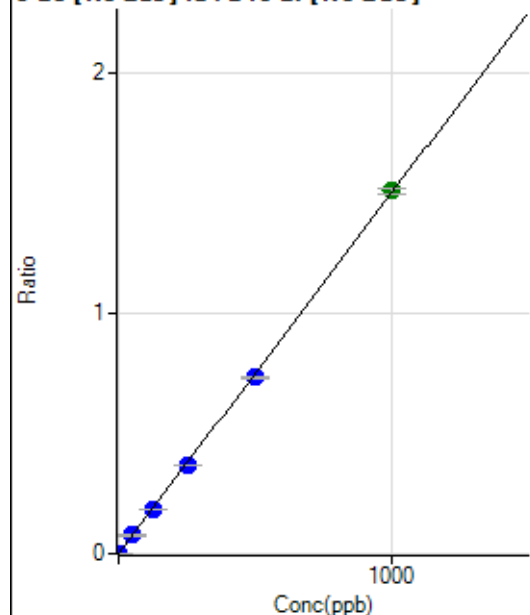


Batch Folder: D:\P8072817-MS.b\
Analysis File: P8072817-MS.batch.bin
DA Date-Time: 2017-07-31 11:06:47
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2017-07-28 15:11:05
2			
3	005CALS.d	S02	2017-07-28 15:18:12
4	006CALS.d	S03	2017-07-28 15:21:40
5	007CALS.d	S04	2017-07-28 15:25:12
6	008CALS.d	S05	2017-07-28 15:28:35
7	009CALS.d	S06	2017-07-28 15:31:52
8	010CALS.d	S07	2017-07-28 15:35:04
9	011CALS.d	S08	2017-07-28 15:38:11

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	59.26	0.0001	P	14.6
2	☐	0.100					
3	☐	1.000	0.884	1457.53	0.0014	P	8.5
4	☐	50.000	50.986	81623.39	0.0765	P	1.7
5	☐	125.000	124.255	202743.53	0.1864	P	0.7
6	☐	250.000	246.068	404960.10	0.3691	P	0.7
7	☐	500.000	489.761	799818.69	0.7346	P	0.9
8	☐	1000.000	1006.146	1593700.61	1.5090	A	1.7
9	☐			550.03	0.0005	P	6.8

$$y = 0.0015 * x + 5.5879E-005$$

$$R = 0.9999$$

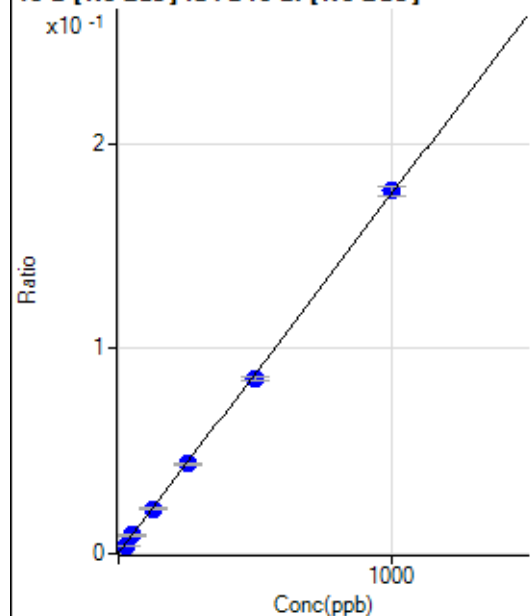
$$DL = 0.01636$$

$$BEC = 0.03726$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	230.57	0.0002	P	25.1
2	☐	2.500					
3	☐	25.000	22.074	4314.76	0.0041	P	6.2
4	☐	50.000	49.824	9550.86	0.0090	P	3.3
5	☐	125.000	122.356	23572.81	0.0217	P	3.7
6	☐	250.000	248.029	47958.92	0.0437	P	2.1
7	☐	500.000	484.475	92743.21	0.0852	P	1.9
8	☐	1000.000	1008.668	187030.79	0.1771	P	2.4
9	☐			6690.74	0.0065	P	7.5

$$y = 1.7537E-004 * x + 2.1766E-004$$

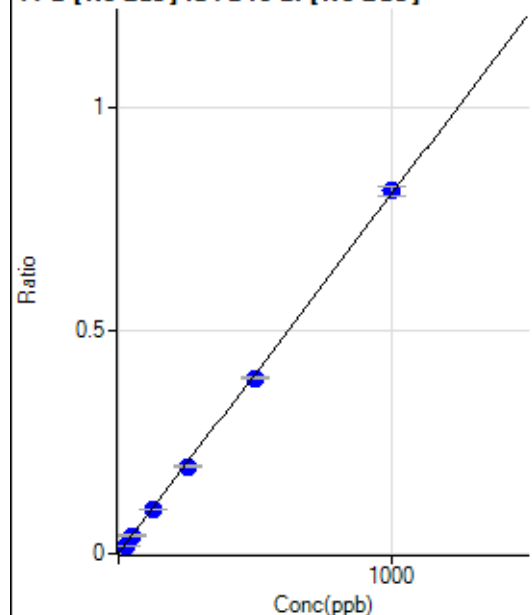
$$R = 0.9998$$

$$DL = 0.9343$$

$$BEC = 1.241$$

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	941.74	0.0009	P	2.0
2	☐	2.500					
3	☐	25.000	21.625	19302.65	0.0183	P	4.0
4	☐	50.000	49.533	43450.03	0.0407	P	4.1
5	☐	125.000	122.963	108558.37	0.0998	P	1.1
6	☐	250.000	242.250	214798.80	0.1958	P	1.9
7	☐	500.000	486.920	427511.52	0.3926	P	0.9
8	☐	1000.000	1008.840	858002.10	0.8125	P	2.5
9	☐			31560.57	0.0304	P	6.7

$$y = 8.0451\text{E-}004 * x + 8.8758\text{E-}004$$

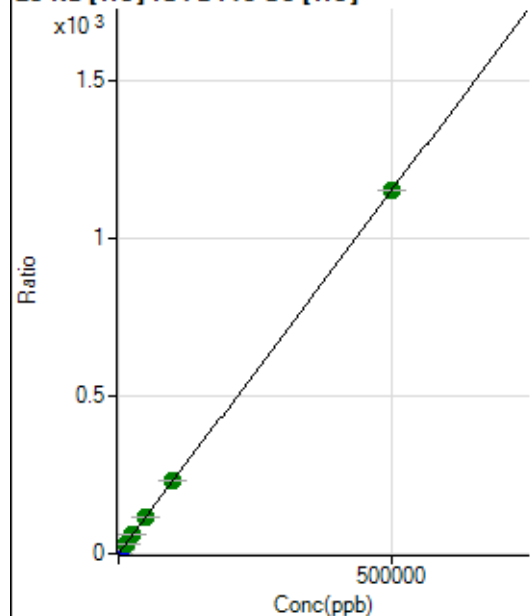
$$R = 0.9998$$

$$DL = 0.0654$$

$$BEC = 1.103$$

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	3272.72	0.0779	P	3.5
2	☐	50.000					
3	☐	500.000	471.720	49013.18	1.1648	P	0.8
4	☐	5000.000	5213.433	513495.07	12.0910	P	1.4
5	☐	12500.000	13048.328	1295031.86	30.1446	A	1.6
6	☐	25000.000	26401.329	2533870.63	60.9134	A	2.4
7	☐	50000.000	50754.516	4878969.86	117.0295	A	1.9
8	☐	100000.00	99886.100	9408169.57	230.2414	A	1.0
9	☐	500000.00	499861.44	48894321.58	1,151.888	A	0.1

$$y = 0.0023 * x + 0.0779$$

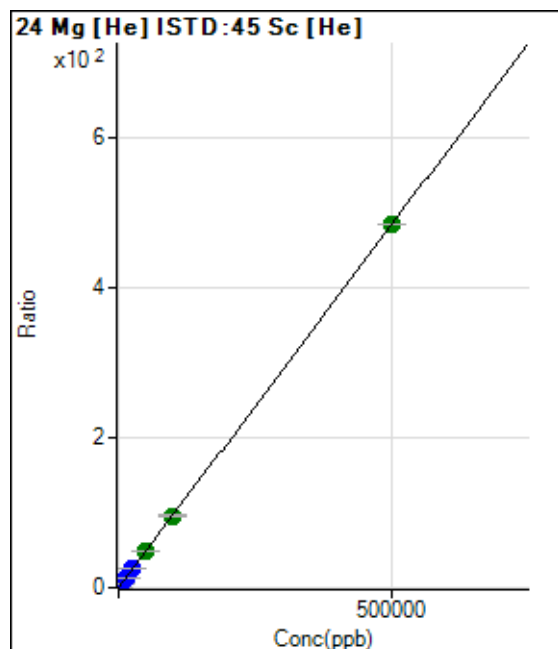
$$R = 1.0000$$

$$DL = 3.565$$

$$BEC = 33.79$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	105.56	0.0025	P	29.3
2	☐	50.000					
3	☐	500.000	447.509	18304.10	0.4350	P	1.0
4	☐	5000.000	5138.245	211021.67	4.9684	P	0.7
5	☐	12500.000	12708.922	527776.75	12.2851	P	1.2
6	☐	25000.000	26109.450	1049661.10	25.2360	P	3.0
7	☐	50000.000	51004.838	2055240.65	49.2962	A	1.7
8	☐	100000.00	99307.466	3921940.24	95.9783	A	0.4
9	☐	500000.00	499975.99	20510676.15	483.2046	A	0.1

$$y = 9.6645\text{E-}004 * x + 0.0025$$

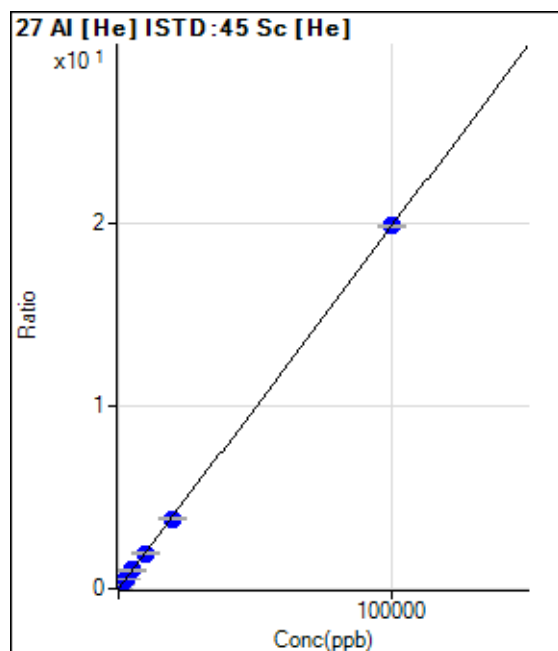
$$R = 1.0000$$

$$DL = 2.29$$

$$BEC = 2.607$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.89	0.0003	P	68.3
2	☐	2.000					
3	☐	20.000	20.286	183.34	0.0044	P	11.9
4	☐	1000.000	991.147	8372.26	0.1971	P	2.5
5	☐	2500.000	2484.649	21208.31	0.4936	P	0.5
6	☐	5000.000	5085.159	42007.78	1.0099	P	2.9
7	☐	10000.000	9798.056	81126.78	1.9456	P	0.6
8	☐	20000.000	19370.843	157166.22	3.8462	P	1.5
9	☐	100000.00	100142.24	843968.10	19.8826	P	0.6

$$y = 1.9854\text{E-}004 * x + 3.2919\text{E-}004$$

$$R = 1.0000$$

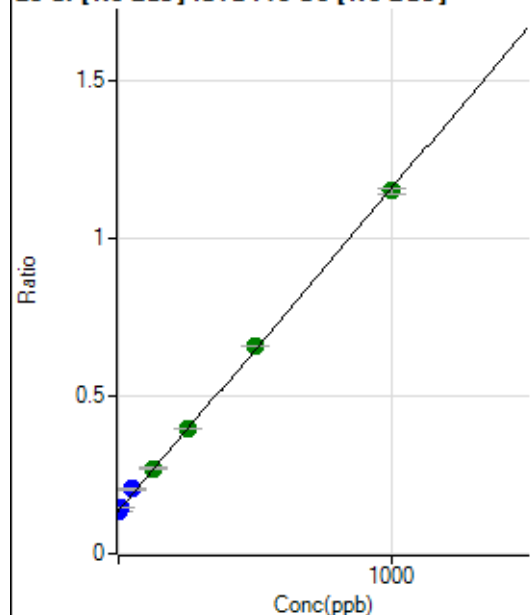
$$DL = 3.399$$

$$BEC = 1.658$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	565466.29	0.1359	P	0.9
2	☐	1.000					
3	☐	10.000	10.497	603368.94	0.1466	P	2.0
4	☐	50.000	67.568	852017.15	0.2049	P	1.2
5	☐	125.000	130.725	1141329.75	0.2694	A	2.6
6	☐	250.000	254.609	1680259.91	0.3960	A	0.4
7	☐	500.000	510.558	2781053.43	0.6574	A	0.3
8	☐	1000.000	991.970	4775113.78	1.1492	A	1.9
9	☐			589125.32	0.1398	P	2.9

$$y = 0.0010 * x + 0.1359$$

$$R = 0.9998$$

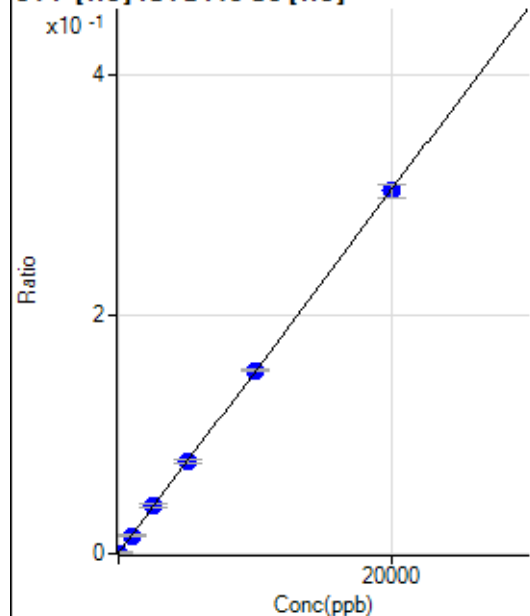
$$DL = 3.512$$

$$BEC = 133$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	2.148	25.00	0.0006	P	65.9
2	☐	0.000					
3	☐	0.000	-2.148	22.22	0.0005	P	114.
4	☐	1000.000	957.903	641.71	0.0151	P	5.8
5	☐	2500.000	2657.686	1758.51	0.0409	P	7.4
6	☐	5000.000	5074.181	3233.84	0.0777	P	4.1
7	☐	10000.000	10046.656	6387.84	0.1532	P	1.0
8	☐	20000.000	19940.521	12405.99	0.3035	P	3.7
9	☐			19.45	0.0005	P	108.

$$y = 1.5194E-005 * x + 5.5829E-004$$

$$R = 1.0000$$

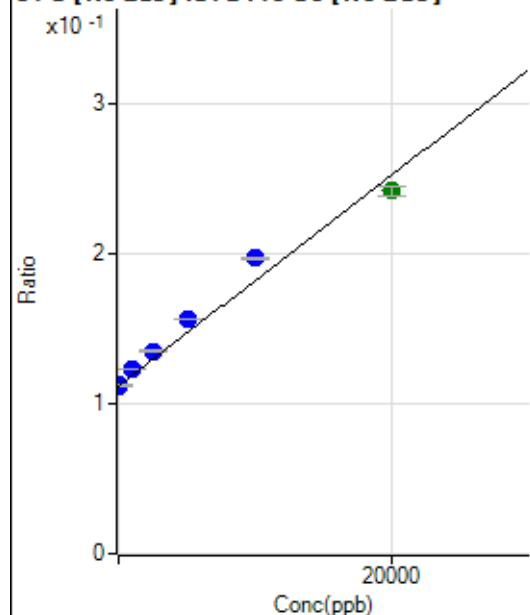
$$DL = 97.77$$

$$BEC = 36.74$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-54.158	463852.17	0.1115	P	0.3
2	☐	0.000					
3	☐	0.000	54.158	461904.85	0.1122	P	1.5
4	☐	1000.000	1607.180	511967.18	0.1231	P	0.7
5	☐	2500.000	3239.124	570041.32	0.1346	P	1.0
6	☐	5000.000	6311.669	662478.65	0.1561	P	0.4
7	☐	10000.000	12104.696	832337.39	0.1968	P	0.5
8	☐	20000.000	18496.985	1003862.71	0.2416	A	2.4
9	☐			456464.52	0.1083	P	0.1

$$y = 7.0150E-006 * x + 0.1118$$

$$R = 0.9883$$

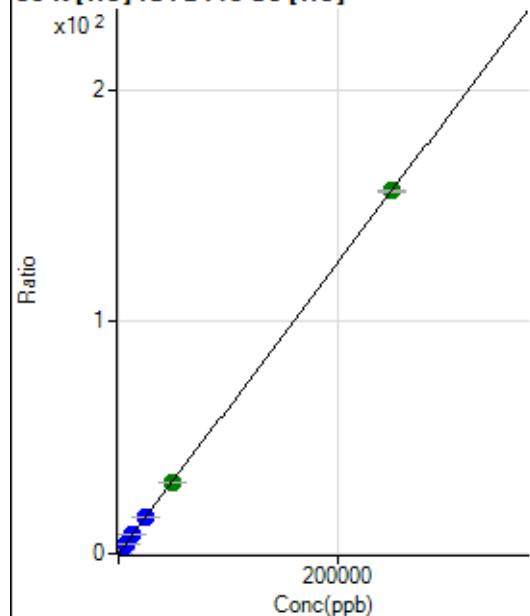
$$DL = 426$$

$$BEC = 1.594E+04$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3878.49	0.0923	P	5.0
2	☐	50.000					
3	☐	500.000	465.353	16123.72	0.3832	P	2.0
4	☐	2500.000	2569.789	72132.30	1.6986	P	2.8
5	☐	6250.000	6428.156	176580.12	4.1104	P	1.8
6	☐	12500.000	12975.304	341243.16	8.2028	P	2.0
7	☐	25000.000	24880.095	652251.98	15.6442	P	1.4
8	☐	50000.000	49136.557	1258899.56	30.8062	A	0.9
9	☐	250000.00	250155.83	6641180.10	156.4577	A	0.4

