
Terbium	159-1	8121062	8090678	8074165	8095302	0.29	cps
Terbium	159-2	2101488	2099483	2085527	2095499	0.41	cps
Thallium	203-1	3376	3476	3192	3348	4.29	cps
Thallium	205-1	8036	7703	6761	7500	8.82	cps
Tin	118-1	8261	7778	7895	7978	3.16	cps
Titanium	47-1	1158	1192	1275	1208	4.97	cps
Uranium	238-1	3726	3517	3317	3520	5.80	cps
Vanadium	51-2	407	367	413	396	6.38	cps
Yttrium	89-1	6935637	6951436	6897803	6928292	0.40	cps
Yttrium	89-2	259784	261483	261430	260899	0.37	cps
Zinc	66-2	2107	2137	2180	2141	1.72	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:04:02	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3409	3509	3509	3476	1.66	cps
Zirconium	91-1	950	792	675	806	17.13	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:19:25	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4599	4639	4614	4618	0.44	cps
Antimony	121-1	1642780	1678372	1679121	1666758	1.25	cps
Arsenic	75-2	24377	24407	24409	24398	0.07	cps
Barium	135-1	173894	177365	176526	175928	1.03	cps
Barium	137-1	305995	307730	308378	307368	0.40	cps
Beryllium	9-1	173145	171856	174230	173077	0.69	cps
Bismuth	209-1	5284966	5018388	5318595	5207316	3.16	cps
Bismuth	209-2	1881099	1833387	1888825	1867771	1.61	cps
Boron	10-1	1058	1000	1100	1053	4.77	cps
Boron	11-1	5360	4976	5376	5237	4.32	cps
Cadmium	111-1	191412	193887	193664	192988	0.71	cps
Cadmium	106-1	19056	18856	18614	18842	1.18	cps
Cadmium	108-1	12143	11751	12014	11969	1.67	cps
Calcium	43-1	45048	46177	45115	45447	1.39	cps
Calcium	44-1	751232	752295	749645	751057	0.18	cps
Chromium	52-2	96960	96684	96429	96691	0.27	cps
Cobalt	59-2	211888	211719	211140	211582	0.19	cps
Copper	63-2	180421	181710	179662	180598	0.57	cps
Dysprosium	156-1	17	25	17	19	24.73	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	58	100	108	89	30.13	cps
Erbium	164-2	20	17	30	22	31.22	cps
Gadolinium	160-1	67	92	100	86	20.14	cps
Gadolinium	160-2	7	7	7	7	0.00	cps
Holmium	165-1	7936491	7763581	7962671	7887581	1.37	cps
Holmium	165-2	2251747	2227958	2299236	2259647	1.61	cps
Indium	115-1	6837190	6684741	6800130	6774020	1.17	cps
Indium	115-2	374839	372223	380441	375835	1.12	cps
Iron	56-2	684374	682008	688006	684796	0.44	cps
Iron	57-2	17267	17723	17773	17587	1.59	cps
Krypton	83-1	370	417	323	370	12.61	cps
Lead	206-1	1023922	1023078	1034732	1027244	0.63	cps
Lead	207-1	897628	908093	902187	902636	0.58	cps
Lead	208-1	4204269	4210709	4213532	4209503	0.11	cps
Lithium	6-1	1706213	1670062	1718046	1698107	1.47	cps
Magnesium	24-2	46410	46201	47179	46597	1.11	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:19:25	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	29318	29565	28556	29146	1.80	cps
Molybdenum	94-1	1083	1033	1100	1072	3.24	cps
Molybdenum	95-1	700	617	625	647	7.09	cps
Molybdenum	96-1	833	967	892	897	7.45	cps
Molybdenum	97-1	400	400	550	450	19.25	cps
Molybdenum	98-1	858	850	883	864	2.01	cps
Neodymium	150-1	13	13	27	18	43.33	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	62958	63410	61974	62781	1.17	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	43869	44881	45065	44605	1.44	cps
Rhodium	103-1	6531323	6327107	6520170	6459533	1.78	cps
Rhodium	103-2	2086858	2046540	2094742	2076047	1.25	cps
Scandium	45-1	4767196	4532905	4729639	4676580	2.69	cps
Scandium	45-2	41455	40605	42534	41531	2.33	cps
Selenium	77-2	213	157	167	179	16.91	cps
Selenium	78-2	722	659	607	663	8.67	cps
Selenium	82-1	25836	26094	25841	25924	0.57	cps
Silicon	28-1	296701	294526	292520	294582	0.71	cps
Silver	109-1	880786	883088	891962	885279	0.67	cps
Silver	107-1	930195	924111	932592	928966	0.47	cps
Sodium	23-2	182100	183022	180868	181997	0.59	cps
Strontium	86-1	6202	6085	5918	6068	2.35	cps
Strontium	88-1	46999	49156	48145	48100	2.24	cps
Sulfur	34-1	411939	415916	414905	414254	0.50	cps
Terbium	159-1	8391190	8075879	8403380	8290150	2.24	cps
Terbium	159-2	2209525	2147056	2236656	2197746	2.09	cps
Thallium	203-1	1278773	1286049	1292450	1285758	0.53	cps
Thallium	205-1	3122943	3139779	3150618	3137780	0.44	cps
Tin	118-1	1292	1258	1250	1267	1.74	cps
Titanium	47-1	217	375	325	306	26.49	cps
Uranium	238-1	10097917	9912386	9887806	9966036	1.15	cps
Vanadium	51-2	71354	72416	72902	72224	1.10	cps
Yttrium	89-1	7421686	7158466	7283236	7287796	1.81	cps
Yttrium	89-2	280527	276886	282865	280093	1.08	cps
Zinc	66-2	36090	35529	35803	35808	0.78	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:19:25	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1717	1792	1650	1720	4.12	cps
Zirconium	91-1	383	558	475	472	18.54	cps

LB Number : LB98344 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2018-10-03 14:32:14 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25	13	28	22	37.11	cps
Antimony	121-1	667	783	883	778	13.94	cps
Arsenic	75-2	7	7	4	6	34.70	cps
Barium	135-1	25	17	17	19	24.73	cps
Barium	137-1	33	83	42	53	50.76	cps
Beryllium	9-1	239	289	322	283	14.80	cps
Bismuth	209-1	5000478	5043768	4641354	4895200	4.51	cps