$$y = 6.2507E-004 * x + 0.0923$$

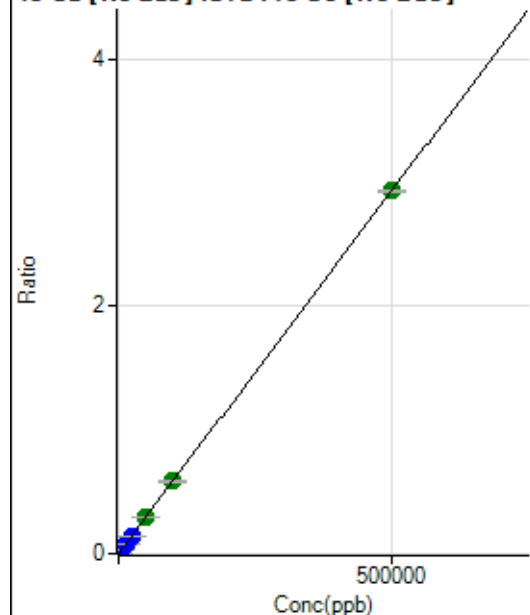
$$R = 1.0000$$

$$DL = 22.25$$

$$BEC = 147.7$$

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	4073.02	0.0010	P	4.8
2	☐	50.000					
3	☐	500.000	428.237	14360.79	0.0035	P	2.3
4	☐	5000.000	4983.067	125535.33	0.0302	P	0.9
5	☐	12500.000	12325.657	310219.88	0.0732	P	0.8
6	☐	25000.000	24440.748	612084.40	0.1443	P	0.6
7	☐	50000.000	49076.073	1221104.58	0.2887	A	0.1
8	☐	100000.00	99544.353	2428879.26	0.5845	A	1.3
9	☐	500000.00	500216.08	12365711.30	2.9333	A	0.5

$$y = 5.8621\text{E-}006 * x + 9.7885\text{E-}004$$

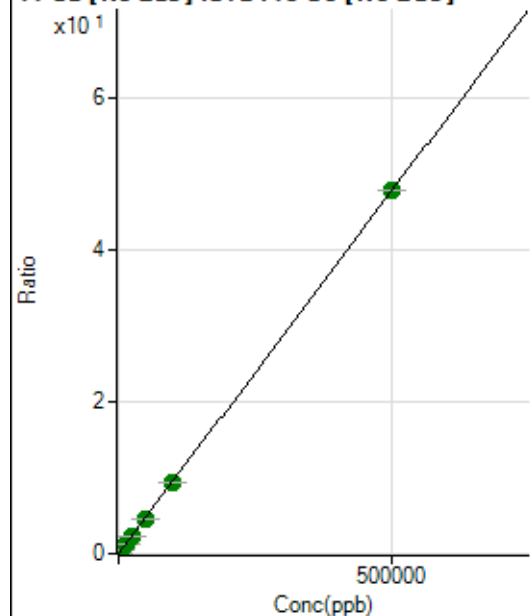
$$R = 1.0000$$

$$DL = 23.96$$

$$BEC = 167$$

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	57722.94	0.0139	P	2.3
2	☐	50.000					
3	☐	500.000	437.946	228862.53	0.0556	P	2.1
4	☐	5000.000	5076.171	2069282.60	0.4977	A	1.4
5	☐	12500.000	12319.950	5032381.19	1.1880	A	1.5
6	☐	25000.000	24396.432	9924912.03	2.3390	A	0.5
7	☐	50000.000	48844.109	19750708.60	4.6691	A	0.4
8	☐	100000.00	98143.689	38923345.66	9.3676	A	1.8
9	☐	500000.00	500520.83	201158503.1	47.7170	A	0.1

$$y = 9.5307\text{E-}005 * x + 0.0139$$

$$R = 1.0000$$

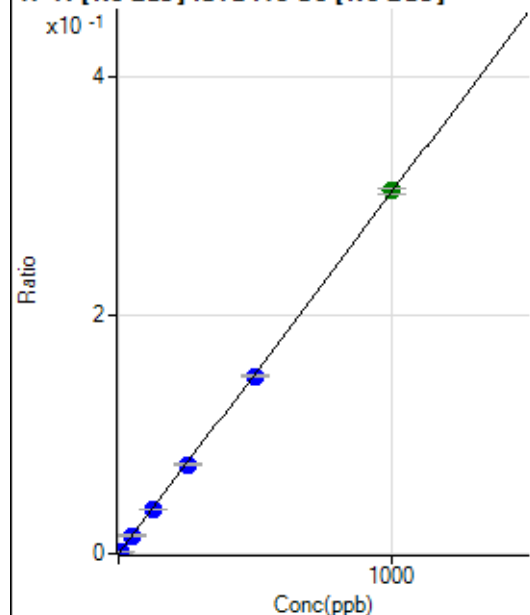
$$DL = 10.19$$

$$BEC = 145.5$$

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	194.46	0.0000	P	24.6
2	☐	0.500					
3	☐	5.000	4.466	5759.75	0.0014	P	1.2
4	☐	50.000	50.294	63519.88	0.0153	P	2.1
5	☐	125.000	123.813	159026.37	0.0375	P	0.2
6	☐	250.000	247.163	317792.56	0.0749	P	0.4
7	☐	500.000	491.800	630198.22	0.1490	P	0.5
8	☐	1000.000	1004.946	1264818.08	0.3044	A	1.5
9	☐			2371.64	0.0006	P	25.5

$$y = 3.0283\text{E-}004 * x + 4.6749\text{E-}005$$

$$R = 0.9999$$

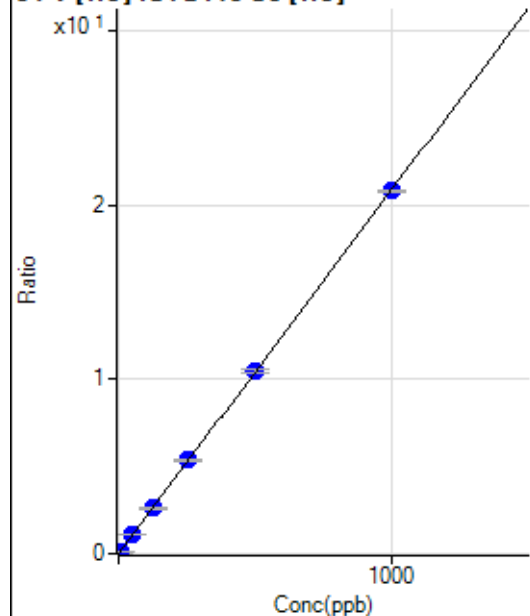
$$DL = 0.114$$

$$BEC = 0.1544$$

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	12.22	0.0003	P	16.6
2	☐	0.500					
3	☐	5.000	4.592	4041.77	0.0960	P	3.8
4	☐	50.000	50.947	45127.06	1.0625	P	0.6
5	☐	125.000	125.102	112068.27	2.6086	P	1.4
6	☐	250.000	257.134	223021.45	5.3615	P	2.6
7	☐	500.000	500.855	435378.98	10.4430	P	1.7
8	☐	1000.000	997.731	850051.02	20.8028	P	0.7
9	☐			567.80	0.0134	P	8.8

$$y = 0.0208 * x + 2.9117\text{E-}004$$

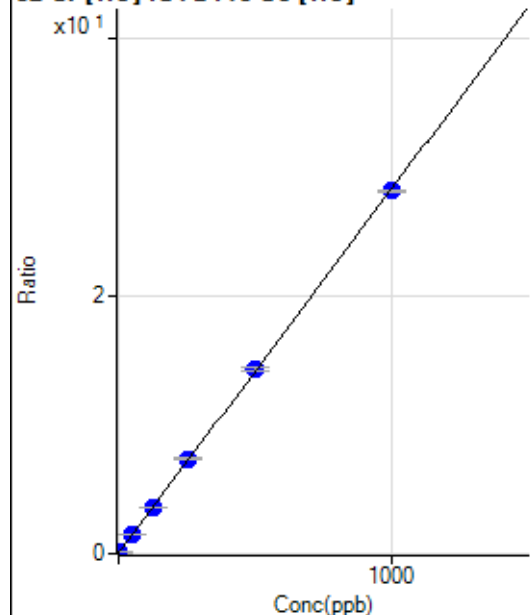
$$R = 1.0000$$

$$DL = 0.006973$$

$$BEC = 0.01397$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1202.29	0.0286	P	2.6
2	☐	0.200					
3	☐	2.000	1.920	3491.61	0.0830	P	1.7
4	☐	50.000	51.125	62685.10	1.4760	P	0.9
5	☐	125.000	127.204	155937.06	3.6298	P	1.3
6	☐	250.000	260.263	307657.62	7.3966	P	2.9
7	☐	500.000	504.065	596107.76	14.2987	P	2.0
8	☐	1000.000	995.070	1152274.28	28.1990	P	0.7
9	☐			37367.74	0.8804	P	1.1

$$y = 0.0283 * x + 0.0286$$

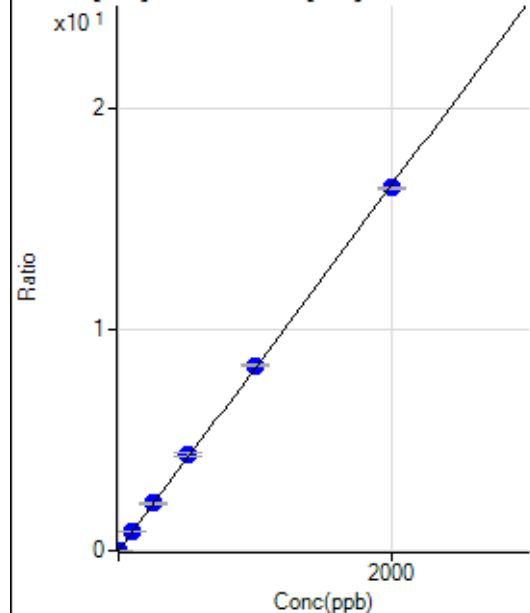
$$R = 0.9999$$

$$DL = 0.07743$$

$$BEC = 1.011$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	52.22	0.0012	P	37.7
2	☐	0.100					
3	☐	1.000	1.127	444.46	0.0106	P	17.4
4	☐	100.000	104.943	36932.25	0.8695	P	0.4
5	☐	250.000	258.296	91863.96	2.1383	P	1.6
6	☐	500.000	525.250	180814.01	4.3471	P	2.9
7	☐	1000.000	1012.953	349481.30	8.3822	P	1.3
8	☐	2000.000	1985.927	671461.27	16.4324	P	0.8
9	☐			4105.12	0.0967	P	1.6

$$y = 0.0083 * x + 0.0012$$

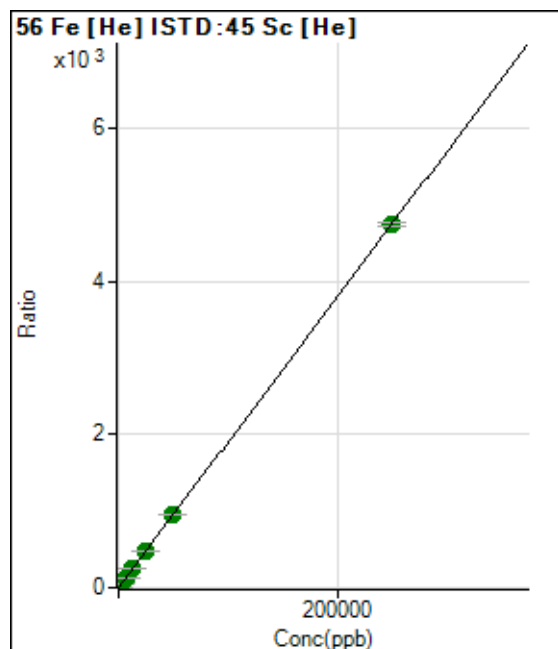
$$R = 0.9999$$

$$DL = 0.1703$$

$$BEC = 0.1505$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2639.21	0.0628	P	0.7
2	☐	5.000					
3	☐	50.000	45.966	39294.79	0.9339	P	1.5
4	☐	2500.000	2640.662	2127879.07	50.1023	A	0.9
5	☐	6250.000	6461.126	5262773.50	122.4986	A	0.7
6	☐	12500.000	13105.131	10332529.74	248.3999	A	2.6
7	☐	25000.000	25396.959	20068595.59	481.3253	A	1.0
8	☐	50000.000	50409.438	39036069.85	955.3020	A	0.6
9	☐	250000.00	249841.47	200967050.7	4,734.461	A	1.0

$$y = 0.0189 * x + 0.0628$$

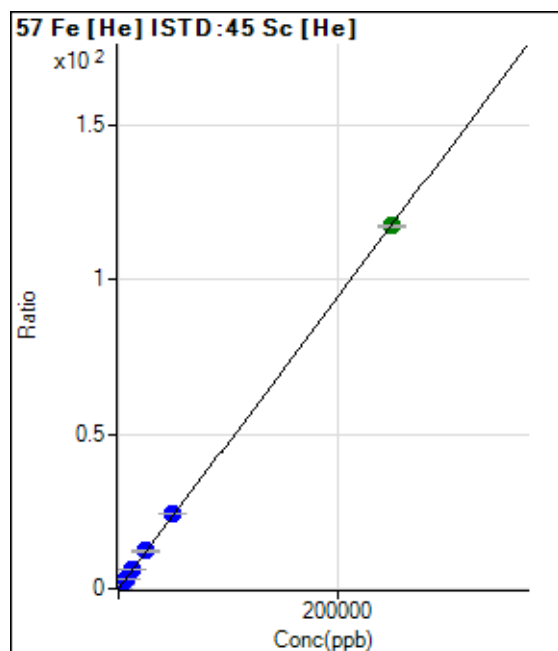
$$R = 1.0000$$

$$DL = 0.07126$$

$$BEC = 3.315$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	74.08	0.0018	P	28.9
2	☐	5.000					
3	☐	50.000	49.146	1046.37	0.0249	P	6.3
4	☐	2500.000	2663.583	53259.39	1.2540	P	0.9
5	☐	6250.000	6535.285	132068.21	3.0742	P	1.5
6	☐	12500.000	13438.883	262869.38	6.3198	P	2.9
7	☐	25000.000	25879.559	507306.33	12.1686	P	2.0
8	☐	50000.000	51156.083	982817.77	24.0519	P	0.6
9	☐	250000.00	249625.11	4981475.86	117.3585	A	0.4

$$y = 4.7013E-004 * x + 0.0018$$

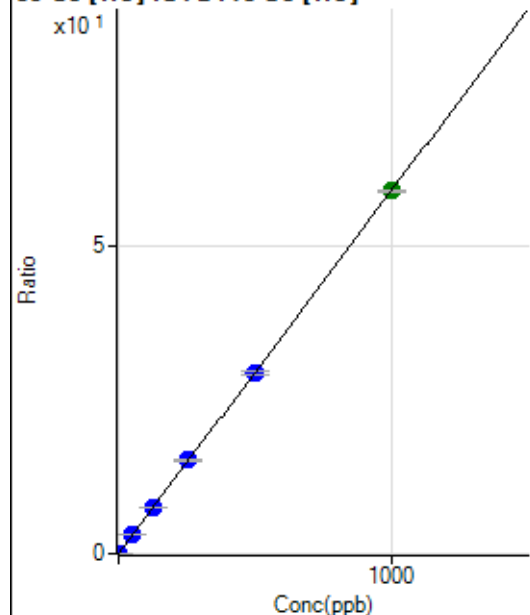
$$R = 1.0000$$

$$DL = 3.246$$

$$BEC = 3.738$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	67.78	0.0016	P	37.5
2	☐	0.100					
3	☐	1.000	0.879	2244.66	0.0533	P	2.4
4	☐	50.000	50.750	126873.20	2.9874	P	1.1
5	☐	125.000	125.341	316867.05	7.3757	P	1.3
6	☐	250.000	257.415	630023.01	15.1460	P	2.6
7	☐	500.000	497.751	1220924.14	29.2856	P	1.9
8	☐	1000.000	999.191	2402181.37	58.7866	A	0.8
9	☐			4247.38	0.1001	P	3.5

$$y = 0.0588 * x + 0.0016$$

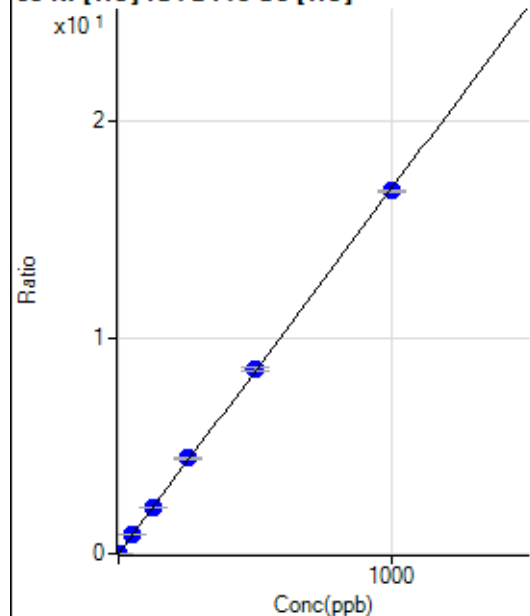
$$R = 1.0000$$

$$DL = 0.03079$$

$$BEC = 0.02739$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	100.00	0.0024	P	13.3
2	☐	0.100					
3	☐	1.000	0.955	778.93	0.0185	P	1.6
4	☐	50.000	52.145	37503.90	0.8831	P	1.7
5	☐	125.000	128.058	93021.39	2.1653	P	1.1
6	☐	250.000	261.391	183746.83	4.4172	P	2.4
7	☐	500.000	505.498	356052.59	8.5401	P	1.6
8	☐	1000.000	993.914	686045.41	16.7893	P	0.7
9	☐			12316.73	0.2902	P	1.0