Bismuth	209-2	1677478	1704696	1646640	1676271	1.73	cps
Boron	10-1	1200	908	1175	1095	14.77	cps
Boron	11-1	4926	5109	5218	5084	2.90	cps
Cadmium	111-1	1227	1295	1191	1238	4.26	cps
Cadmium	106-1	1742	1850	1700	1764	4.39	cps
Cadmium	108-1	13	13	17	14	17.33	cps
Calcium	43-1	450	733	500	561	26.95	cps
Calcium	44-1	18096	18187	18555	18279	1.33	cps
Chromium	52-2	440	410	433	428	3.68	cps
Cobalt	59-2	103	80	47	77	37.15	cps
Copper	63-2	437	450	387	424	7.87	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	50	58	8	39	68.89	cps
Erbium	164-2	7	0	10	6	91.64	cps
Gadolinium	160-1	125	108	33	89	54.94	cps
Gadolinium	160-2	7	7	3	6	34.70	cps
Holmium	165-1	7604170	7654993	6972235	7410466	5.13	cps
Holmium	165-2	2071508	2043535	1992066	2035703	1.98	cps
Indium	115-1	6566884	6635776	5976822	6393161	5.67	cps
Indium	115-2	346325	346915	341363	344867	0.88	cps
Iron	56-2	1695	1678	1800	1724	3.84	cps
Iron	57-2	50	33	39	41	20.83	cps
Krypton	83-1	427	437	410	424	3.17	cps
Lead	206-1	372	467	433	424	11.30	cps
Lead	207-1	339	483	406	409	17.67	cps
Lead	208-1	1461	1845	1756	1687	11.89	cps
Lithium	6-1	1639309	1644741	1495536	1593195	5.31	cps
Magnesium	24-2	408	325	325	353	13.64	cps

LB Number : LB98344 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2018-10-03 14:32:14 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	30	43	10	28	60.40	cps
Molybdenum	94-1	508	425	392	442	13.61	cps
Molybdenum	95-1	267	250	250	256	3.77	cps
Molybdenum	96-1	433	275	208	306	37.82	cps
Molybdenum	97-1	133	167	242	181	30.73	cps
Molybdenum	98-1	317	358	325	333	6.62	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	333	387	313	344	11.01	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	3459	3526	3242	3409	4.35	cps
Rhodium	103-1	6338444	6405340	5770111	6171298	5.66	cps
Rhodium	103-2	1883303	1894609	1867983	1881965	0.71	cps
Scandium	45-1	4635947	4724070	4259978	4539998	5.43	cps
Scandium	45-2	38259	37744	38008	38004	0.68	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	2	2	2	2	0.00	cps
Selenium	82-1	223	182	225	210	11.52	cps
Silicon	28-1	291442	289114	286113	288890	0.92	cps
Silver	109-1	33	58	42	44	28.65	cps
Silver	107-1	133	117	42	97	50.22	cps
Sodium	23-2	9203	9745	9987	9645	4.16	cps
Strontium	86-1	617	575	625	606	4.42	cps
Strontium	88-1	183	175	183	181	2.66	cps
Sulfur	34-1	426951	430814	423269	427011	0.88	cps
Terbium	159-1	7951882	8106370	7287278	7781843	5.59	cps
Terbium	159-2	1987685	2010811	1977534	1992010	0.86	cps
Thallium	203-1	425	467	408	433	6.93	cps
Thallium	205-1	867	992	858	906	8.25	cps
Tin	118-1	942	1008	967	972	3.46	cps
Titanium	47-1	167	167	233	189	20.38	cps
Uranium	238-1	58	25	58	47	40.76	cps
Vanadium	51-2	10	3	13	9	57.30	cps
Yttrium	89-1	7221181	7154468	6543911	6973186	5.35	cps
Yttrium	89-2	257495	258640	255702	257279	0.58	cps
Zinc	66-2	217	223	253	231	8.45	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:32:14	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1000	900	650	850	21.21	cps
Zirconium	91-1	142	175	208	175	19.05	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:35:37	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	710399	703693	705155	706415	0.50	cps
Antimony	121-1	9996	9904	9504	9801	2.67	cps
Arsenic	75-2	28	44	48	40	27.04	cps
Barium	135-1	2892	2817	2625	2778	4.95	cps
Barium	137-1	4251	5043	4451	4582	8.99	cps
Beryllium	9-1	717	739	811	756	6.54	cps
Bismuth	209-1	4970027	5049906	4918476	4979470	1.33	cps
Bismuth	209-2	1648651	1642945	1646426	1646008	0.17	cps
Boron	10-1	1167	1283	1175	1208	5.39	cps
Boron	11-1	5635	5793	5726	5718	1.39	cps
Cadmium	111-1	2041	1901	1726	1889	8.37	cps
Cadmium	106-1	1809	1825	1442	1692	12.81	cps
Cadmium	108-1	1292	1521	1346	1386	8.64	cps
Calcium	43-1	2147054	2216371	2125332	2162919	2.20	cps
Calcium	44-1	35012940	35841515	34400287	35084914	2.06	cps
Chromium	52-2	21140	20328	20912	20793	2.01	cps
Cobalt	59-2	2310	2457	2410	2392	3.13	cps
Copper	63-2	12749	12496	12462	12569	1.25	cps
Dysprosium	156-1	33	50	50	44	21.66	cps
Dysprosium	156-2	7	13	7	9	43.25	cps
Erbium	164-1	50	58	33	47	26.97	cps
Erbium	164-2	20	10	7	12	56.76	cps
Gadolinium	160-1	67	108	133	103	32.77	cps
Gadolinium	160-2	20	3	13	12	68.66	cps
Holmium	165-1	7701961	7970648	7719304	7797304	1.93	cps
Holmium	165-2	2103490	2093222	2128273	2108328	0.85	cps
Indium	115-1	6427354	6570860	6381803	6460006	1.53	cps
Indium	115-2	337338	340470	338438	338749	0.47	cps
Iron	56-2	61349903	60719858	61276367	61115376	0.56	cps
Iron	57-2	1567272	1558712	1576022	1567335	0.55	cps
Krypton	83-1	400	357	373	377	5.80	cps
Lead	206-1	26178	25721	25387	25762	1.54	cps
Lead	207-1	20311	19805	20066	20061	1.26	cps
Lead	208-1	97296	96607	93612	95838	2.04	cps
Lithium	6-1	1566479	1620126	1568315	1584973	1.92	cps
Magnesium	24-2	3485550	3443101	3446783	3458478	0.68	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:35:37	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2084	2237	2214	2178	3.79	cps
Molybdenum	94-1	4014796	4056998	3941795	4004530	1.46	cps
Molybdenum	95-1	6963911	7092695	6862783	6973130	1.65	cps
Molybdenum	96-1	7513976	7673316	7392630	7526641	1.87	cps
Molybdenum	97-1	4408895	4475145	4308016	4397352	1.91	cps
Molybdenum	98-1	11137459	11414633	10926202	11159431	2.20	cps
Neodymium	150-1	47	13	13	24	78.75	cps
Neodymium	150-2	10	7	0	6	91.64	cps
Nickel	60-2	4384	4591	4441	4472	2.39	cps
Phosphorus	31-2	52925	50717	51319	51654	2.21	cps
Potassium	39-2	1881464	1843421	1850934	1858606	1.08	cps
Rhodium	103-1	6010042	6058541	5922021	5996868	1.15	cps
Rhodium	103-2	1851509	1876241	1880899	1869550	0.84	cps
Scandium	45-1	4487420	4579283	4493233	4519978	1.14	cps
Scandium	45-2	38219	37734	36919	37624	1.75	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	0	2	100.00	cps
Selenium	82-1	250	257	248	252	1.93	cps
Silicon	28-1	438295	441013	603468	494259	19.14	cps
Silver	109-1	500	558	675	578	15.42	cps
Silver	107-1	450	642	725	606	23.29	cps
Sodium	23-2	7562572	7555592	7593876	7570680	0.27	cps
Strontium	86-1	78937	81586	77763	79429	2.47	cps
Strontium	88-1	681683	692977	671158	681939	1.60	cps
Sulfur	34-1	2952493	3028870	2898258	2959874	2.22	cps
Terbium	159-1	8232071	8320265	8047826	8200054	1.70	cps
Terbium	159-2	2061673	2041264	2064944	2055960	0.62	cps
Thallium	203-1	1058	1158	1217	1145	7.00	cps
Thallium	205-1	2125	2300	2434	2286	6.76	cps
Tin	118-1	1800	1917	2059	1925	6.72	cps
Titanium	47-1	2146269	2217307	2140475	2168017	1.97	cps
Uranium	238-1	517	358	433	436	18.16	cps
Vanadium	51-2	103	120	113	112	7.47	cps
Yttrium	89-1	7030182	7181894	7012873	7074983	1.31	cps
Yttrium	89-2	258022	257640	260247	258636	0.54	cps
Zinc	66-2	2037	2090	2044	2057	1.41	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:35:37	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4459	3901	3484	3948	12.40	cps
Zirconium	91-1	1092	942	800	945	15.44	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:38:54	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	690351	676782	680390	682508	1.03	cps
Antimony	121-1	170374	175302	164065	169914	3.31	cps
Arsenic	75-2	2311	2078	2137	2176	5.58	cps
Barium	135-1	38465	37939	35782	37396	3.80	cps
Barium	137-1	64550	66199	63906	64885	1.82	cps
Beryllium	9-1	33490	33896	32248	33211	2.59	cps
Bismuth	209-1	4954342	5133445	4859387	4982391	2.79	cps
Bismuth	209-2	1626082	1584565	1594966	1601871	1.35	cps
Boron	10-1	1108	1058	1033	1067	3.58	cps
Boron	11-1	4884	5226	4893	5001	3.90	cps
Cadmium	111-1	37793	39750	36607	38050	4.17	cps
Cadmium	106-1	4693	5235	4968	4965	5.46	cps
Cadmium	108-1	3746	3534	3359	3546	5.47	cps
Calcium	43-1	2159548	2215493	2077184	2150742	3.23	cps
Calcium	44-1	34786824	35432803	33707626	34642417	2.52	cps
Chromium	52-2	39917	39670	39967	39851	0.40	cps
Cobalt	59-2	39352	38583	38924	38953	0.99	cps
Copper	63-2	44147	43608	44066	43941	0.66	cps
Dysprosium	156-1	75	75	67	72	6.66	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	58	83	42	61	34.32	cps
Erbium	164-2	3	20	0	8	137.80	cps
Gadolinium	160-1	33	108	58	67	57.28	cps
Gadolinium	160-2	33	27	20	27	24.99	cps
Holmium	165-1	7807793	8086707	7672712	7855738	2.69	cps
Holmium	165-2	2114531	2041580	2087614	2081242	1.77	cps
Indium	115-1	6476237	6698564	6303990	6492930	3.05	cps
Indium	115-2	335996	325253	329161	330137	1.65	cps
Iron	56-2	59268721	58923303	58874505	59022176	0.36	cps
Iron	57-2	1505306	1507921	1506978	1506735	0.09	cps
Krypton	83-1	363	393	430	396	8.44	cps
Lead	206-1	126468	125918	120516	124301	2.65	cps
Lead	207-1	105144	106426	101335	104302	2.54	cps
Lead	208-1	488022	493063	471220	484101	2.36	cps
Lithium	6-1	1546146	1611208	1545427	1567594	2.41	cps
Magnesium	24-2	3379557	3308491	3341318	3343122	1.06	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:38:54	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	7435	7152	7295	7294	1.94	cps
Molybdenum	94-1	4038344	4031654	3849629	3973209	2.69	cps
Molybdenum	95-1	7042510	7095735	6756509	6964918	2.62	cps
Molybdenum	96-1	7532232	7686675	7284467	7501124	2.70	cps
Molybdenum	97-1	4369145	4460421	4255143	4361570	2.36	cps
Molybdenum	98-1	11036023	11369326	10732739	11046029	2.88	cps
Neodymium	150-1	27	20	53	33	52.92	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	16113	15472	16193	15926	2.48	cps
Phosphorus	31-2	49429	47756	49947	49044	2.33	cps
Potassium	39-2	1812634	1784048	1816228	1804303	0.98	cps
Rhodium	103-1	5891056	6276720	5889558	6019111	3.71	cps
Rhodium	103-2	1835302	1789809	1783234	1802781	1.57	cps
Scandium	45-1	4462904	4735965	4407242	4535370	3.88	cps
Scandium	45-2	36825	35635	35595	36019	1.94	cps
Selenium	77-2	10	10	7	9	21.63	cps
Selenium	78-2	67	52	74	64	17.63	cps
Selenium	82-1	2732	2726	2553	2670	3.80	cps
Silicon	28-1	445813	447261	439686	444253	0.91	cps
Silver	109-1	162968	165253	156432	161551	2.83	cps
Silver	107-1	167623	172145	167041	168936	1.65	cps
Sodium	23-2	7421133	7298978	7303922	7341344	0.94	cps
Strontium	86-1	78022	79783	76591	78132	2.05	cps
Strontium	88-1	671749	686329	655282	671120	2.31	cps