$$y = 0.0169 * x + 0.0024$$

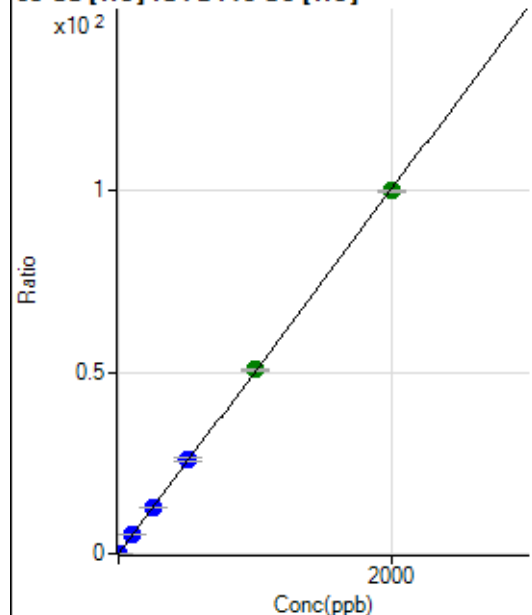
$$R = 0.9999$$

$$DL = 0.05627$$

$$BEC = 0.1409$$

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	327.79	0.0078	P	6.7
2	☐	0.200					
3	☐	2.000	2.055	4668.63	0.1110	P	2.5
4	☐	100.000	102.218	218304.57	5.1402	P	0.9
5	☐	250.000	252.745	545539.80	12.6981	P	0.7
6	☐	500.000	516.342	1078715.79	25.9334	P	2.7
7	☐	1000.000	1010.647	2116122.40	50.7524	A	1.0
8	☐	2000.000	1990.137	4083642.61	99.9327	A	0.5
9	☐			10281.72	0.2422	P	1.4

$$y = 0.0502 * x + 0.0078$$

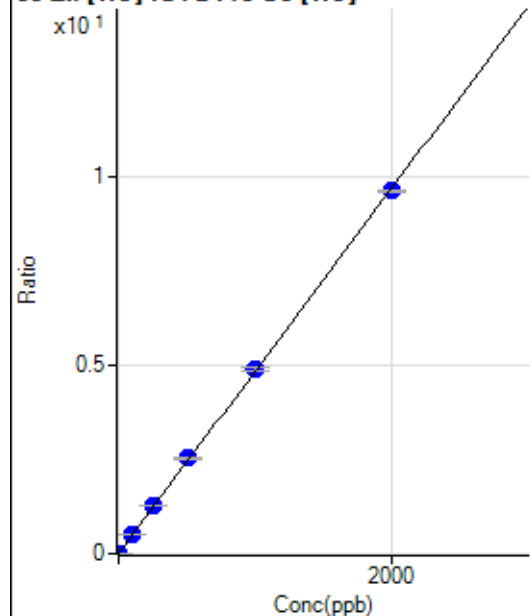
$$R = 0.9999$$

$$DL = 0.03125$$

$$BEC = 0.1554$$

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	51.11	0.0012	P	5.8
2	☐	0.200					
3	☐	2.000	1.948	448.90	0.0107	P	9.7
4	☐	100.000	103.203	21315.47	0.5019	P	0.8
5	☐	250.000	258.723	53976.93	1.2564	P	0.3
6	☐	500.000	522.590	105513.90	2.5365	P	2.3
7	☐	1000.000	1011.833	204698.58	4.9099	P	1.7
8	☐	2000.000	1987.186	393985.32	9.6417	P	0.4
9	☐			6934.07	0.1634	P	1.3

$$y = 0.0049 * x + 0.0012$$

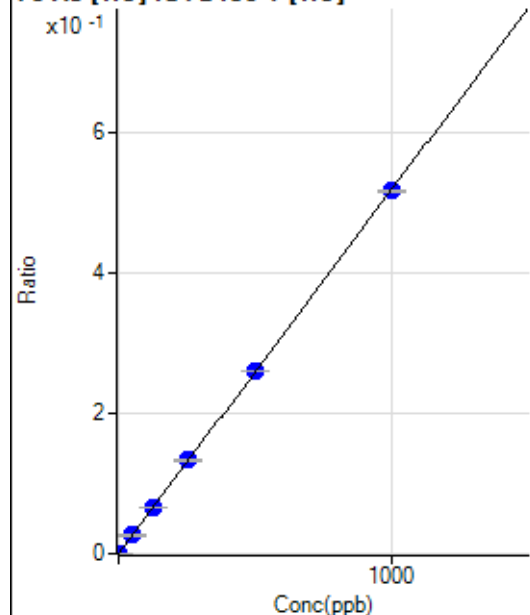
$$R = 0.9999$$

$$DL = 0.04349$$

$$BEC = 0.2506$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	6.18	0.0000	P	16.6
2	☐	0.100					
3	☐	1.000	0.855	135.19	0.0005	P	20.8
4	☐	50.000	50.441	7692.94	0.0262	P	3.5
5	☐	125.000	125.249	19287.61	0.0649	P	0.3
6	☐	250.000	256.328	38492.92	0.1328	P	3.4
7	☐	500.000	502.476	75530.14	0.2604	P	0.4
8	☐	1000.000	997.127	145899.15	0.5167	P	0.4
9	☐			95.68	0.0003	P	16.4

$$y = 5.1814\text{E-}004 * x + 2.1287\text{E-}005$$

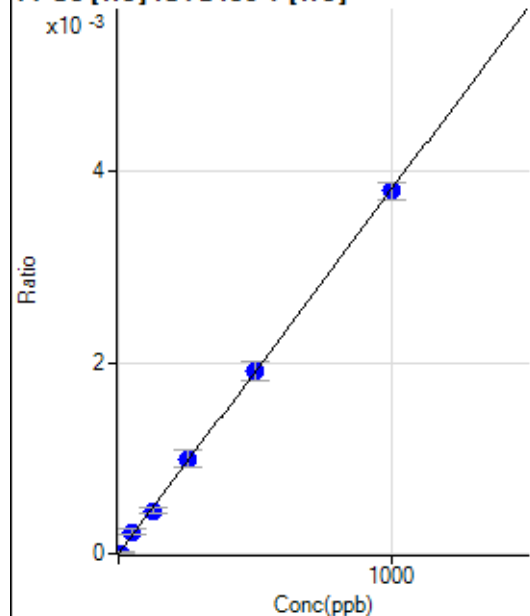
$$R = 1.0000$$

$$DL = 0.02042$$

$$BEC = 0.04108$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	1.996	2.22	0.0000	P	86.6
4	☐	50.000	60.509	67.78	0.0002	P	20.6
5	☐	125.000	117.819	133.34	0.0004	P	10.9
6	☐	250.000	260.317	286.67	0.0010	P	17.9
7	☐	500.000	503.741	556.69	0.0019	P	10.6
8	☐	1000.000	995.937	1071.17	0.0038	P	4.5
9	☐			1.11	0.0000	P	173.

$$y = 3.8091\text{E-}006 * x + 0.0000\text{E+}000$$

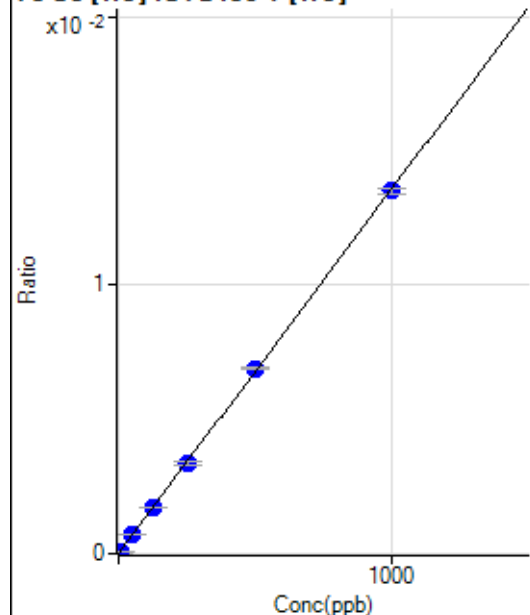
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2.47	0.0000	P	43.8
2	☐	0.500					
3	☐	5.000	4.854	21.60	0.0001	P	13.7
4	☐	50.000	52.658	212.35	0.0007	P	1.3
5	☐	125.000	125.566	508.04	0.0017	P	2.0
6	☐	250.000	248.914	979.67	0.0034	P	4.6
7	☐	500.000	508.711	2002.01	0.0069	P	1.1
8	☐	1000.000	995.713	3812.30	0.0135	P	1.4
9	☐			4.32	0.0000	P	89.1

$$y = 1.3550\text{E-}005 * x + 8.5185\text{E-}006$$

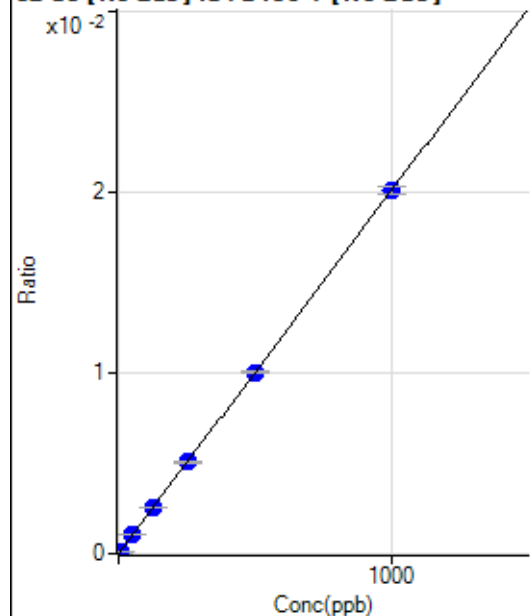
$$R = 0.9999$$

$$DL = 0.8262$$

$$BEC = 0.6287$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-101.38	0.0000	P	-78.
2	☐	0.500					
3	☐	5.000	5.036	606.79	0.0001	P	6.7
4	☐	50.000	52.066	7287.92	0.0010	P	2.8
5	☐	125.000	127.333	18603.93	0.0025	P	1.0
6	☐	250.000	252.645	37206.50	0.0051	P	0.9
7	☐	500.000	499.383	74453.24	0.0100	P	0.4
8	☐	1000.000	999.252	148533.71	0.0201	P	1.9
9	☐			187.45	0.0000	P	70.1

$$y = 2.0107\text{E-}005 * x - 1.4266\text{E-}005$$

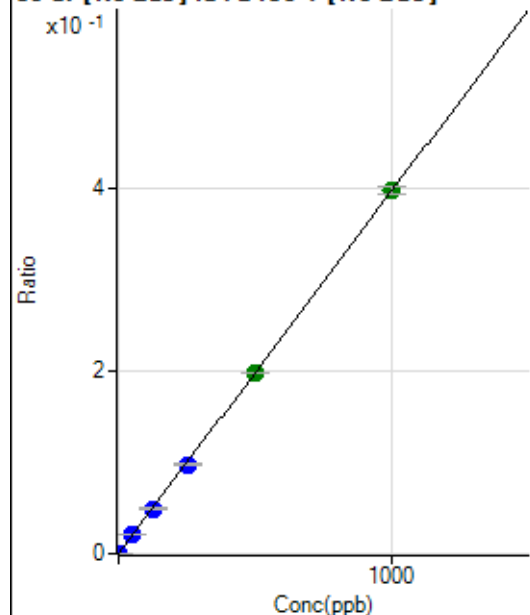
$$R = 1.0000$$

$$DL = 1.68$$

$$BEC = -0.7095$$

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	1519.60	0.0002	P	13.2
2	☐	0.100					
3	☐	1.000	0.961	4164.70	0.0006	P	4.7
4	☐	50.000	50.994	144488.49	0.0205	P	1.2
5	☐	125.000	123.837	360965.81	0.0494	P	0.8
6	☐	250.000	246.281	720047.30	0.0980	P	0.5
7	☐	500.000	499.500	1474746.06	0.1986	A	0.6
8	☐	1000.000	1001.275	2943508.05	0.3979	A	2.2
9	☐			102821.67	0.0139	P	2.1

$$y = 3.9717\text{E-}004 * x + 2.1512\text{E-}004$$

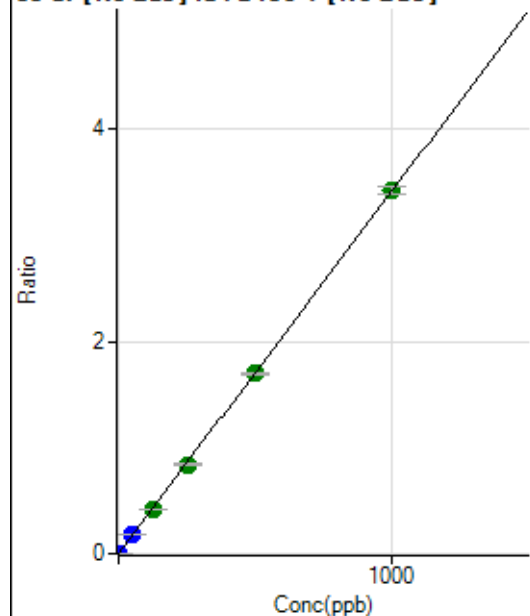
$$R = 1.0000$$

$$DL = 0.2151$$

$$BEC = 0.5416$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	327.80	0.0000	P	17.6
2	☐	0.100					
3	☐	1.000	0.918	22129.73	0.0032	P	3.9
4	☐	50.000	51.005	1227206.89	0.1739	P	1.8
5	☐	125.000	124.615	3103332.16	0.4247	A	0.1
6	☐	250.000	246.856	6179303.78	0.8413	A	0.5
7	☐	500.000	497.399	12586419.90	1.6951	A	0.5
8	☐	1000.000	1002.084	25263072.27	3.4149	A	2.1
9	☐			873833.30	0.1178	P	1.2

$$y = 0.0034 * x + 4.6427\text{E-}005$$

$$R = 1.0000$$

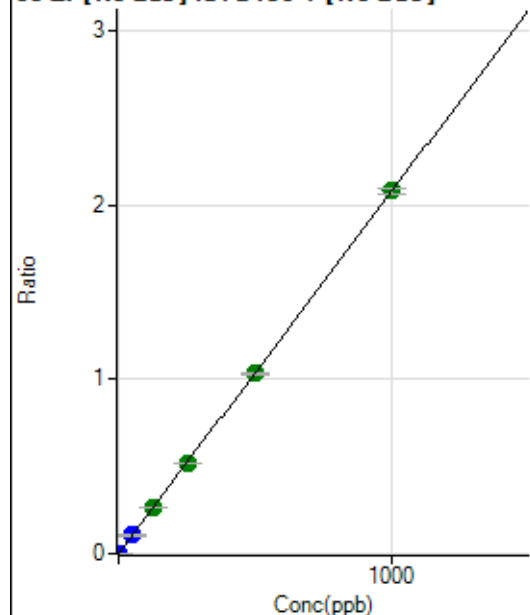
$$DL = 0.007213$$

$$BEC = 0.01362$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	600.18	0.0001	P	33.2
2	☐	0.100					
3	☐	1.000	0.905	13688.02	0.0020	P	7.1
4	☐	50.000	50.815	745412.81	0.1056	P	1.8
5	☐	125.000	125.674	1907524.94	0.2610	A	0.3
6	☐	250.000	248.231	3786717.18	0.5155	A	0.5
7	☐	500.000	497.159	7666201.21	1.0324	A	0.9
8	☐	1000.000	1001.738	15389839.93	2.0802	A	1.7
9	☐			6385.15	0.0009	P	6.2

$$y = 0.0021 * x + 8.5148E-005$$

$$R = 1.0000$$

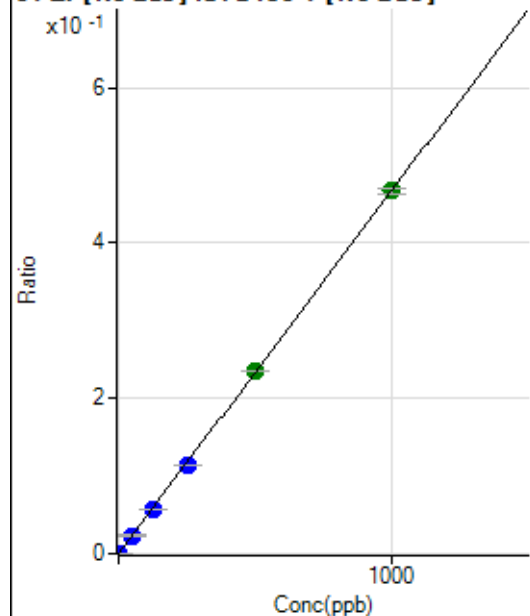
$$DL = 0.0408$$

$$BEC = 0.041$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	113.89	0.0000	P	24.1
2	☐	0.100					
3	☐	1.000	0.895	3028.25	0.0004	P	0.8
4	☐	50.000	50.046	165084.11	0.0234	P	1.9
5	☐	125.000	121.894	416080.01	0.0569	P	1.2
6	☐	250.000	244.589	839076.62	0.1142	P	1.0
7	☐	500.000	503.413	1745808.70	0.2351	A	0.4
8	☐	1000.000	1000.032	3455265.10	0.4670	A	1.8
9	☐			1361.24	0.0002	P	3.8