Sulfur	34-1	2936443	3009709	2858154	2934769	2.58	cps
Terbium	159-1	8181916	8452023	7969267	8201069	2.95	cps
Terbium	159-2	2023449	1966411	1964119	1984660	1.69	cps
Thallium	203-1	126902	126947	123127	125659	1.75	cps
Thallium	205-1	296956	303820	292034	297603	1.99	cps
Tin	118-1	1942	2000	1775	1906	6.13	cps
Titanium	47-1	2179958	2210371	2094806	2161712	2.77	cps
Uranium	238-1	417	408	358	394	8.00	cps
Vanadium	51-2	13136	12793	13176	13035	1.62	cps
Yttrium	89-1	6999629	7336076	6858992	7064899	3.47	cps
Yttrium	89-2	256063	246154	248565	250261	2.06	cps
Zinc	66-2	5458	4904	5168	5177	5.35	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:38:54	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2534	2292	2009	2278	11.54	cps
Zirconium	91-1	592	450	492	511	14.25	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV069	Instrumnet Name :	P8
Client Sample ID :	CCV069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:42:11	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	401893	400946	396843	399894	0.67	cps
Antimony	121-1	4173892	4281397	4160080	4205123	1.58	cps
Arsenic	75-2	55705	54856	55130	55230	0.78	cps
Barium	135-1	4433828	4599555	4414512	4482632	2.27	cps
Barium	137-1	7730328	7925930	7684249	7780169	1.65	cps
Beryllium	9-1	832464	851469	829674	837869	1.42	cps
Bismuth	209-1	4872880	4956063	4890056	4906333	0.90	cps
Bismuth	209-2	1552536	1532993	1460410	1515313	3.20	cps
Boron	10-1	93923	97136	95425	95495	1.68	cps
Boron	11-1	439047	465882	461901	455610	3.18	cps
Cadmium	111-1	923766	947072	923213	931350	1.46	cps
Cadmium	106-1	100196	103790	99448	101145	2.29	cps
Cadmium	108-1	67288	68896	67271	67818	1.38	cps
Calcium	43-1	5412188	5552545	5404549	5456427	1.53	cps
Calcium	44-1	88808402	90477685	87980187	89088758	1.43	cps
Chromium	52-2	463006	461782	463826	462871	0.22	cps
Cobalt	59-2	931882	936364	932801	933682	0.25	cps
Copper	63-2	1569476	1551652	1529671	1550267	1.29	cps
Dysprosium	156-1	117	75	158	117	35.72	cps
Dysprosium	156-2	17	17	20	18	10.81	cps
Erbium	164-1	117	92	42	83	45.82	cps
Erbium	164-2	17	13	3	11	62.48	cps
Gadolinium	160-1	83	150	117	117	28.57	cps
Gadolinium	160-2	30	20	30	27	21.65	cps
Holmium	165-1	7768543	7967763	7727787	7821364	1.64	cps
Holmium	165-2	2047912	2005516	1884275	1979234	4.29	cps
Indium	115-1	6223117	6418387	6174841	6272115	2.06	cps
Indium	115-2	316212	313280	293522	307671	4.01	cps
Iron	56-2	75370099	75722616	74733363	75275359	0.67	cps
Iron	57-2	1924536	1940396	1918716	1927883	0.58	cps
Krypton	83-1	380	327	390	366	9.31	cps
Lead	206-1	2578376	2645655	2581485	2601839	1.46	cps
Lead	207-1	2369915	2394454	2307266	2357212	1.91	cps
Lead	208-1	10496294	10764722	10408806	10556608	1.76	cps
Lithium	6-1	1529865	1566421	1546782	1547689	1.18	cps
Magnesium	24-2	8386872	8321866	8262960	8323899	0.74	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV069	Instrumnet Name :	P8
Client Sample ID :	CCV069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:42:11	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	270464	271557	266624	269548	0.96	cps
Molybdenum	94-1	7461997	7634994	7468031	7521674	1.31	cps
Molybdenum	95-1	9085449	9429063	9087041	9200518	2.15	cps
Molybdenum	96-1	10365671	10506746	10238839	10370419	1.29	cps
Molybdenum	97-1	5765993	5899752	5744585	5803443	1.45	cps
Molybdenum	98-1	14665918	15037595	14575069	14759527	1.66	cps
Neodymium	150-1	347	260	280	296	15.36	cps
Neodymium	150-2	20	17	17	18	10.81	cps
Nickel	60-2	275075	275153	273070	274433	0.43	cps
Phosphorus	31-2	5168	5151	5068	5129	1.04	cps
Potassium	39-2	2316524	2318063	2275119	2303235	1.06	cps
Rhodium	103-1	5810546	5919477	5812823	5847615	1.06	cps
Rhodium	103-2	1731826	1749890	1626990	1702902	3.90	cps
Scandium	45-1	4395093	4543284	4364234	4434204	2.16	cps
Scandium	45-2	36474	35712	34179	35455	3.30	cps
Selenium	77-2	473	370	400	414	12.83	cps
Selenium	78-2	1324	1359	1259	1314	3.86	cps
Selenium	82-1	61504	63952	61214	62223	2.42	cps
Silicon	28-1	2755068	2849556	2788401	2797675	1.71	cps
Silver	109-1	4477479	4533859	4408541	4473293	1.40	cps
Silver	107-1	4634174	4837520	4640711	4704135	2.46	cps
Sodium	23-2	18636833	18469398	18319641	18475290	0.86	cps
Strontium	86-1	1183896	1205761	1171706	1187121	1.45	cps
Strontium	88-1	10159054	10416808	10057182	10211015	1.82	cps
Sulfur	34-1	729121	740251	724723	731365	1.09	cps
Terbium	159-1	8041641	8253630	8034699	8109990	1.53	cps
Terbium	159-2	1966711	1942215	1839617	1916181	3.52	cps
Thallium	203-1	3236293	3290571	3194001	3240289	1.49	cps
Thallium	205-1	7490535	7684692	7516807	7564011	1.39	cps
Tin	118-1	2887666	2978413	2845756	2903945	2.34	cps
Titanium	47-1	2750360	2825925	2727626	2767970	1.86	cps
Uranium	238-1	10074168	10231380	10001751	10102433	1.16	cps
Vanadium	51-2	338684	335053	336376	336704	0.55	cps
Yttrium	89-1	6898723	7065479	6929344	6964515	1.27	cps
Yttrium	89-2	244189	244290	228164	238881	3.89	cps