$$y = 4.6700E-004 * x + 1.6145E-005$$

$$R = 1.0000$$

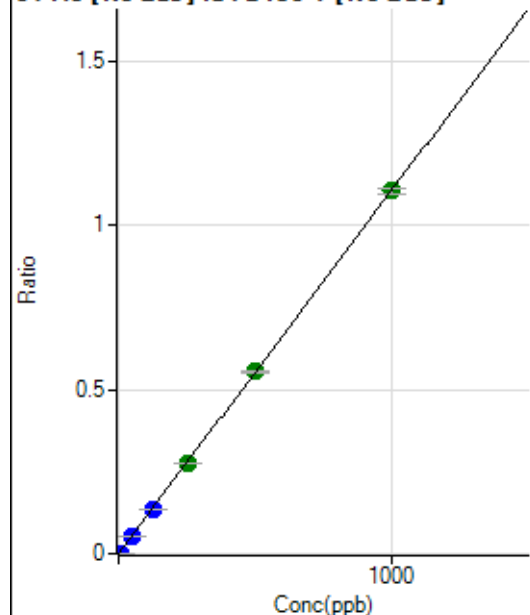
$$DL = 0.02498$$

$$BEC = 0.03457$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	219.46	0.0000	P	22.5
2	☐	0.500					
3	☐	5.000	2.019	15807.02	0.0023	P	3.3
4	☐	50.000	49.771	389244.61	0.0551	P	1.7
5	☐	125.000	122.722	993220.42	0.1359	P	0.3
6	☐	250.000	249.789	2031861.03	0.2766	A	0.9
7	☐	500.000	502.313	4130401.13	0.5563	A	1.2
8	☐	1000.000	999.207	8185757.91	1.1065	A	1.9
9	☐			14778.11	0.0020	P	2.3

$$y = 0.0011 * x + 3.1099E-005$$

$$R = 1.0000$$

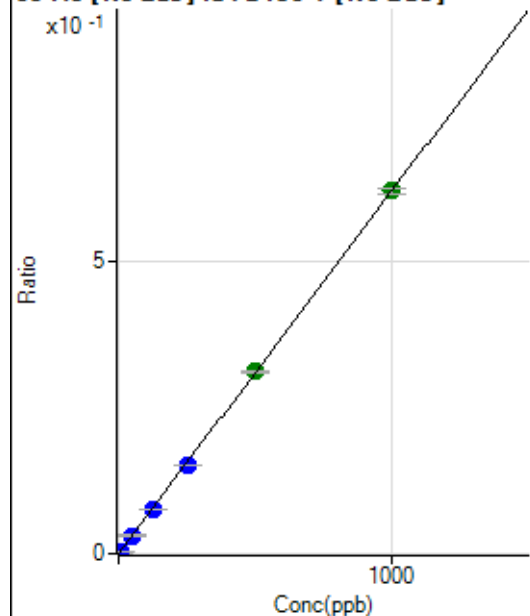
$$DL = 0.01895$$

$$BEC = 0.02808$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	15.7
2	☐	0.500					
3	☐	5.000	4.305	18724.82	0.0027	P	3.4
4	☐	50.000	49.911	218882.47	0.0310	P	2.5
5	☐	125.000	121.761	552711.73	0.0756	P	0.9
6	☐	250.000	242.492	1106360.57	0.1506	P	0.8
7	☐	500.000	502.061	2315491.28	0.3119	A	1.6
8	☐	1000.000	1001.259	4601089.69	0.6219	A	1.7
9	☐			22040.97	0.0030	P	1.4

$$y = 6.2112E-004 * x + 1.0993E-005$$

$$R = 1.0000$$

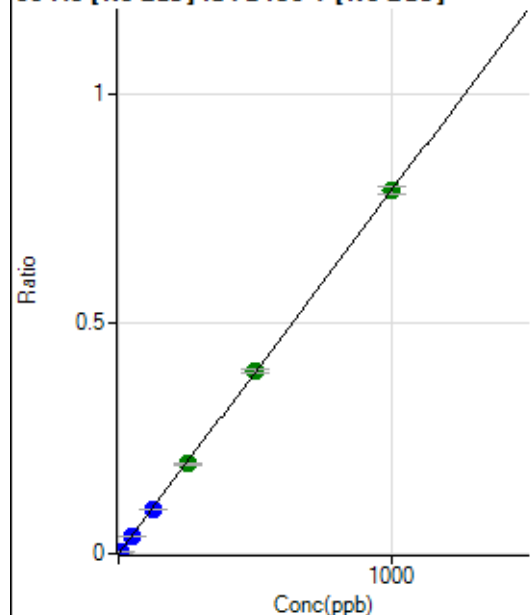
$$DL = 0.008322$$

$$BEC = 0.0177$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	158.34	0.0000	P	22.8
2	☐	0.500					
3	☐	5.000	3.750	20814.04	0.0030	P	2.1
4	☐	50.000	49.647	276928.34	0.0392	P	1.5
5	☐	125.000	121.961	703989.59	0.0963	P	0.6
6	☐	250.000	246.554	1430350.90	0.1947	A	1.0
7	☐	500.000	503.754	2954193.99	0.3979	A	1.3
8	☐	1000.000	999.388	5839058.21	0.7893	A	2.2
9	☐			26240.14	0.0035	P	4.0

$$y = 7.8976E-004 * x + 2.2337E-005$$

$$R = 1.0000$$

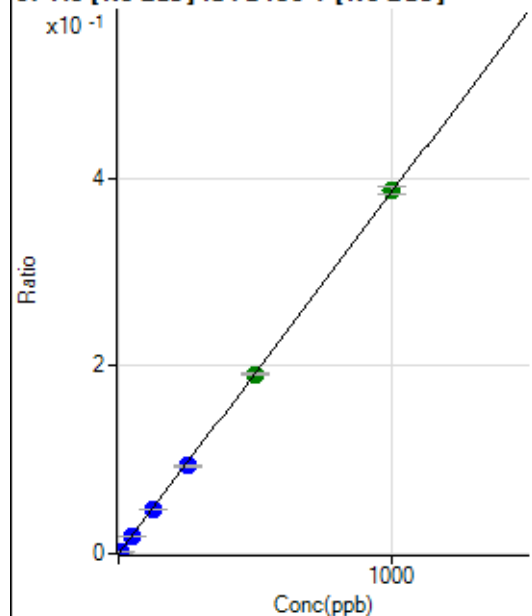
$$DL = 0.01938$$

$$BEC = 0.02828$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	66.67	0.0000	P	25.1
2	☐	0.500					
3	☐	5.000	4.326	11694.44	0.0017	P	2.7
4	☐	50.000	49.421	134503.84	0.0191	P	1.4
5	☐	125.000	121.139	341185.42	0.0467	P	0.4
6	☐	250.000	242.459	686370.48	0.0934	P	0.3
7	☐	500.000	496.665	1421307.99	0.1914	A	0.7
8	☐	1000.000	1004.068	2862584.59	0.3869	A	2.1
9	☐			13309.98	0.0018	P	4.0

$$y = 3.8536E-004 * x + 9.4334E-006$$

$$R = 1.0000$$

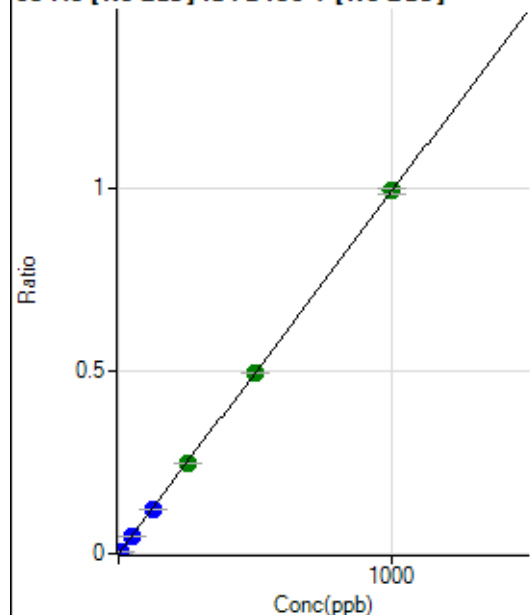
$$DL = 0.01843$$

$$BEC = 0.02448$$

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	80.56	0.0000	P	17.0
2	☐	0.500					
3	☐	5.000	4.395	30499.20	0.0044	P	2.4
4	☐	50.000	49.735	348442.41	0.0494	P	1.1
5	☐	125.000	121.367	880049.47	0.1204	P	0.7
6	☐	250.000	248.856	1813811.63	0.2469	A	1.3
7	☐	500.000	497.814	3667964.01	0.4940	A	0.4
8	☐	1000.000	1001.849	7354818.31	0.9941	A	1.3
9	☐			34812.62	0.0047	P	0.5

$$y = 9.9225\text{E-}004 * x + 1.1407\text{E-}005$$

$$R = 1.0000$$

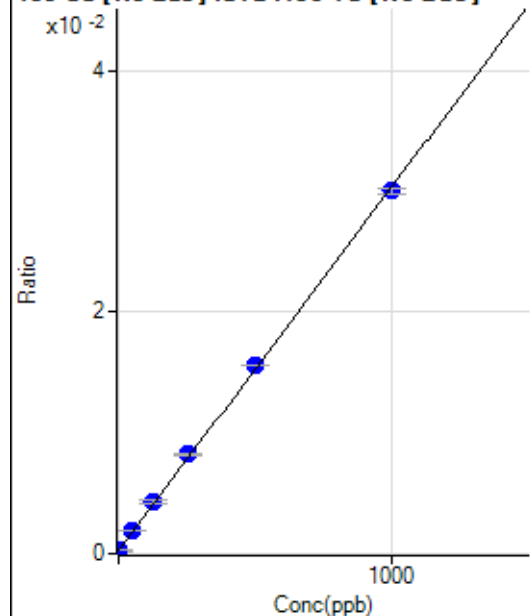
$$DL = 0.005877$$

$$BEC = 0.0115$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1644.63	0.0002	P	7.9
2	☐	0.100					
3	☐	1.000	0.750	1775.20	0.0003	P	4.6
4	☐	50.000	55.741	13234.87	0.0019	P	2.7
5	☐	125.000	134.152	30157.01	0.0043	P	4.8
6	☐	250.000	264.806	59457.05	0.0082	P	1.4
7	☐	500.000	509.350	117838.15	0.0156	P	0.5
8	☐	1000.000	990.193	237365.93	0.0301	P	1.4
9	☐			1772.43	0.0002	P	0.9

$$y = 3.0119\text{E-}005 * x + 2.4023\text{E-}004$$

$$R = 0.9998$$

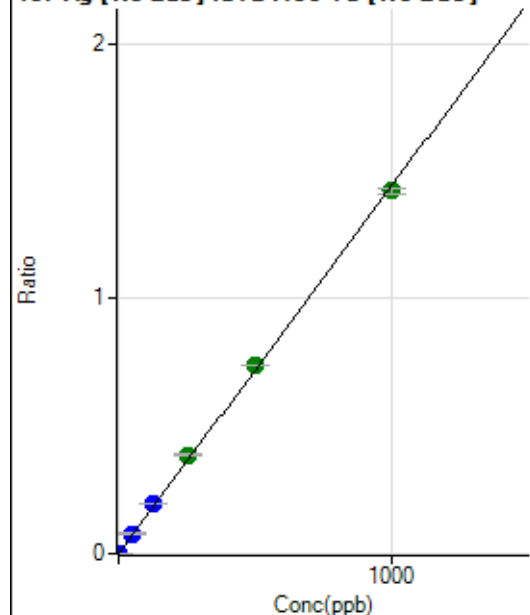
$$DL = 1.9$$

$$BEC = 7.976$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	44.45	0.0000	P	28.1
2	☐	0.100					
3	☐	1.000	1.289	12592.62	0.0019	P	2.7
4	☐	50.000	54.883	545939.52	0.0792	P	1.2
5	☐	125.000	135.187	1374006.87	0.1950	P	1.2
6	☐	250.000	268.477	2802636.95	0.3873	A	1.1
7	☐	500.000	513.634	5603168.62	0.7409	A	0.2
8	☐	1000.000	987.046	11241010.49	1.4238	A	1.3
9	☐			2542.04	0.0003	P	5.9

$$y = 0.0014 * x + 6.4854E-006$$

$$R = 0.9997$$

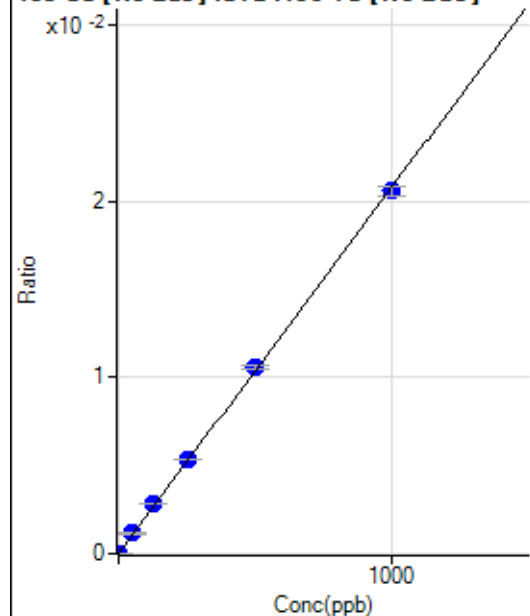
$$DL = 0.00379$$

$$BEC = 0.004496$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8.34	0.0000	P	87.9
2	☐	0.100					
3	☐	1.000	1.289	188.90	0.0000	P	3.4
4	☐	50.000	55.947	8012.28	0.0012	P	3.9
5	☐	125.000	134.990	19745.33	0.0028	P	1.2
6	☐	250.000	258.133	38772.61	0.0054	P	1.5
7	☐	500.000	510.259	80077.66	0.0106	P	1.6
8	☐	1000.000	991.291	162390.80	0.0206	P	2.3
9	☐			52.78	0.0000	P	20.1

$$y = 2.0750E-005 * x + 1.2271E-006$$

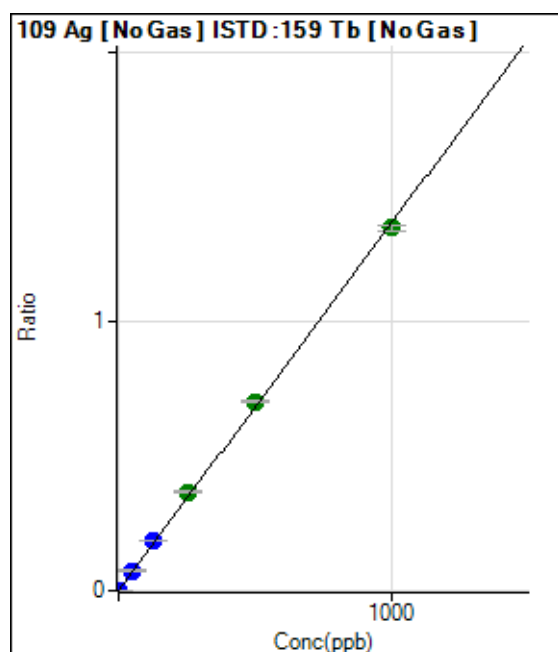
$$R = 0.9999$$

$$DL = 0.156$$

$$BEC = 0.05914$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.12	0.0000	P	7.1
2	☐	0.100					
3	☐	1.000	1.255	11616.60	0.0017	P	2.3
4	☐	50.000	54.862	516112.44	0.0748	P	1.7
5	☐	125.000	135.600	1303465.22	0.1850	P	1.5
6	☐	250.000	268.609	2652083.02	0.3664	A	0.7
7	☐	500.000	514.066	5303503.81	0.7013	A	0.7
8	☐	1000.000	986.746	10627534.09	1.3461	A	1.6
9	☐			2472.56	0.0003	P	3.1

$$y = 0.0014 * x + 8.9205E-006$$

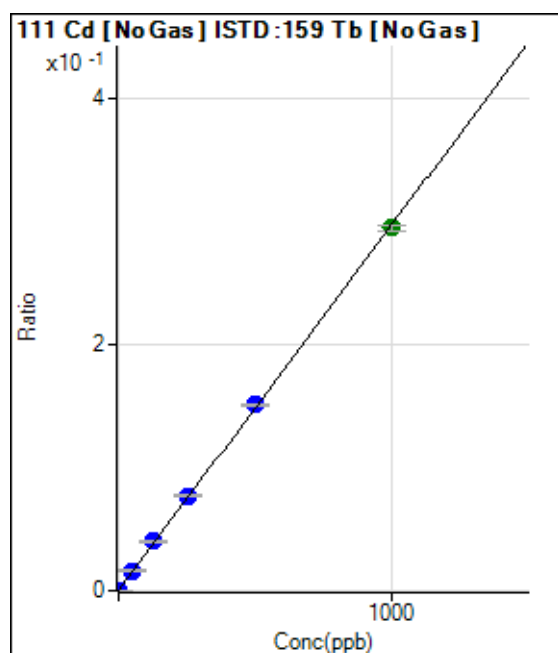
$$R = 0.9996$$

$$DL = 0.001397$$

$$BEC = 0.006539$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1157.90	0.0002	P	8.0
2	☐	0.100					
3	☐	1.000	0.928	3006.43	0.0004	P	4.2
4	☐	50.000	54.130	112155.59	0.0163	P	2.3
5	☐	125.000	134.104	282190.61	0.0401	P	1.6
6	☐	250.000	259.272	559236.47	0.0773	P	1.2
7	☐	500.000	507.756	1143285.00	0.1512	P	0.5
8	☐	1000.000	992.460	2331639.82	0.2953	A	1.3
9	☐			1803.78	0.0002	P	5.9

$$y = 2.9739E-004 * x + 1.6912E-004$$

$$R = 0.9999$$

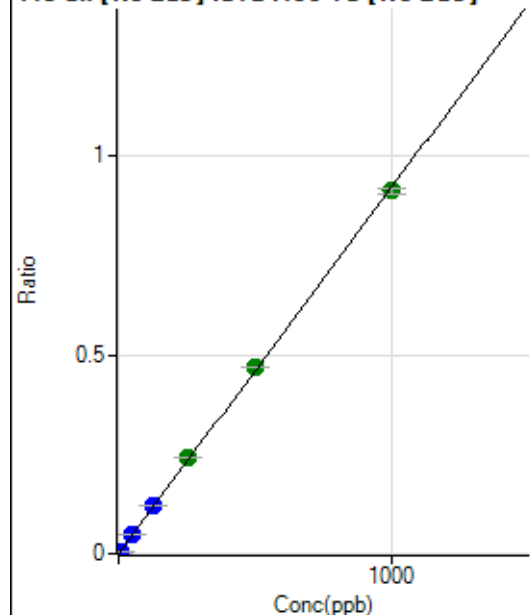
$$DL = 0.1363$$

$$BEC = 0.5687$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	761.34	0.0001	P	17.5
2	☐	0.500					
3	☐	5.000	4.694	29917.85	0.0044	P	0.5
4	☐	50.000	53.087	337627.61	0.0490	P	2.0
5	☐	125.000	132.716	861404.55	0.1222	P	0.4
6	☐	250.000	261.884	1745031.62	0.2411	A	0.6
7	☐	500.000	510.577	3554476.21	0.4700	A	0.4
8	☐	1000.000	990.623	7198757.71	0.9118	A	1.4
9	☐			10198.79	0.0013	P	3.5

$$y = 9.2029\text{E-}004 * x + 1.1133\text{E-}004$$

$$R = 0.9998$$

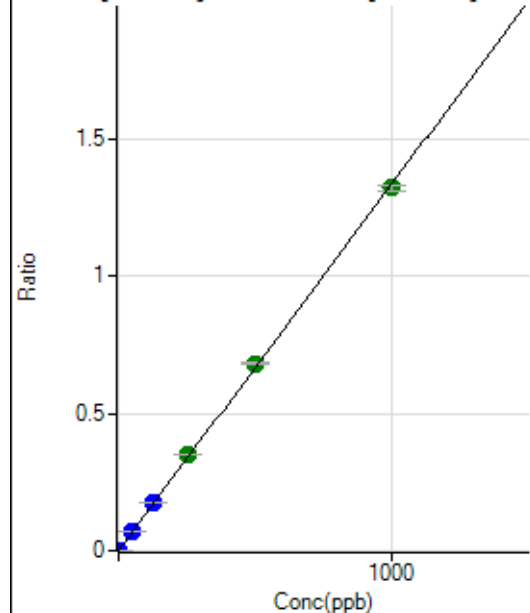
$$DL = 0.06338$$

$$BEC = 0.121$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	44.45	0.0000	P	65.3
2	☐	0.200					
3	☐	2.000	1.920	17325.84	0.0026	P	3.2
4	☐	50.000	52.922	486573.30	0.0706	P	2.2
5	☐	125.000	132.101	1241174.87	0.1761	P	0.7
6	☐	250.000	261.369	2522143.48	0.3485	A	1.1
7	☐	500.000	511.495	5157899.99	0.6820	A	0.6
8	☐	1000.000	990.377	10425718.38	1.3206	A	1.7
9	☐			26104.32	0.0034	P	2.1

$$y = 0.0013 * x + 6.4907\text{E-}006$$

$$R = 0.9998$$

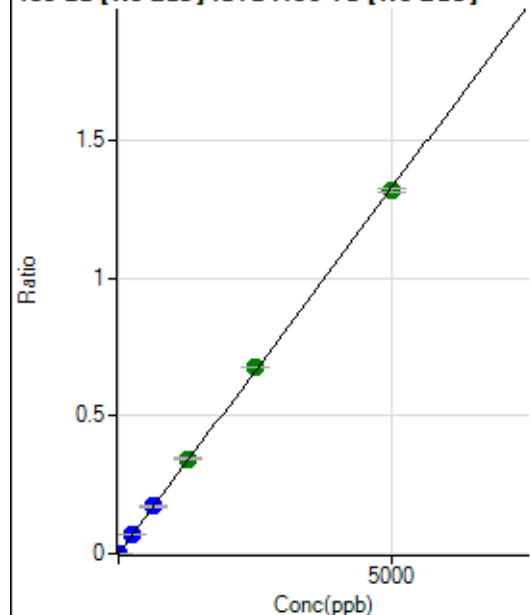
$$DL = 0.009543$$

$$BEC = 0.004868$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52.78	0.0000	P	18.8
2	☐	1.000					
3	☐	10.000	9.314	16716.77	0.0025	P	2.8
4	☐	250.000	261.898	478680.41	0.0694	P	2.0
5	☐	625.000	647.007	1208383.96	0.1715	P	1.7
6	☐	1250.000	1297.009	2487972.54	0.3438	A	1.1
7	☐	2500.000	2544.734	5101184.53	0.6745	A	0.1
8	☐	5000.000	4962.536	10385933.57	1.3154	A	0.9
9	☐			5832.13	0.0008	P	3.8

$$y = 2.6506E-004 * x + 7.7130E-006$$

$$R = 0.9999$$

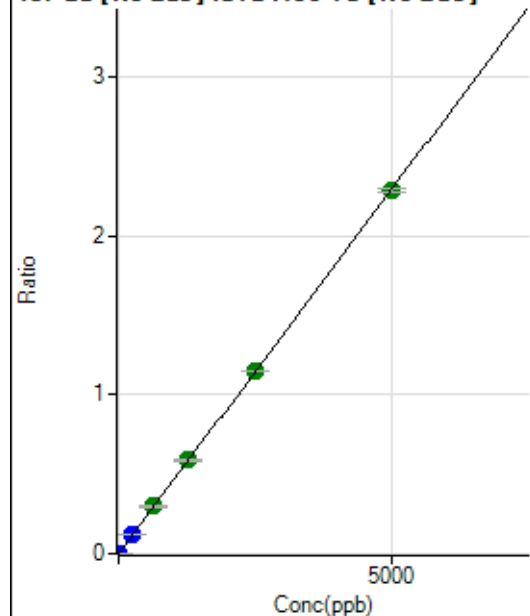
$$DL = 0.01641$$

$$BEC = 0.0291$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.45	0.0000	P	14.8
2	☐	1.000					
3	☐	10.000	9.397	29149.80	0.0043	P	3.0
4	☐	250.000	261.633	826405.06	0.1199	P	2.5
5	☐	625.000	647.938	2091404.99	0.2968	A	1.8
6	☐	1250.000	1286.478	4264896.80	0.5893	A	1.4
7	☐	2500.000	2510.605	8697939.78	1.1501	A	0.5
8	☐	5000.000	4982.131	18020084.25	2.2823	A	1.2
9	☐			10187.69	0.0013	P	3.6

$$y = 4.5809E-004 * x + 1.3807E-005$$

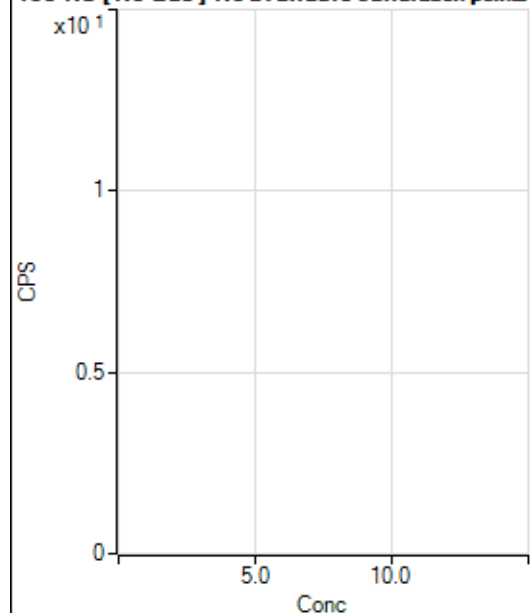
$$R = 1.0000$$

$$DL = 0.01342$$

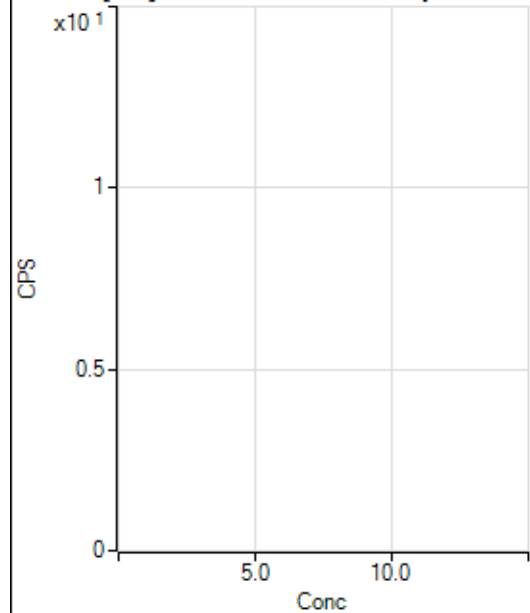
$$BEC = 0.03014$$

Weight: <None>

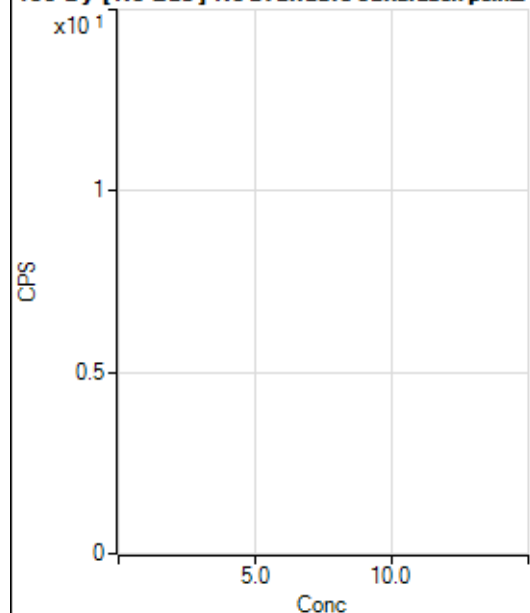
Min Conc: 0

150 Nd [No Gas] No available calibration points

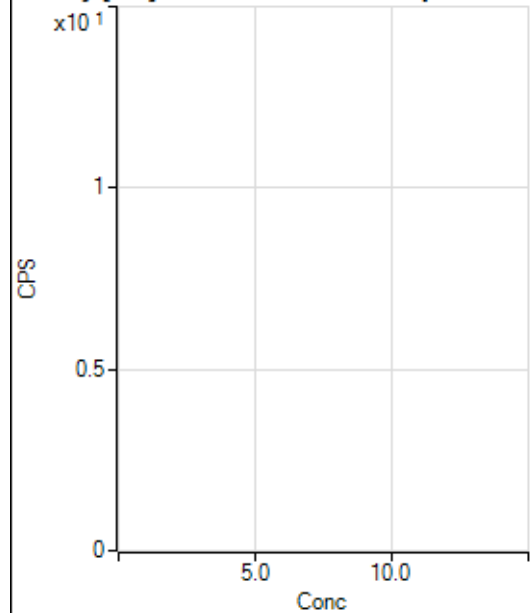
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			15.56		P	107.
2	☐						
3	☐			26.67		P	50.0
4	☐			26.67		P	43.3
5	☐			46.67		P	49.5
6	☐			100.00		P	26.7
7	☐			226.68		P	7.8
8	☐			344.46		P	11.3
9	☐			142.23		P	18.9

150 Nd [He] No available calibration points

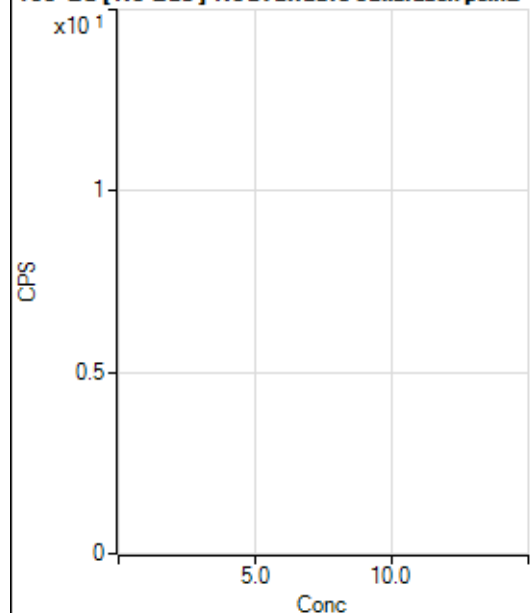
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			1.11		P	173.
5	☐			0.00		P	
6	☐			3.33		P	100.
7	☐			8.89		P	57.3
8	☐			8.89		P	21.6
9	☐			25.56		P	7.5

156 Dy [No Gas] No available calibration points

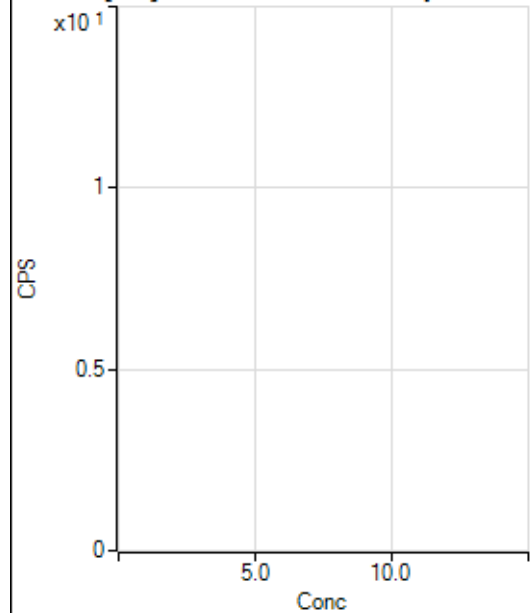
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	33.3
2	☐						
3	☐			13.89		P	124.
4	☐			13.89		P	69.3
5	☐			41.67		P	20.0
6	☐			58.33		P	37.8
7	☐			91.67		P	31.5
8	☐			183.34		P	16.4
9	☐			113.90		P	16.9

156 Dy [He] No available calibration points

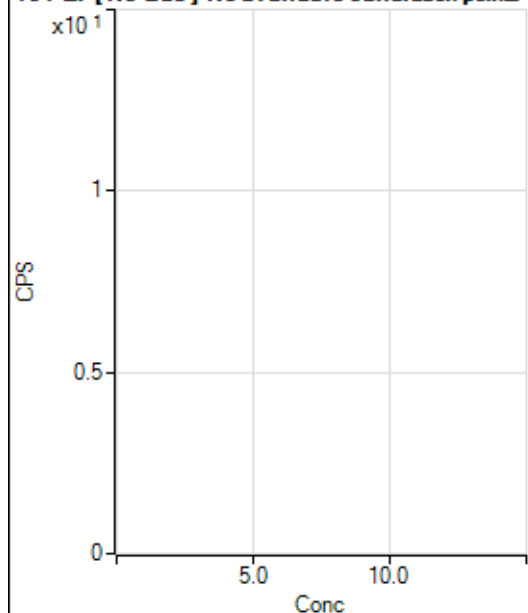
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐						
3	☐			3.33		P	173.
4	☐			3.33		P	173.
5	☐			0.00		P	
6	☐			6.66		P	86.6
7	☐			13.34		P	43.3
8	☐			10.00		P	57.7
9	☐			37.78		P	43.5

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

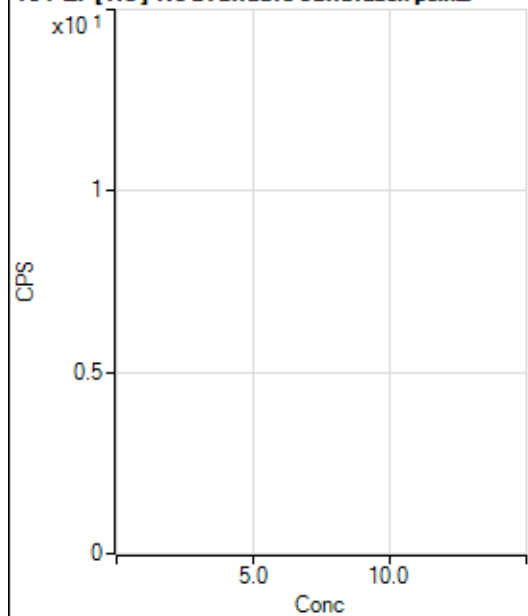
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50.00		P	72.7
2	☐						
3	☐			75.00		P	22.2
4	☐			55.56		P	34.6
5	☐			77.78		P	16.4
6	☐			86.12		P	14.8
7	☐			80.56		P	33.3
8	☐			130.56		P	14.7
9	☐			147.23		P	11.8

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			17.78		P	21.7
2	☐						
3	☐			14.44		P	13.4
4	☐			16.67		P	52.9
5	☐			10.00		P	57.7
6	☐			10.00		P	33.3
7	☐			20.00		P	60.1
8	☐			25.56		P	39.8
9	☐			46.67		P	37.1

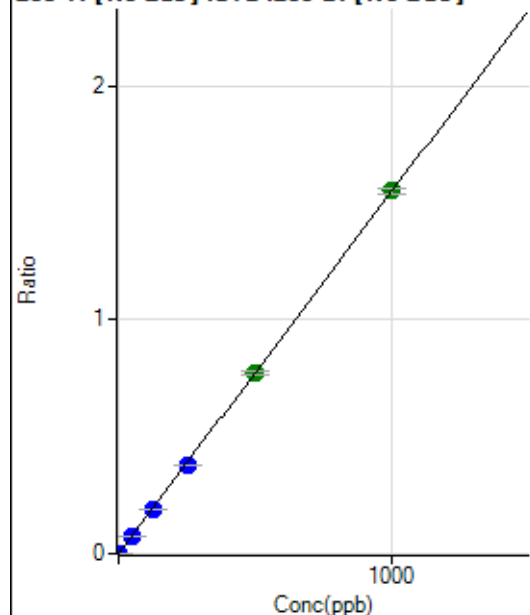
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	56.8
2	☐						
3	☐			19.45		P	24.7
4	☐			50.00		P	44.1
5	☐			41.67		P	20.0
6	☐			41.67		P	40.0
7	☐			38.89		P	32.7
8	☐			80.56		P	36.3
9	☐			94.45		P	31.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐						
3	☐			7.78		P	89.2
4	☐			8.89		P	108.
5	☐			7.78		P	49.5
6	☐			5.56		P	34.7
7	☐			5.56		P	34.7
8	☐			16.67		P	20.0
9	☐			25.55		P	27.1