Zinc	66-2	158264	158008	156727	157666	0.52	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV069	Instrumnet Name :	P8
Client Sample ID :	CCV069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:42:11	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6269076	6446528	6304392	6339999	1.48	cps
Zirconium	91-1	1428834	1464129	1417887	1436950	1.68	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB069	Instrumnet Name :	P8
Client Sample ID :	CCB069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:46:03	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23	33	28	28	18.18	cps
Antimony	121-1	5910	5718	5968	5866	2.23	cps
Arsenic	75-2	6	7	9	7	24.97	cps
Barium	135-1	183	142	92	139	33.05	cps
Barium	137-1	267	217	167	217	23.08	cps
Beryllium	9-1	611	450	517	526	15.39	cps
Bismuth	209-1	5176047	4918373	5197434	5097285	3.05	cps
Bismuth	209-2	1861128	1828169	1812106	1833801	1.36	cps
Boron	10-1	2700	2484	2250	2478	9.08	cps
Boron	11-1	13073	12364	11046	12161	8.46	cps
Cadmium	111-1	1077	1176	1290	1181	9.02	cps
Cadmium	106-1	1475	1634	1792	1634	9.69	cps
Cadmium	108-1	8	25	21	18	48.05	cps
Calcium	43-1	608	750	583	647	13.89	cps
Calcium	44-1	21367	21133	20265	20922	2.78	cps
Chromium	52-2	460	417	460	446	5.62	cps
Cobalt	59-2	73	80	63	72	11.62	cps
Copper	63-2	517	533	450	500	8.82	cps
Dysprosium	156-1	25	0	33	19	89.22	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	0	33	33	22	86.60	cps
Erbium	164-2	7	3	7	6	34.70	cps
Gadolinium	160-1	50	67	50	56	17.32	cps
Gadolinium	160-2	10	3	7	7	50.03	cps
Holmium	165-1	7676372	7497208	7949516	7707699	2.96	cps
Holmium	165-2	2199499	2179004	2207846	2195450	0.68	cps
Indium	115-1	6455743	6257283	6708900	6473975	3.50	cps
Indium	115-2	364230	361054	361373	362219	0.48	cps
Iron	56-2	3934	3940	3739	3871	2.94	cps
Iron	57-2	161	78	100	113	38.20	cps
Krypton	83-1	337	380	377	364	6.62	cps
Lead	206-1	872	867	783	841	5.92	cps
Lead	207-1	789	895	667	783	14.55	cps
Lead	208-1	3378	3545	3250	3391	4.35	cps
Lithium	6-1	1606425	1577477	1656001	1613301	2.46	cps
Magnesium	24-2	508	417	392	439	14.00	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB069	Instrumnet Name :	P8
Client Sample ID :	CCB069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:46:03	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	50	27	50	42	31.90	cps
Molybdenum	94-1	2209	2142	1942	2097	6.62	cps
Molybdenum	95-1	2584	2609	2225	2473	8.68	cps
Molybdenum	96-1	2834	2700	2367	2634	9.13	cps
Molybdenum	97-1	1642	1442	1458	1514	7.33	cps
Molybdenum	98-1	4293	4009	3317	3873	12.95	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	393	403	390	396	1.75	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	3609	3517	3384	3503	3.23	cps
Rhodium	103-1	6196035	6024518	6393766	6204773	2.98	cps
Rhodium	103-2	2018488	1999953	1995435	2004625	0.61	cps
Scandium	45-1	4415279	4255791	4571785	4414285	3.58	cps
Scandium	45-2	38991	39125	38830	38982	0.38	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	4	4	4	24.86	cps
Selenium	82-1	237	202	236	225	8.73	cps
Silicon	28-1	282937	282478	279333	281582	0.70	cps
Silver	109-1	567	417	483	489	15.37	cps
Silver	107-1	317	442	275	344	25.18	cps
Sodium	23-2	11588	11355	11472	11472	1.02	cps
Strontium	86-1	650	658	675	661	1.93	cps
Strontium	88-1	492	375	425	431	13.59	cps
Sulfur	34-1	384790	389867	390344	388334	0.79	cps
Terbium	159-1	8147092	7811681	8247039	8068604	2.83	cps
Terbium	159-2	2169748	2128092	2176390	2158077	1.21	cps
Thallium	203-1	1475	1442	1225	1381	9.83	cps
Thallium	205-1	3442	3476	2959	3292	8.79	cps
Tin	118-1	1825	1775	1809	1803	1.41	cps
Titanium	47-1	242	250	225	239	5.33	cps
Uranium	238-1	433	417	333	394	13.58	cps
Vanadium	51-2	7	3	7	6	34.70	cps
Yttrium	89-1	6906197	6791185	7190172	6962518	2.95	cps
Yttrium	89-2	271374	268432	268815	269540	0.59	cps
Zinc	66-2	300	280	310	297	5.15	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB069	Instrumnet Name :	P8
Client Sample ID :	CCB069	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:46:03	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1859	1692	1842	1797	5.11	cps
Zirconium	91-1	392	425	458	425	7.84	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:49:25	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	190	203	183	192	5.27	cps
Antimony	121-1	18864	19740	18780	19128	2.78	cps
Arsenic	75-2	141	146	135	141	3.95	cps
Barium	135-1	17713	18171	18422	18102	1.99	cps
Barium	137-1	30970	30920	31513	31135	1.06	cps
Beryllium	9-1	2306	2156	2089	2184	5.08	cps
Bismuth	209-1	4950051	5207313	5354347	5170570	3.96	cps
Bismuth	209-2	1849824	1872574	1882411	1868270	0.89	cps
Boron	10-1	5810	6302	5985	6032	4.13	cps
Boron	11-1	28905	29097	29865	29289	1.73	cps
Cadmium	111-1	3170	2978	2979	3042	3.62	cps
Cadmium	106-1	1867	1809	1850	1842	1.63	cps
Cadmium	108-1	125	179	154	153	17.75	cps
Calcium	43-1	11564	11706	11322	11530	1.68	cps
Calcium	44-1	200471	200268	200395	200378	0.05	cps
Chromium	52-2	2560	2264	2484	2436	6.32	cps
Cobalt	59-2	2230	2077	2187	2165	3.65	cps
Copper	63-2	4174	4227	4167	4190	0.79	cps
Dysprosium	156-1	0	25	8	11	114.58	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	25	33	31	15.74	cps
Erbium	164-2	10	3	3	6	69.34	cps
Gadolinium	160-1	8	75	42	42	80.00	cps
Gadolinium	160-2	3	10	7	7	50.03	cps
Holmium	165-1	7350221	7789514	7969399	7703045	4.13	cps
Holmium	165-2	2214549	2221513	2245740	2227267	0.74	cps
Indium	115-1	6216886	6609960	6662309	6496385	3.75	cps
Indium	115-2	365010	367148	367441	366533	0.36	cps
Iron	56-2	37473	37061	37161	37232	0.58	cps
Iron	57-2	800	783	911	832	8.35	cps
Krypton	83-1	420	393	423	412	3.99	cps
Lead	206-1	5835	5796	6441	6024	6.00	cps
Lead	207-1	5435	5429	5535	5466	1.09	cps
Lead	208-1	24560	24316	25461	24779	2.43	cps
Lithium	6-1	1549433	1609051	1673201	1610562	3.84	cps
Magnesium	24-2	19789	19664	19631	19695	0.42	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:49:25	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	350	363	393	369	6.02	cps
Molybdenum	94-1	17262	16586	15977	16608	3.87	cps
Molybdenum	95-1	19306	19473	19123	19301	0.91	cps
Molybdenum	96-1	22411	22152	22236	22266	0.59	cps
Molybdenum	97-1	12106	12089	12264	12153	0.80	cps
Molybdenum	98-1	31145	31563	30811	31173	1.21	cps
Neodymium	150-1	7	27	7	13	86.58	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1010	1030	1020	1020	0.98	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	13557	13374	13299	13410	0.99	cps
Rhodium	103-1	5950298	6314220	6494971	6253163	4.44	cps
Rhodium	103-2	2023519	2032365	2045381	2033755	0.54	cps
Scandium	45-1	4319364	4484058	4673227	4492216	3.94	cps
Scandium	45-2	40131	39880	39242	39751	1.15	cps
Selenium	77-2	3	10	10	8	49.52	cps
Selenium	78-2	13	20	26	20	32.94	cps
Selenium	82-1	889	937	884	903	3.22	cps
Silicon	28-1	351997	355043	354610	353883	0.47	cps
Silver	109-1	8962	9712	9337	9337	4.02	cps
Silver	107-1	9629	9721	9796	9715	0.86	cps
Sodium	23-2	52355	52782	52556	52564	0.41	cps
Strontium	86-1	3267	3267	3401	3312	2.33	cps
Strontium	88-1	21693	22094	21351	21713	1.71	cps
Sulfur	34-1	389921	389022	394483	391142	0.75	cps
Terbium	159-1	7736689	8207127	8442803	8128873	4.42	cps
Terbium	159-2	2168970	2182553	2168609	2173377	0.37	cps
Thallium	203-1	7136	7603	7152	7297	3.63	cps
Thallium	205-1	17997	18080	17605	17894	1.42	cps
Tin	118-1	30669	30669	30469	30603	0.38	cps
Titanium	47-1	5935	5601	6093	5876	4.27	cps
Uranium	238-1	20843	21394	21736	21325	2.11	cps
Vanadium	51-2	3444	3450	3581	3492	2.21	cps
Yttrium	89-1	6742044	7095607	7261676	7033109	3.77	cps
Yttrium	89-2	271505	271943	272281	271910	0.14	cps
Zinc	66-2	620	633	620	624	1.23	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:49:25	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	16819	16302	16219	16447	1.98	cps
Zirconium	91-1	3709	3792	3642	3715	2.02	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	J5079-06A	Instrumnet Name :	P8
Client Sample ID :	MYAK64A	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:52:47	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1478	1490	1460	1476	1.02	cps
Antimony	121-1	2034	2100	2284	2139	6.05	cps
Arsenic	75-2	1044	1000	1069	1038	3.35	cps
Barium	135-1	73178	74594	73010	73594	1.18	cps
Barium	137-1	126332	127181	127502	127005	0.48	cps
Beryllium	9-1	311	289	367	322	12.43	cps
Bismuth	209-1	5378763	5246507	5597370	5407546	3.28	cps
Bismuth	209-2	1922234	1927872	1902229	1917445	0.70	cps
Boron	10-1	60478	60771	61750	61000	1.09	cps
Boron	11-1	291839	300357	298718	296971	1.52	cps
Cadmium	111-1	1321	1292	1337	1317	1.75	cps
Cadmium	106-1	1875	1817	1884	1859	1.95	cps
Cadmium	108-1	42	25	21	29	37.81	cps
Calcium	43-1	564575	562004	561074	562551	0.32	cps
Calcium	44-1	9256839	9185261	9232738	9224946	0.39	cps
Chromium	52-2	667	483	627	592	16.28	cps
Cobalt	59-2	453	553	527	511	10.13	cps
Copper	63-2	2844	2980	2647	2824	5.94	cps
Dysprosium	156-1	467	425	483	458	6.56	cps
Dysprosium	156-2	117	97	113	109	9.84	cps
Erbium	164-1	308	467	383	386	20.51	cps
Erbium	164-2	93	90	87	90	3.71	cps
Gadolinium	160-1	500	558	508	522	6.04	cps
Gadolinium	160-2	120	157	120	132	16.01	cps
Holmium	165-1	8407863	8220787	8405075	8344575	1.28	cps
Holmium	165-2	2305702	2341867	2285357	2310975	1.24	cps
Indium	115-1	7096350	6878700	7070903	7015318	1.70	cps
Indium	115-2	379034	381452	378700	379729	0.40	cps
Iron	56-2	162720	162196	161912	162276	0.25	cps
Iron	57-2	4040	4234	3967	4080	3.38	cps
Krypton	83-1	447	363	447	419	11.48	cps
Lead	206-1	2400	2250	2078	2243	7.19	cps
Lead	207-1	2128	1922	2050	2034	5.10	cps
Lead	208-1	9452	9185	9002	9213	2.46	cps
Lithium	6-1	1736414	1701552	1732908	1723625	1.11	cps
Magnesium	24-2	247999	250953	247050	248667	0.82	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	J5079-06A	Instrumnet Name :	P8
Client Sample ID :	MYAK64A	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:52:47	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	15949	16033	15953	15978	0.30	cps
Molybdenum	94-1	16728	17337	16477	16847	2.62	cps