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	30.4
2	☐	0.100					
3	☐	1.000	0.921	5176.34	0.0014	P	3.5
4	☐	50.000	49.465	283405.67	0.0765	P	1.1
5	☐	125.000	122.530	716414.22	0.1895	P	1.5
6	☐	250.000	244.476	1454406.01	0.3780	P	1.0
7	☐	500.000	498.095	3114573.29	0.7701	A	2.4
8	☐	1000.000	1002.669	6465741.47	1.5502	A	1.7
9	☐			4109.21	0.0011	P	1.9

$$y = 0.0015 * x + 2.1090E-005$$

$$R = 1.0000$$

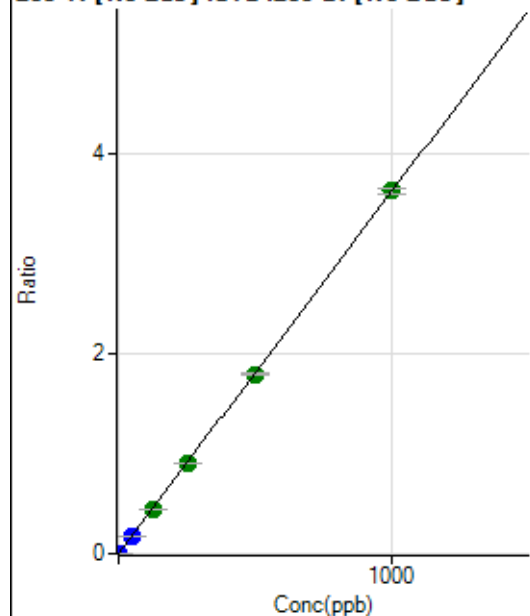
$$DL = 0.01245$$

$$BEC = 0.01364$$

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	161.12	0.0000	P	26.5
2	☐	0.100					
3	☐	1.000	0.925	12170.26	0.0034	P	3.7
4	☐	50.000	50.079	673002.31	0.1816	P	0.6
5	☐	125.000	123.741	1697031.11	0.4488	A	0.9
6	☐	250.000	249.067	3475426.55	0.9033	A	1.1
7	☐	500.000	495.119	7262196.69	1.7955	A	1.4
8	☐	1000.000	1002.828	15168358.67	3.6367	A	1.6
9	☐			9946.00	0.0026	P	2.9

$$y = 0.0036 * x + 4.3746E-005$$

$$R = 1.0000$$

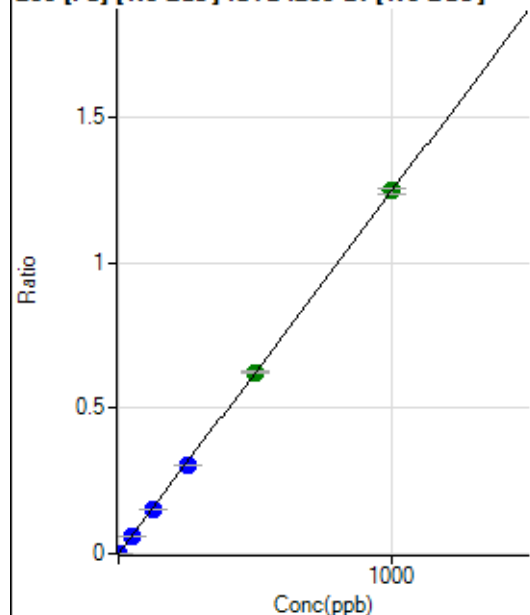
$$DL = 0.009576$$

$$BEC = 0.01206$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	237.05	0.0001	P	11.4
2	☐	0.100					
3	☐	1.000	1.019	4776.98	0.0013	P	5.3
4	☐	50.000	49.320	228033.53	0.0615	P	0.6
5	☐	125.000	122.537	577870.81	0.1528	P	1.5
6	☐	250.000	244.023	1170697.20	0.3043	P	1.0
7	☐	500.000	500.802	2525231.77	0.6244	A	1.4
8	☐	1000.000	1001.435	5207258.16	1.2484	A	1.4
9	☐			11259.01	0.0029	P	2.9

$$y = 0.0012 * x + 6.4340E-005$$

$$R = 1.0000$$

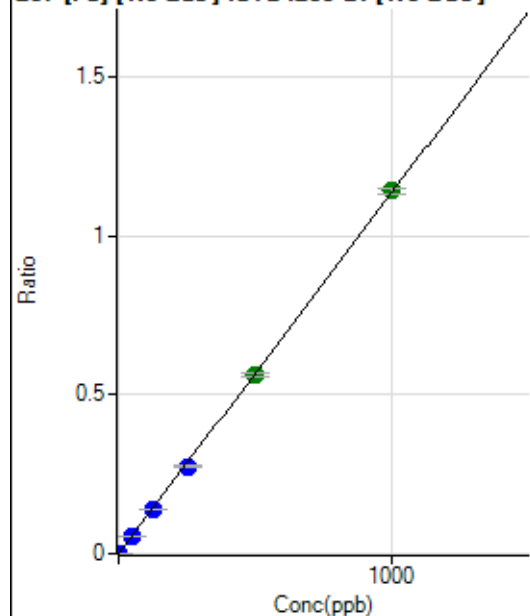
$$DL = 0.01763$$

$$BEC = 0.05161$$

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	231.49	0.0001	P	4.3
2	☐	0.100					
3	☐	1.000	0.990	4247.13	0.0012	P	3.2
4	☐	50.000	49.033	206256.75	0.0557	P	0.9
5	☐	125.000	121.037	519292.26	0.1373	P	1.8
6	☐	250.000	241.690	1054895.67	0.2742	P	1.1
7	☐	500.000	494.775	2269815.99	0.5612	A	1.7
8	☐	1000.000	1005.234	4755242.24	1.1401	A	1.7
9	☐			9470.50	0.0024	P	1.3

$$y = 0.0011 * x + 6.2863E-005$$

$$R = 0.9999$$

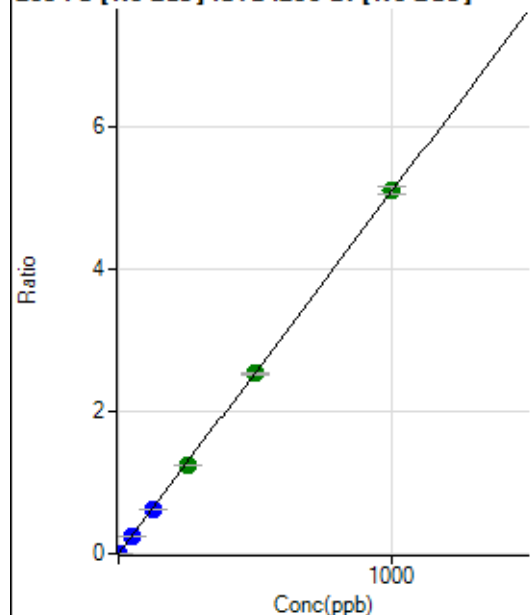
$$DL = 0.007113$$

$$BEC = 0.05543$$

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	1024.12	0.0003	P	3.0
2	☐	0.100					
3	☐	1.000	1.025	19628.85	0.0055	P	2.3
4	☐	50.000	49.119	924707.00	0.2496	P	0.8
5	☐	125.000	121.716	2337184.81	0.6181	P	1.3
6	☐	250.000	245.882	4803194.72	1.2483	A	0.7
7	☐	500.000	497.967	10224330.58	2.5278	A	0.8
8	☐	1000.000	1002.500	21223383.29	5.0886	A	2.0
9	☐			44294.53	0.0114	P	1.3

$$y = 0.0051 * x + 2.7804E-004$$

$$R = 1.0000$$

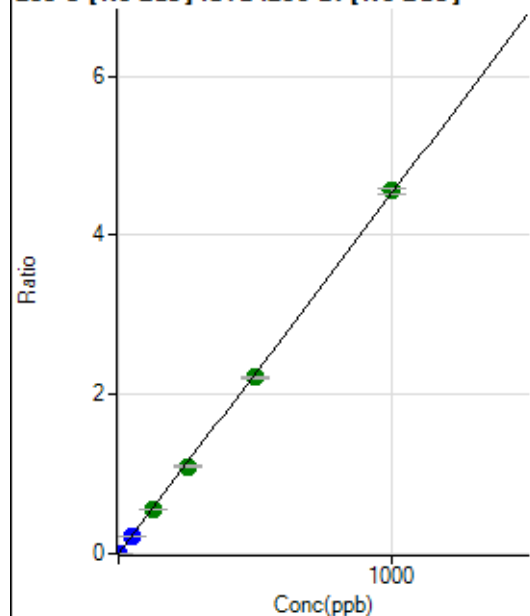
$$DL = 0.004868$$

$$BEC = 0.05478$$

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	102.78	0.0000	P	36.0
2	☐	0.100					
3	☐	1.000	0.899	14653.65	0.0041	P	3.3
4	☐	50.000	48.160	806808.46	0.2178	P	1.9
5	☐	125.000	122.160	2088842.58	0.5524	A	0.5
6	☐	250.000	242.067	4211518.19	1.0945	A	1.2
7	☐	500.000	489.771	8957184.14	2.2145	A	0.6
8	☐	1000.000	1007.545	19001213.97	4.5556	A	1.7
9	☐			5343.07	0.0014	P	2.6

$$y = 0.0045 * x + 2.7863E-005$$

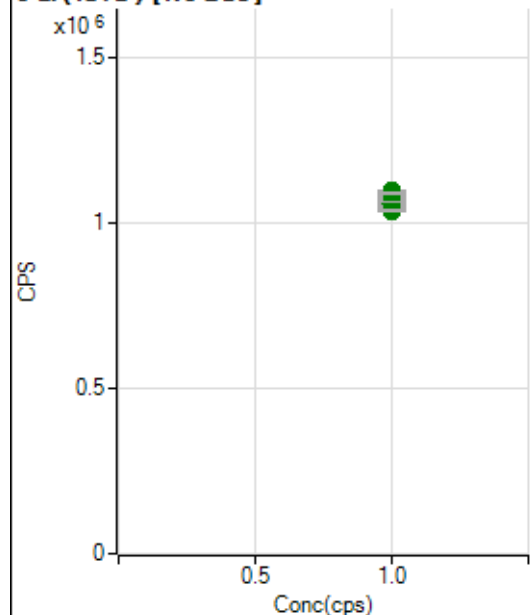
$$R = 0.9999$$

$$DL = 0.006657$$

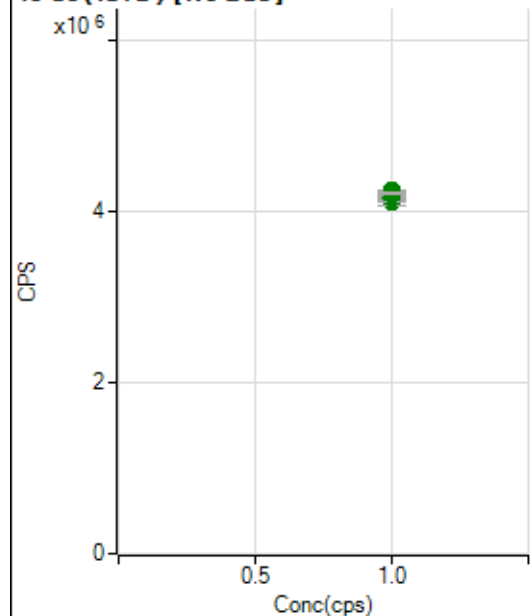
$$BEC = 0.006162$$

Weight: <None>

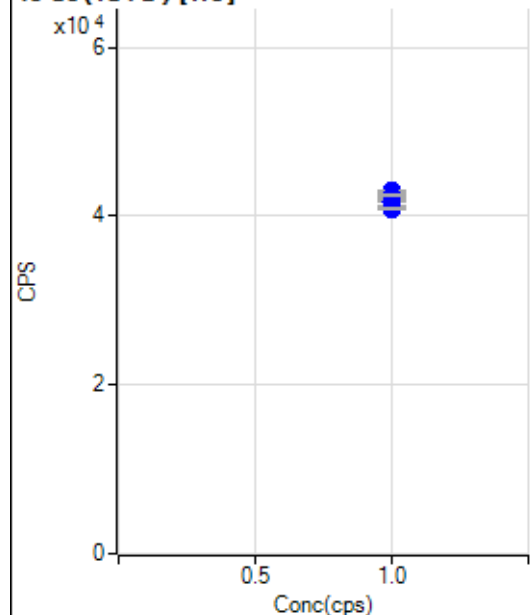
Min Conc: 0

6 Li (ISTD) [No Gas]

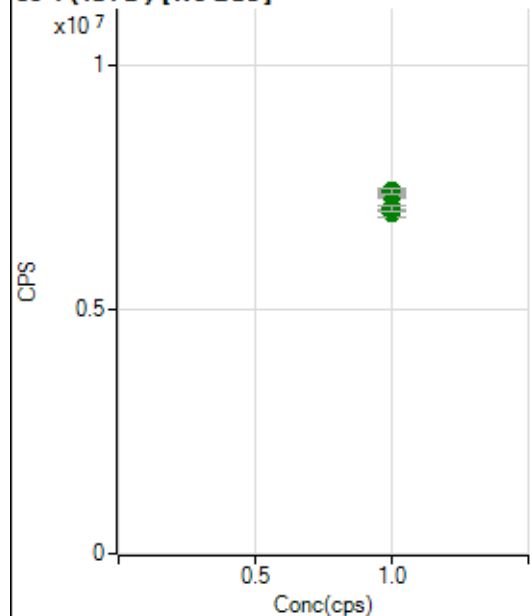
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1060945.99		A	1.0
2	☐	1.000					
3	☐	1.000		1056432.48		A	2.8
4	☐	1.000		1066847.93		A	1.4
5	☐	1.000		1087674.11		A	0.6
6	☐	1.000		1097224.33		A	0.7
7	☐	1.000		1088875.22		A	0.8
8	☐	1.000		1056273.87		A	1.7
9	☐	1.000		1037369.81		A	0.4

45 Sc (ISTD) [No Gas]

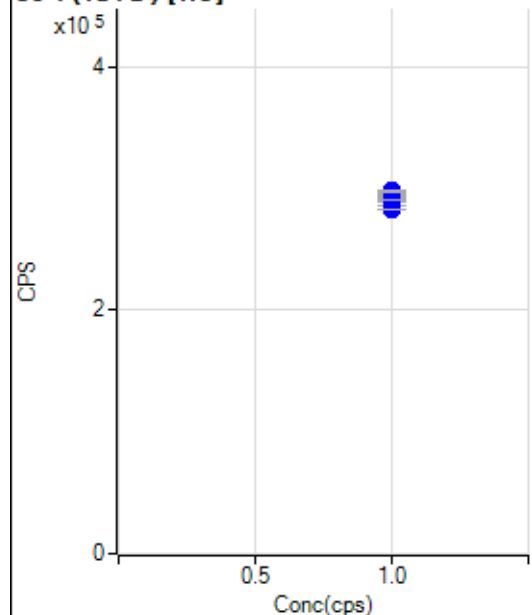
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4161242.71		A	0.4
2	☐	1.000					
3	☐	1.000		4116420.23		A	1.8
4	☐	1.000		4158317.50		A	0.9
5	☐	1.000		4236123.97		A	0.7
6	☐	1.000		4243247.62		A	0.6
7	☐	1.000		4230164.46		A	0.6
8	☐	1.000		4155989.07		A	1.8
9	☐	1.000		4215645.97		A	0.3

45 Sc (ISTD) [He]

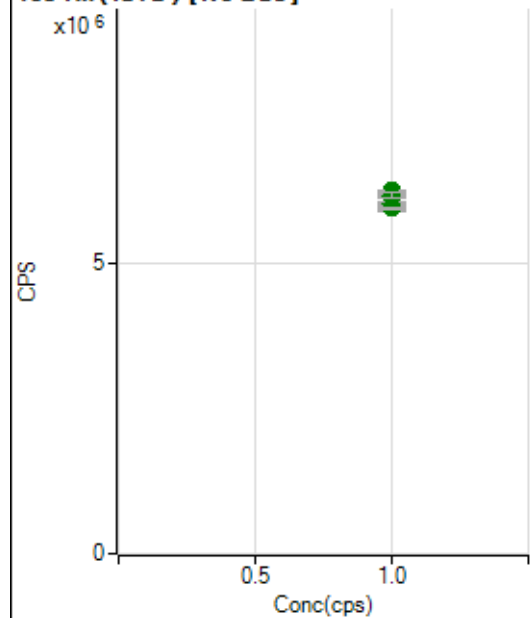
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		42018.49		P	1.8
2	☐	1.000					
3	☐	1.000		42078.58		P	0.6
4	☐	1.000		42473.09		P	1.0
5	☐	1.000		42963.43		P	0.8
6	☐	1.000		41615.06		P	2.6
7	☐	1.000		41699.64		P	1.8
8	☐	1.000		40863.80		P	0.9
9	☐	1.000		42447.36		P	0.7