Molybdenum	95-1	25308	25542	24840	25230	1.42	cps
Molybdenum	96-1	27120	27203	26360	26894	1.73	cps
Molybdenum	97-1	15134	15351	14642	15042	2.42	cps
Molybdenum	98-1	40403	40093	40052	40183	0.48	cps
Neodymium	150-1	880	733	660	758	14.78	cps
Neodymium	150-2	113	117	137	122	10.32	cps
Nickel	60-2	713	687	683	694	2.37	cps
Phosphorus	31-2	25	17	67	36	74.18	cps
Potassium	39-2	62816	63887	62381	63028	1.23	cps
Rhodium	103-1	6634148	6471106	6655069	6586774	1.53	cps
Rhodium	103-2	2060782	2094317	2105929	2087009	1.12	cps
Scandium	45-1	4834905	4701576	4895277	4810586	2.06	cps
Scandium	45-2	41919	41558	41963	41813	0.53	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	7	0	4	89.21	cps
Selenium	82-1	242	269	283	265	7.83	cps
Silicon	28-1	24401685	24429025	24035019	24288576	0.91	cps
Silver	109-1	125	192	100	139	34.12	cps
Silver	107-1	242	242	250	244	1.97	cps
Sodium	23-2	2685322	2643781	2665495	2664866	0.78	cps
Strontium	86-1	601112	597713	598719	599181	0.29	cps
Strontium	88-1	5254736	5226298	5193168	5224734	0.59	cps
Sulfur	34-1	816577	820225	808705	815169	0.72	cps
Terbium	159-1	8660498	8594055	8802647	8685733	1.23	cps
Terbium	159-2	2243632	2263372	2235121	2247375	0.64	cps
Thallium	203-1	808	717	608	711	14.08	cps
Thallium	205-1	1600	1834	1492	1642	10.64	cps
Tin	118-1	2409	2242	2342	2331	3.60	cps
Titanium	47-1	6660	6377	6544	6527	2.18	cps
Uranium	238-1	197674	197651	195743	197023	0.56	cps
Vanadium	51-2	2370	2350	2350	2357	0.49	cps
Yttrium	89-1	7563891	7396195	7600205	7520097	1.45	cps
Yttrium	89-2	280533	284652	282996	282727	0.73	cps
Zinc	66-2	3344	3404	3467	3405	1.81	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	J5079-06A	Instrumnet Name :	P8
Client Sample ID :	MYAK64A	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 14:52:47	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	8620	7594	7846	8020	6.66	cps
Zirconium	91-1	1975	1625	1417	1672	16.87	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV070	Instrumnet Name :	P8
Client Sample ID :	CCV070	Dilution Factor :	1
Date & Time Acquired ::	2018-10-03 15:11:49	DataFile Name :	021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	442513	438064	441366	440648	0.52	cps
Antimony	121-1	4352914	4308959	4291484	4317785	0.73	cps
Arsenic	75-2	60556	59513	60398	60155	0.93	cps
Barium	135-1	4570628	4599461	4570921	4580337	0.36	cps
Barium	137-1	8007842	7997175	8066419	8023812	0.46	cps
Beryllium	9-1	888054	882150	884634	884946	0.33	cps
Bismuth	209-1	4966183	5143451	5104635	5071423	1.84	cps
Bismuth	209-2	1730584	1709702	1744758	1728348	1.02	cps
Boron	10-1	98402	100132	102657	100397	2.13	cps
Boron	11-1	468452	476604	481301	475452	1.37	cps
Cadmium	111-1	960525	957860	953565	957316	0.37	cps
Cadmium	106-1	104017	104311	105940	104756	0.99	cps
Cadmium	108-1	69633	70173	69290	69699	0.64	cps
Calcium	43-1	5594107	5617107	5559473	5590229	0.52	cps
Calcium	44-1	91864408	92012283	91706748	91861146	0.17	cps
Chromium	52-2	504438	501710	504748	503632	0.33	cps
Cobalt	59-2	1018546	1007726	1012286	1012853	0.54	cps
Copper	63-2	1680129	1697150	1696272	1691183	0.57	cps
Dysprosium	156-1	142	92	150	128	24.69	cps
Dysprosium	156-2	13	17	27	19	36.75	cps
Erbium	164-1	33	125	67	75	61.87	cps
Erbium	164-2	27	7	27	20	57.73	cps
Gadolinium	160-1	150	142	158	150	5.56	cps
Gadolinium	160-2	23	33	33	30	19.25	cps
Holmium	165-1	8033786	8078138	8195284	8102403	1.03	cps
Holmium	165-2	2231083	2178132	2240550	2216588	1.52	cps
Indium	115-1	6445710	6577812	6570358	6531293	1.14	cps
Indium	115-2	347778	341201	348398	345792	1.15	cps
Iron	56-2	82757766	82479696	82112677	82450046	0.39	cps
Iron	57-2	2125179	2073679	2084780	2094546	1.29	cps
Krypton	83-1	413	483	317	404	20.69	cps
Lead	206-1	2642592	2623322	2644788	2636901	0.45	cps
Lead	207-1	2409575	2403299	2452826	2421900	1.11	cps
Lead	208-1	10807117	10790601	10816741	10804819	0.12	cps
Lithium	6-1	1621525	1663436	1640137	1641700	1.28	cps
Magnesium	24-2	9212733	9193005	9131057	9178932	0.46	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV070	Instrumnet Name :	P8
Client Sample ID :	CCV070	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	295388	293728	293139	294085	0.40	cps
Molybdenum	94-1	7843811	7677660	7690153	7737208	1.20	cps
Molybdenum	95-1	9564761	9424839	9467790	9485797	0.76	cps
Molybdenum	96-1	10649989	10527210	10533404	10570201	0.65	cps
Molybdenum	97-1	5944535	5892911	5983901	5940449	0.77	cps
Molybdenum	98-1	15166613	15005593	15155134	15109113	0.59	cps
Neodymium	150-1	287	320	313	307	5.75	cps
Neodymium	150-2	23	33	27	28	18.33	cps
Nickel	60-2	299615	297993	297250	298286	0.41	cps
Phosphorus	31-2	5635	5985	5843	5821	3.03	cps
Potassium	39-2	2538142	2512290	2549284	2533239	0.75	cps
Rhodium	103-1	5953458	6049840	6130104	6044467	1.46	cps
Rhodium	103-2	1913694	1873541	1885454	1890896	1.09	cps
Scandium	45-1	4516645	4655333	4725620	4632532	2.30	cps
Scandium	45-2	39044	39252	39967	39421	1.23	cps
Selenium	77-2	447	430	437	438	1.92	cps