89 Y (ISTD) [No Gas]

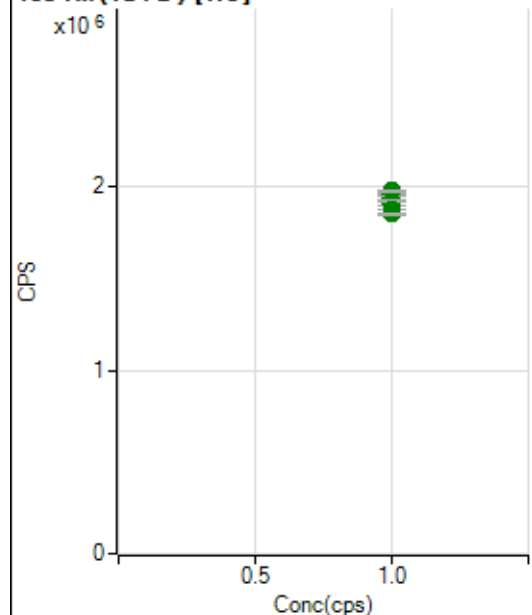
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7072412.19		A	1.8
2	☐	1.000					
3	☐	1.000		6978184.34		A	2.3
4	☐	1.000		7059946.70		A	1.7
5	☐	1.000		7307118.16		A	0.3
6	☐	1.000		7345284.96		A	0.9
7	☐	1.000		7425607.88		A	0.8
8	☐	1.000		7399596.07		A	1.7
9	☐	1.000		7419912.39		A	1.2

89 Y(ISTD) [He]

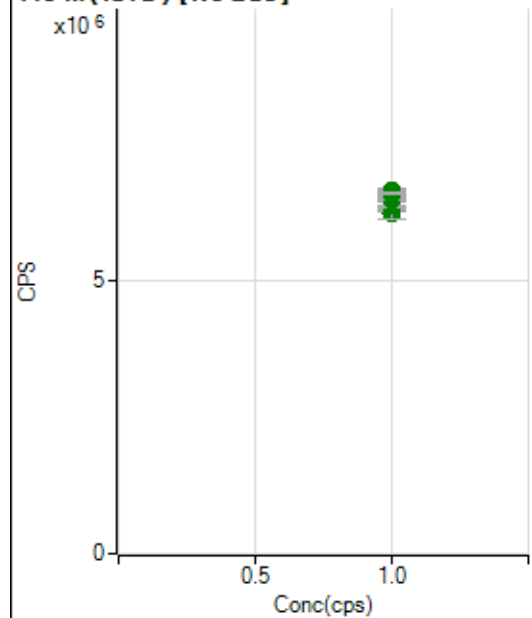
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		289948.01		P	0.7
2	☐	1.000					
3	☐	1.000		290982.31		P	0.9
4	☐	1.000		294109.20		P	0.4
5	☐	1.000		297111.04		P	0.0
6	☐	1.000		289944.18		P	2.5
7	☐	1.000		290086.57		P	0.2
8	☐	1.000		282384.57		P	0.3
9	☐	1.000		297714.46		P	0.7

103 Rh(ISTD) [No Gas]

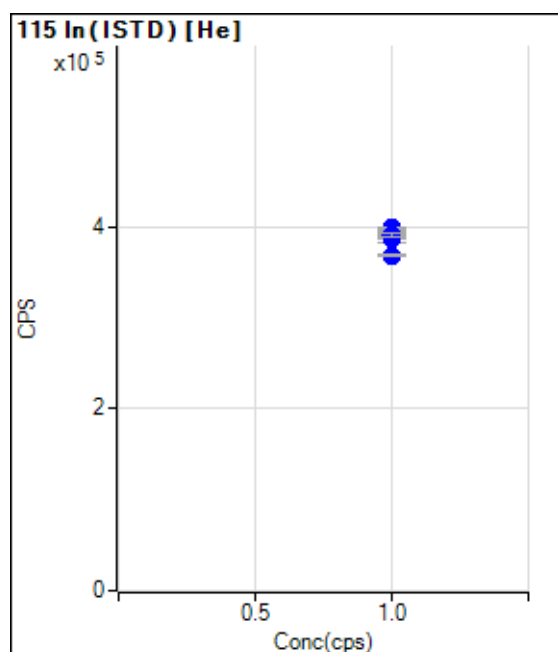
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6092352.79		A	2.1
2	☐	1.000					
3	☐	1.000		5975795.97		A	2.3
4	☐	1.000		6049520.84		A	1.2
5	☐	1.000		6174520.32		A	0.3
6	☐	1.000		6222344.24		A	0.6
7	☐	1.000		6266407.52		A	0.5
8	☐	1.000		6187581.04		A	1.7
9	☐	1.000		5961959.55		A	0.8

103 Rh (ISTD) [He]

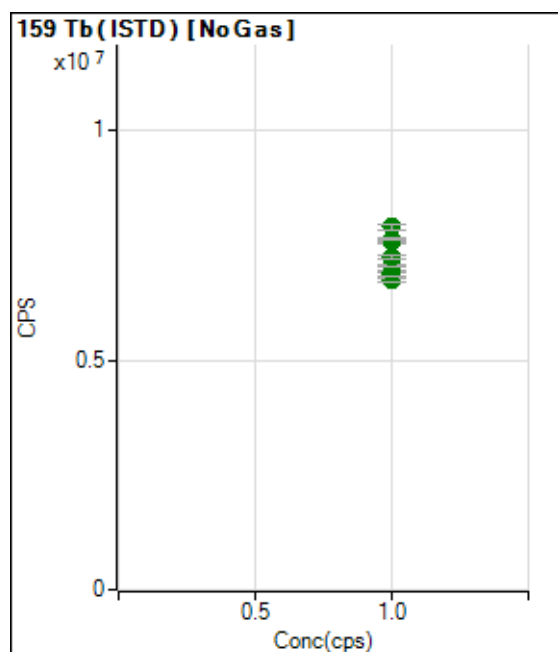
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1958311.20		A	0.4
2	☐	1.000					
3	☐	1.000		1943193.41		A	1.2
4	☐	1.000		1961606.14		A	0.9
5	☐	1.000		1978815.46		A	0.6
6	☐	1.000		1913059.49		A	2.0
7	☐	1.000		1924482.63		A	0.6
8	☐	1.000		1874388.17		A	0.2
9	☐	1.000		1853074.18		A	0.9

115 In (ISTD) [No Gas]

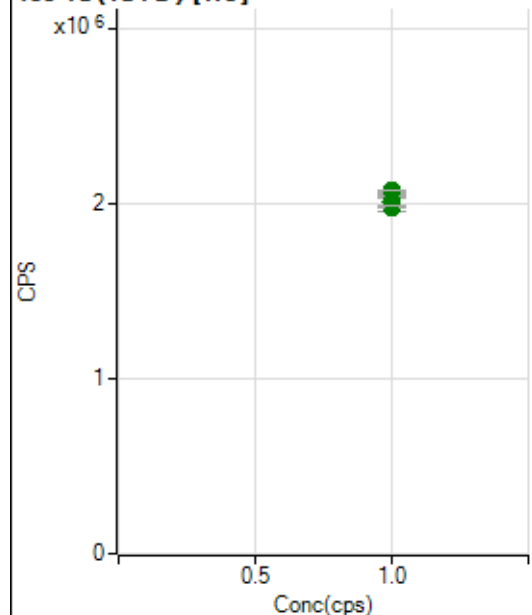
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6340598.46		A	1.9
2	☐	1.000					
3	☐	1.000		6237063.25		A	2.9
4	☐	1.000		6366940.50		A	1.0
5	☐	1.000		6498083.40		A	0.8
6	☐	1.000		6505640.91		A	0.9
7	☐	1.000		6654163.47		A	1.0
8	☐	1.000		6601378.60		A	1.7
9	☐	1.000		6629457.17		A	0.6



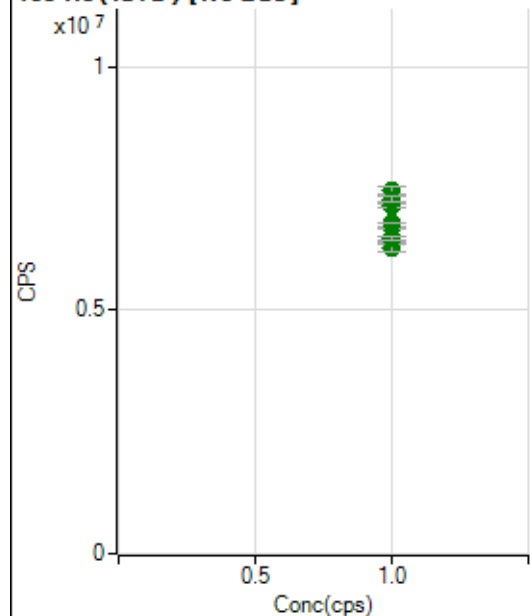
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		391022.70		P	0.6
2	☐	1.000					
3	☐	1.000		390344.68		P	0.1
4	☐	1.000		396803.74		P	0.4
5	☐	1.000		398559.58		P	0.5
6	☐	1.000		386867.62		P	2.0
7	☐	1.000		386477.62		P	0.3
8	☐	1.000		368109.05		P	0.3
9	☐	1.000		391330.84		P	1.1



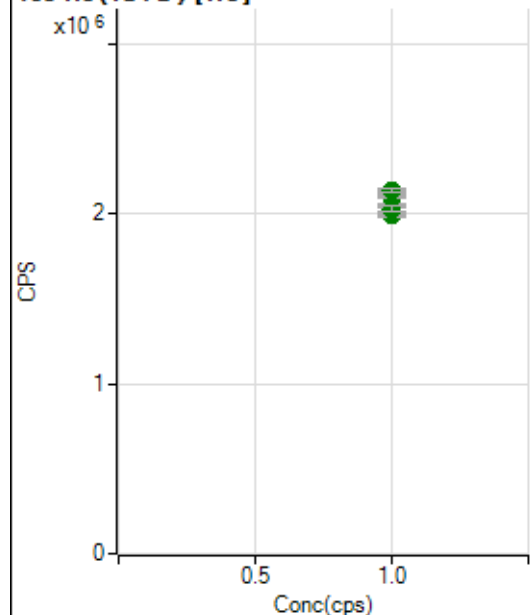
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6849256.56		A	1.4
2	☐	1.000					
3	☐	1.000		6751963.37		A	1.2
4	☐	1.000		6896628.37		A	1.9
5	☐	1.000		7046454.34		A	0.8
6	☐	1.000		7237392.04		A	0.9
7	☐	1.000		7562877.53		A	0.9
8	☐	1.000		7896600.65		A	1.8
9	☐	1.000		7637691.90		A	0.6

159 Tb (ISTD) [He]

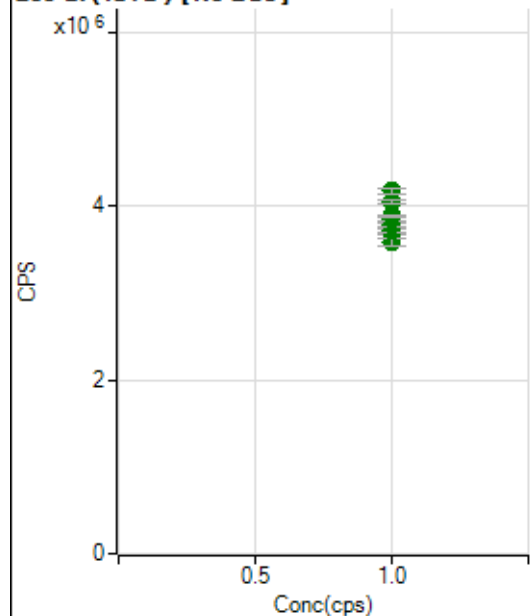
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1972710.61		A	2.0
2	☐	1.000					
3	☐	1.000		1978656.86		A	0.2
4	☐	1.000		1981566.46		A	0.6
5	☐	1.000		2038133.77		A	0.4
6	☐	1.000		2007232.44		A	2.1
7	☐	1.000		2066014.55		A	0.3
8	☐	1.000		2047707.71		A	0.2
9	☐	1.000		2071805.37		A	0.1

165 Ho (ISTD) [No Gas]

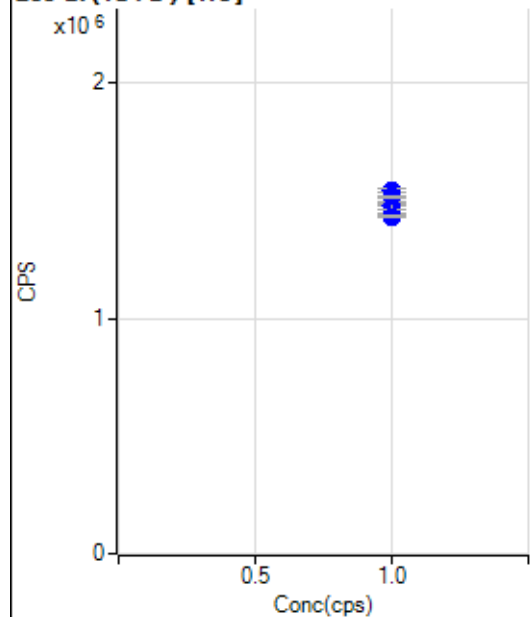
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6455858.83		A	1.7
2	☐	1.000					
3	☐	1.000		6287823.10		A	2.5
4	☐	1.000		6462724.32		A	1.1
5	☐	1.000		6703126.28		A	0.5
6	☐	1.000		6787265.17		A	0.4
7	☐	1.000		7152683.41		A	1.3
8	☐	1.000		7448859.28		A	2.2
9	☐	1.000		7275825.42		A	1.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2008817.37		A	0.8
2	☐	1.000					
3	☐	1.000		1985715.70		A	0.5
4	☐	1.000		2038004.08		A	0.6
5	☐	1.000		2045878.20		A	1.2
6	☐	1.000		2024756.15		A	1.6
7	☐	1.000		2126686.27		A	0.8
8	☐	1.000		2100261.60		A	0.5
9	☐	1.000		2132401.15		A	0.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3683123.21		A	0.7
2	☐	1.000					
3	☐	1.000		3583723.31		A	2.3
4	☐	1.000		3705131.44		A	1.2
5	☐	1.000		3781641.75		A	0.9
6	☐	1.000		3847948.69		A	1.1
7	☐	1.000		4044876.85		A	1.0
8	☐	1.000		4171604.52		A	1.5
9	☐	1.000		3887194.07		A	0.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1442445.07		P	0.8
2	☐	1.000					
3	☐	1.000		1435401.56		P	0.3
4	☐	1.000		1479090.83		P	0.4
5	☐	1.000		1487341.79		P	0.4
6	☐	1.000		1479441.05		P	2.1
7	☐	1.000		1541082.14		P	1.0
8	☐	1.000		1517820.29		P	0.6
9	☐	1.000		1431743.28		P	0.4

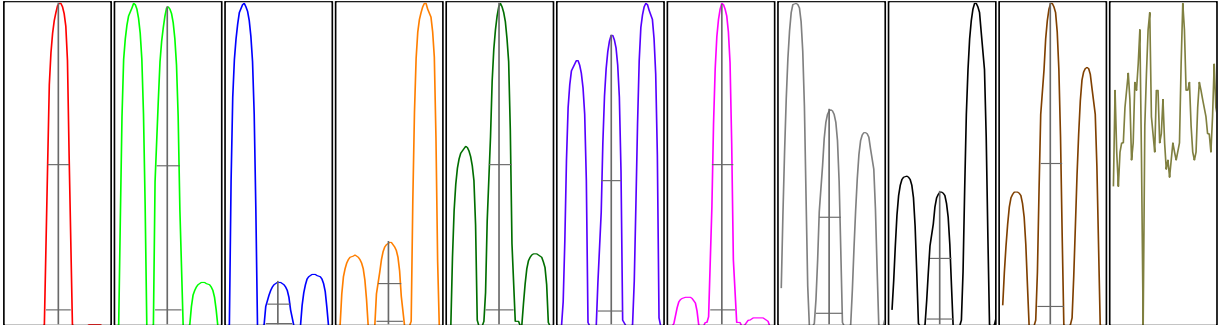
US EPA Tune Check Sample Report

Batch Folder D:\P8072817-MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	8917	1.44	5.00	
24	47224	1.15	5.00	
25	6424	0.74	5.00	
26	7515	0.87	5.00	
59	88354	0.82	5.00	
113	10512	0.96	5.00	
115	132031	1.43	5.00	
206	21765	0.46	5.00	
207	19702	0.50	5.00	
208	47313	1.05	5.00	
220	1	24.83		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	8890	9132	8856	8913	8794
24	46961	48143	46812	46908	47297
25	6390	6483	6406	6374	6465
26	7485	7543	7473	7457	7617
59	87579	88003	88325	88327	89537
113	10367	10542	10647	10506	10497
115	131336	130297	135267	131654	131601
206	21711	21692	21860	21675	21889
207	19562	19660	19818	19703	19766
208	48037	46915	46841	47580	47190
220	1	1	2	1	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	14303	9.05	8.9 - 9.1		0.741	0.900	
24	74658	24.00	23.9 - 24.1		0.788	0.900	
25	10129	25.00	24.9 - 25.1		0.789	0.900	
26	12006	26.00	25.9 - 26.1		0.787	0.900	
59	146418	59.00	58.9 - 59.1		0.823	0.900	
113	18858	113.05	112.9 - 113.1		0.731	0.900	
115	233779	115.05	114.9 - 115.1		0.737	0.900	
206	38175	205.95	205.9 - 206.1		0.775	0.900	
207	34191	206.95	206.9 - 207.1		0.778	0.900	
208	82172	207.95	207.9 - 208.1		0.777	0.900	
220			-				

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	7.9	V	Deflect	13.0	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-110	V	Cell Exit	-50	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	No		OctP Bias	-8.0	V	Energy Discrimination	5.0	V
He Flow	0.0	mL/min	OctP RF	190	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	12285	1.39	
89	3478	1.13	
205	15478	1.14	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	12037	12455	12411	12330	12192
89	3428	3510	3483	3520	3449
205	15284	15717	15596	15439	15357