Selenium	78-2	1378	1465	1563	1469	6.31	cps
Selenium	82-1	63616	63628	63780	63674	0.14	cps
Silicon	28-1	2828838	2885371	2873128	2862446	1.04	cps
Silver	109-1	4595622	4580304	4490155	4555360	1.25	cps
Silver	107-1	4837967	4817811	4812453	4822744	0.28	cps
Sodium	23-2	20512952	20291620	20368183	20390918	0.55	cps
Strontium	86-1	1217968	1217221	1207931	1214373	0.46	cps
Strontium	88-1	10578520	10464029	10529559	10524036	0.55	cps
Sulfur	34-1	776191	774715	766465	772457	0.68	cps
Terbium	159-1	8320712	8523384	8508012	8450703	1.34	cps
Terbium	159-2	2151204	2122054	2167311	2146856	1.07	cps
Thallium	203-1	3332977	3329403	3321837	3328072	0.17	cps
Thallium	205-1	7755826	7808212	7828974	7797671	0.48	cps
Tin	118-1	2975491	2957232	2980537	2971087	0.41	cps
Titanium	47-1	2848676	2814703	2824391	2829257	0.62	cps
Uranium	238-1	10401056	10397700	10303677	10367478	0.53	cps
Vanadium	51-2	366339	361911	368039	365430	0.87	cps
Yttrium	89-1	7198856	7274039	7336443	7269779	0.95	cps
Yttrium	89-2	266444	265001	270707	267384	1.11	cps
Zinc	66-2	172454	171968	172288	172237	0.14	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCV070	Instrumnet Name :	P8
Client Sample ID :	CCV070	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6617492	6523095	6570642	6570410	0.72	cps
Zirconium	91-1	1509003	1479313	1506739	1498352	1.10	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB070	Instrumnet Name :	P8
Client Sample ID :	CCB070	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13	23	20	18	28.41	cps
Antimony	121-1	3259	3234	3259	3251	0.44	cps
Arsenic	75-2	6	7	11	8	35.21	cps
Barium	135-1	50	67	50	56	17.32	cps
Barium	137-1	50	117	75	81	41.81	cps
Beryllium	9-1	322	444	383	383	15.94	cps
Bismuth	209-1	5187165	5159536	5265048	5203916	1.05	cps
Bismuth	209-2	1870844	1826808	1815714	1837789	1.59	cps
Boron	10-1	1867	1692	1867	1809	5.59	cps
Boron	11-1	9170	8953	8853	8992	1.80	cps
Cadmium	111-1	1124	1275	1302	1233	7.77	cps
Cadmium	106-1	1600	1792	1850	1747	7.49	cps
Cadmium	108-1	13	13	8	11	21.67	cps
Calcium	43-1	425	467	408	433	6.93	cps
Calcium	44-1	18012	18363	18012	18129	1.12	cps
Chromium	52-2	397	473	517	462	13.15	cps
Cobalt	59-2	57	53	77	62	20.29	cps
Copper	63-2	430	450	360	413	11.43	cps
Dysprosium	156-1	8	25	25	19	49.50	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	8	67	50	42	72.12	cps
Erbium	164-2	13	10	3	9	57.30	cps
Gadolinium	160-1	58	67	100	75	29.40	cps
Gadolinium	160-2	13	13	3	10	57.75	cps
Holmium	165-1	7849530	7796253	7909610	7851797	0.72	cps
Holmium	165-2	2231754	2177491	2166403	2191883	1.60	cps
Indium	115-1	6720360	6601986	6719568	6680638	1.02	cps
Indium	115-2	367566	357449	360998	362004	1.42	cps
Iron	56-2	2322	2278	2267	2289	1.28	cps
Iron	57-2	78	67	78	74	8.66	cps
Krypton	83-1	370	353	340	354	4.24	cps
Lead	206-1	600	561	589	583	3.43	cps
Lead	207-1	567	528	578	557	4.71	cps
Lead	208-1	2489	2139	2256	2295	7.77	cps
Lithium	6-1	1672007	1652721	1668540	1664423	0.62	cps
Magnesium	24-2	333	408	467	403	16.60	cps

LB Number :	LB98344	Operator :	Jaswal
Lab Sample ID :	CCB070	Instrumnet Name :	P8
Client Sample ID :	CCB070	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	47	37	50	44	15.61	cps
Molybdenum	94-1	1258	1167	1267	1231	4.51	cps
Molybdenum	95-1	1183	1042	975	1067	9.97	cps
Molybdenum	96-1	1283	1317	1167	1256	6.27	cps
Molybdenum	97-1	800	675	775	750	8.82	cps
Molybdenum	98-1	1867	1617	1483	1656	11.76	cps
Neodymium	150-1	7	20	0	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	337	377	383	366	6.90	cps
Phosphorus	31-2	8	8	0	6	86.60	cps
Potassium	39-2	3576	3492	3401	3489	2.51	cps
Rhodium	103-1	6417252	6288652	6358113	6354672	1.01	cps
Rhodium	103-2	2054157	1999416	2025131	2026235	1.35	cps
Scandium	45-1	4557901	4504084	4558979	4540321	0.69	cps
Scandium	45-2	40719	39419	39141	39760	2.12	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	4	2	2	100.00	cps
Selenium	82-1	242	283	223	250	12.31	cps
Silicon	28-1	280802	283617	286193	283537	0.95	cps
Silver	109-1	100	133	158	131	22.42	cps
Silver	107-1	158	242	92	164	45.86	cps
Sodium	23-2	10896	11197	10404	10832	3.69	cps
Strontium	86-1	600	717	550	622	13.75	cps
Strontium	88-1	233	333	333	300	19.24	cps
Sulfur	34-1	407444	408930	408724	408366	0.20	cps
Terbium	159-1	8232081	8214473	8308745	8251766	0.61	cps
Terbium	159-2	2150412	2128124	2142511	2140349	0.53	cps
Thallium	203-1	783	975	767	842	13.76	cps
Thallium	205-1	1875	1684	1734	1764	5.64	cps
Tin	118-1	2200	1967	2209	2125	6.45	cps
Titanium	47-1	125	142	158	142	11.76	cps
Uranium	238-1	67	108	83	86	24.35	cps
Vanadium	51-2	0	3	10	4	114.60	cps
Yttrium	89-1	7187626	7065954	7201528	7151703	1.04	cps
Yttrium	89-2	272074	266556	268246	268959	1.05	cps
Zinc	66-2	140	133	140	138	2.79	cps

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Lab Sample ID :	CCB070	Instrumnet Name :	P8
Client Sample ID :	CCB070	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1892	1875	1900	1889	0.67	cps
Zirconium	91-1	375	575	367	439	26.88	cps