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	7.9	V	Deflect	1.6	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-110	V	Cell Exit	-60	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	Yes		OctP Bias	-18.0	V	Energy Discrimination	5.0	V
He Flow	5.0	mL/min	OctP RF	190	V			

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:11:05	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.31	-0.67	-0.64	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.01	0.00	0.00	N/A	ppb
Barium	135-1	-0.01	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	-0.01	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.09	-0.26	0.35	0.00	N/A	ppb
Boron	11-1	-0.01	0.02	-0.02	0.00	N/A	ppb
Cadmium	111-1	0.03	-0.05	0.02	0.00	N/A	ppb
Cadmium	106-1	0.33	-0.73	0.40	0.00	N/A	ppb
Cadmium	108-1	-0.03	-0.03	0.06	0.00	N/A	ppb
Calcium	43-1	5.60	3.55	-9.15	0.00	N/A	ppb
Calcium	44-1	2.61	1.23	-3.84	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	-0.01	0.01	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	-0.01	-0.01	0.03	0.00	N/A	ppb
Iron	57-2	0.16	0.99	-1.15	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	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.03	-0.78	0.75	0.00	N/A	ppb
Manganese	55-2	0.04	-0.07	0.03	0.00	N/A	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:11:05	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	97-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.02	0.00	0.00	N/A	ppb
Phosphorus	31-2	2.02	27.85	-23.42	2.15	1193.52	ppb
Potassium	39-2	-8.56	4.28	4.28	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	-0.16	-0.16	0.32	0.00	N/A	ppb
Selenium	82-1	0.41	-0.64	0.23	0.00	N/A	ppb
Silicon	28-1	-0.43	-0.89	1.33	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	1.31	-0.31	-1.00	0.00	N/A	ppb
Strontium	86-1	0.03	-0.08	0.05	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-104.51	-28.29	-29.67	-54.16		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	0.00	-0.02	0.02	0.00	N/A	ppb
Titanium	47-1	-0.04	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	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.01	0.01	-0.02	0.00	N/A	ppb
Zirconium	90-1	-0.01	0.00	0.01	0.00	N/A	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:11:05	DataFile Name :	003CALB.d

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

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:18:12	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.13	17.30	21.43	20.29	12.87	ppb
Antimony	121-1	1.85	1.95	1.96	1.92	3.19	ppb
Arsenic	75-2	0.90	0.65	1.02	0.86	21.77	ppb
Barium	135-1	9.25	9.60	9.09	9.31	2.82	ppb
Barium	137-1	9.22	9.72	9.26	9.40	2.97	ppb
Beryllium	9-1	0.87	0.97	0.81	0.88	8.88	ppb
Bismuth	209-1				97		%
Bismuth	209-2				100		%
Boron	10-1	22.02	23.56	20.65	22.07	6.59	ppb
Boron	11-1	21.21	22.67	21.00	21.62	4.20	ppb
Cadmium	111-1	0.99	0.87	0.92	0.93	6.76	ppb
Cadmium	106-1	1.14	0.34	0.77	0.75	53.67	ppb
Cadmium	108-1	1.33	1.30	1.24	1.29	3.53	ppb
Calcium	43-1	432.81	439.15	412.75	428.24	3.22	ppb
Calcium	44-1	429.05	451.98	432.81	437.95	2.81	ppb
Chromium	52-2	1.96	1.94	1.86	1.92	2.58	ppb
Cobalt	59-2	0.90	0.86	0.87	0.88	2.47	ppb
Copper	63-2	2.00	2.05	2.11	2.05	2.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	46.28	45.10	46.51	45.97	1.65	ppb
Iron	57-2	50.12	51.88	45.43	49.15	6.78	ppb
Lead	206-1	1.02	1.07	0.96	1.02	5.62	ppb
Lead	207-1	1.02	0.99	0.96	0.99	3.41	ppb
Lead	208-1	1.03	1.05	1.00	1.02	2.39	ppb
Lithium	6-1				100		%
Magnesium	24-2	444.23	445.74	452.56	447.51	0.99	ppb
Manganese	55-2	1.03	0.97	1.38	1.13	19.73	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:18:12	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.98	2.10	1.98	2.02	3.31	ppb
Molybdenum	95-1	4.20	4.47	4.24	4.30	3.41	ppb
Molybdenum	96-1	3.71	3.84	3.70	3.75	2.08	ppb
Molybdenum	97-1	4.27	4.46	4.25	4.33	2.74	ppb
Molybdenum	98-1	4.29	4.50	4.39	4.39	2.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.94	0.96	0.97	0.96	1.80	ppb
Phosphorus	31-2	40.97	-10.66	-36.74	-2.15		ppb
Potassium	39-2	456.48	460.14	479.43	465.35	2.65	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	77-2	2.98	0.00	3.01	2.00	86.61	ppb
Selenium	78-2	4.02	5.05	5.49	4.85	15.47	ppb
Selenium	82-1	4.70	5.19	5.21	5.04	5.77	ppb
Silicon	28-1	8.30	13.74	9.45	10.50	27.29	ppb
Silver	109-1	1.26	1.28	1.22	1.25	2.34	ppb
Silver	107-1	1.25	1.32	1.29	1.29	2.72	ppb
Sodium	23-2	467.19	475.06	472.91	471.72	0.86	ppb
Strontium	86-1	0.88	0.98	1.02	0.96	7.41	ppb
Strontium	88-1	0.91	0.96	0.89	0.92	3.92	ppb
Sulfur	34-1	-78.54	331.67	-90.66	54.16	443.90	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.90	0.96	0.90	0.92	3.57	ppb
Thallium	205-1	0.89	0.96	0.93	0.92	3.78	ppb
Tin	118-1	4.67	4.71	4.71	4.69	0.49	ppb
Titanium	47-1	4.46	4.41	4.52	4.47	1.26	ppb
Uranium	238-1	0.89	0.93	0.87	0.90	3.36	ppb
Vanadium	51-2	4.76	4.62	4.41	4.59	3.82	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	2.18	1.89	1.77	1.95	10.92	ppb
Zirconium	90-1	0.87	0.98	0.87	0.90	7.42	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:18:12	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.89	0.90	0.90	0.89	0.85	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:21:40	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	963.52	1009.75	1000.17	991.15	2.46	ppb
Antimony	121-1	51.90	54.23	52.64	52.92	2.25	ppb
Arsenic	75-2	52.02	50.75	48.55	50.44	3.49	ppb
Barium	135-1	259.63	267.96	258.10	261.90	2.03	ppb
Barium	137-1	256.44	268.97	259.50	261.63	2.50	ppb
Beryllium	9-1	50.05	51.76	51.15	50.99	1.71	ppb
Bismuth	209-1				101		%
Bismuth	209-2				103		%
Boron	10-1	48.29	51.59	49.60	49.82	3.34	ppb
Boron	11-1	47.28	49.99	51.34	49.53	4.17	ppb
Cadmium	111-1	52.91	55.45	54.03	54.13	2.36	ppb
Cadmium	106-1	57.30	56.00	53.93	55.74	3.05	ppb
Cadmium	108-1	53.40	57.35	57.09	55.95	3.95	ppb
Calcium	43-1	4936.05	4980.36	5032.80	4983.07	0.97	ppb
Calcium	44-1	5012.32	5157.91	5058.28	5076.17	1.47	ppb
Chromium	52-2	51.22	50.61	51.55	51.13	0.93	ppb
Cobalt	59-2	50.61	50.28	51.36	50.75	1.09	ppb
Copper	63-2	102.20	101.28	103.16	102.22	0.92	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				101		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	2631.53	2623.34	2667.12	2640.66	0.88	ppb
Iron	57-2	2690.11	2639.99	2660.65	2663.58	0.95	ppb
Lead	206-1	48.97	49.47	49.51	49.32	0.61	ppb
Lead	207-1	48.77	49.56	48.77	49.03	0.93	ppb
Lead	208-1	48.84	49.55	48.96	49.12	0.78	ppb
Lithium	6-1				101		%
Magnesium	24-2	5094.11	5156.52	5164.10	5138.24	0.75	ppb
Manganese	55-2	105.11	105.30	104.42	104.94	0.44	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:21:40	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	48.81	50.42	50.09	49.77	1.71	ppb
Molybdenum	95-1	48.54	51.00	50.20	49.91	2.51	ppb
Molybdenum	96-1	48.79	50.24	49.91	49.65	1.53	ppb
Molybdenum	97-1	48.87	50.18	49.21	49.42	1.38	ppb
Molybdenum	98-1	49.24	50.32	49.64	49.73	1.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.78	51.49	53.17	52.15	1.72	ppb
Phosphorus	31-2	906.36	947.17	1020.18	957.90	6.02	ppb
Potassium	39-2	2582.38	2488.60	2638.39	2569.79	2.95	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	50.73	56.26	74.54	60.51	20.60	ppb
Selenium	78-2	53.43	52.09	52.45	52.66	1.31	ppb
Selenium	82-1	50.71	53.60	51.89	52.07	2.80	ppb
Silicon	28-1	64.74	68.81	69.15	67.57	3.63	ppb
Silver	109-1	53.88	55.75	54.96	54.86	1.72	ppb
Silver	107-1	54.23	55.58	54.84	54.88	1.23	ppb
Sodium	23-2	5245.70	5131.36	5263.25	5213.43	1.37	ppb
Strontium	86-1	50.57	51.70	50.71	50.99	1.21	ppb
Strontium	88-1	49.95	51.70	51.36	51.01	1.82	ppb
Sulfur	34-1	1480.87	1729.83	1610.84	1607.18	7.75	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	49.41	50.05	48.94	49.47	1.13	ppb
Thallium	205-1	50.06	50.40	49.77	50.08	0.63	ppb
Tin	118-1	51.96	54.13	53.17	53.09	2.05	ppb
Titanium	47-1	49.38	51.47	50.03	50.29	2.13	ppb
Uranium	238-1	47.68	49.19	47.61	48.16	1.86	ppb
Vanadium	51-2	50.89	50.66	51.29	50.95	0.63	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	103.76	102.19	103.66	103.20	0.85	ppb
Zirconium	90-1	50.03	51.83	50.59	50.82	1.81	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:21:40	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	49.39	51.15	49.60	50.05	1.91	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:25:12	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2470.39	2496.82	2486.74	2484.65	0.54	ppb
Antimony	121-1	131.29	131.92	133.08	132.10	0.69	ppb
Arsenic	75-2	125.04	125.64	125.07	125.25	0.27	ppb
Barium	135-1	636.20	647.19	657.63	647.01	1.66	ppb
Barium	137-1	636.20	647.94	659.68	647.94	1.81	ppb
Beryllium	9-1	125.14	123.32	124.31	124.25	0.73	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	118.21	121.54	127.32	122.36	3.77	ppb
Boron	11-1	123.14	121.48	124.27	122.96	1.14	ppb
Cadmium	111-1	131.87	134.23	136.21	134.10	1.62	ppb
Cadmium	106-1	126.51	139.60	136.35	134.15	5.08	ppb
Cadmium	108-1	133.98	134.14	136.84	134.99	1.19	ppb
Calcium	43-1	12361.29	12211.48	12404.20	12325.66	0.82	ppb
Calcium	44-1	12516.31	12141.06	12302.48	12319.95	1.53	ppb
Chromium	52-2	128.96	127.03	125.63	127.20	1.31	ppb
Cobalt	59-2	126.85	125.46	123.71	125.34	1.25	ppb
Copper	63-2	253.05	254.31	250.87	252.74	0.69	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				102		%
Indium	115-2				102		%
Iron	56-2	6504.63	6465.82	6412.93	6461.13	0.71	ppb
Iron	57-2	6603.45	6579.54	6422.86	6535.28	1.50	ppb
Lead	206-1	123.64	120.44	123.53	122.54	1.48	ppb
Lead	207-1	123.12	118.74	121.25	121.04	1.82	ppb
Lead	208-1	122.96	119.96	122.24	121.72	1.29	ppb
Lithium	6-1				103		%
Magnesium	24-2	12804.77	12788.33	12533.67	12708.92	1.20	ppb
Manganese	55-2	262.80	257.00	255.09	258.30	1.56	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:25:12	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	122.60	122.47	123.09	122.72	0.27	ppb
Molybdenum	95-1	121.41	120.86	123.01	121.76	0.92	ppb
Molybdenum	96-1	121.16	122.52	122.20	121.96	0.58	ppb
Molybdenum	97-1	121.32	120.54	121.55	121.14	0.44	ppb
Molybdenum	98-1	121.18	122.26	120.66	121.37	0.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.01	128.74	126.42	128.06	1.11	ppb
Phosphorus	31-2	2596.62	2881.55	2494.89	2657.69	7.54	ppb
Potassium	39-2	6532.88	6454.08	6297.51	6428.16	1.86	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	77-2	108.95	111.92	132.59	117.82	10.93	ppb
Selenium	78-2	123.07	128.17	125.46	125.57	2.03	ppb
Selenium	82-1	127.67	125.96	128.37	127.33	0.98	ppb
Silicon	28-1	129.97	124.18	138.03	130.72	5.32	ppb
Silver	109-1	134.24	134.62	137.94	135.60	1.50	ppb
Silver	107-1	133.36	135.81	136.39	135.19	1.19	ppb
Sodium	23-2	13071.66	13244.91	12828.41	13048.33	1.60	ppb
Strontium	86-1	124.40	122.73	124.37	123.84	0.77	ppb
Strontium	88-1	124.72	124.57	124.56	124.61	0.07	ppb
Sulfur	34-1	3425.00	3052.41	3239.97	3239.12	5.75	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	124.09	120.58	122.92	122.53	1.46	ppb
Thallium	205-1	124.85	122.72	123.66	123.74	0.86	ppb
Tin	118-1	132.14	133.02	132.98	132.72	0.37	ppb
Titanium	47-1	123.92	123.52	124.00	123.81	0.21	ppb
Uranium	238-1	122.67	121.54	122.28	122.16	0.47	ppb
Vanadium	51-2	126.21	126.03	123.07	125.10	1.41	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	258.68	259.52	257.96	258.72	0.30	ppb
Zirconium	90-1	125.78	125.22	126.02	125.67	0.33	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:25:12	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	121.74	120.53	123.42	121.89	1.19	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:28:35	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4966.85	5039.18	5249.44	5085.16	2.89	ppb
Antimony	121-1	260.66	258.87	264.58	261.37	1.12	ppb
Arsenic	75-2	249.14	253.92	265.93	256.33	3.37	ppb
Barium	135-1	1292.10	1285.81	1313.12	1297.01	1.10	ppb
Barium	137-1	1281.01	1271.72	1306.71	1286.48	1.41	ppb
Beryllium	9-1	245.94	244.32	247.95	246.07	0.74	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Boron	10-1	244.92	244.99	254.18	248.03	2.15	ppb
Boron	11-1	238.03	241.59	247.14	242.25	1.90	ppb
Cadmium	111-1	261.39	255.81	260.62	259.27	1.17	ppb
Cadmium	106-1	264.48	261.17	268.77	264.81	1.44	ppb
Cadmium	108-1	254.02	258.89	261.49	258.13	1.47	ppb
Calcium	43-1	24385.99	24322.18	24614.07	24440.75	0.63	ppb
Calcium	44-1	24471.29	24245.59	24472.42	24396.43	0.54	ppb
Chromium	52-2	253.31	259.02	268.46	260.26	2.94	ppb
Cobalt	59-2	251.37	256.36	264.52	257.41	2.58	ppb
Copper	63-2	503.43	514.26	531.34	516.34	2.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	12793.13	13048.31	13473.95	13105.13	2.62	ppb
Iron	57-2	13160.06	13270.71	13885.88	13438.88	2.91	ppb
Lead	206-1	241.28	244.69	246.10	244.02	1.02	ppb
Lead	207-1	239.46	241.04	244.58	241.69	1.08	ppb
Lead	208-1	245.17	244.71	247.77	245.88	0.67	ppb
Lithium	6-1				103		%
Magnesium	24-2	25456.30	25902.78	26969.27	26109.45	2.98	ppb
Manganese	55-2	513.72	519.62	542.41	525.25	2.89	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:28:35	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	251.32	247.13	250.91	249.79	0.92	ppb
Molybdenum	95-1	240.96	241.85	244.67	242.49	0.80	ppb
Molybdenum	96-1	246.83	244.02	248.80	246.55	0.97	ppb
Molybdenum	97-1	241.67	242.82	242.89	242.46	0.28	ppb
Molybdenum	98-1	252.19	245.74	248.64	248.86	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	255.72	260.30	268.15	261.39	2.40	ppb
Phosphorus	31-2	5225.58	5163.41	4833.55	5074.18	4.15	ppb
Potassium	39-2	12784.31	12860.11	13281.48	12975.30	2.06	ppb
Rhodium	103-1				102		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	77-2	209.28	271.01	300.67	260.32	17.91	ppb
Selenium	78-2	241.52	242.98	262.24	248.91	4.65	ppb
Selenium	82-1	251.83	250.83	255.27	252.65	0.92	ppb
Silicon	28-1	255.53	255.50	252.80	254.61	0.62	ppb
Silver	109-1	270.78	267.75	267.30	268.61	0.71	ppb
Silver	107-1	269.73	264.97	270.74	268.48	1.15	ppb
Sodium	23-2	25790.40	26347.13	27066.45	26401.33	2.42	ppb
Strontium	86-1	244.90	246.45	247.49	246.28	0.53	ppb
Strontium	88-1	248.05	245.64	246.88	246.86	0.49	ppb
Sulfur	34-1	6199.50	6376.78	6358.73	6311.67	1.55	ppb
Terbium	159-1				106		%
Terbium	159-2				102		%
Thallium	203-1	242.62	243.60	247.21	244.48	0.99	ppb
Thallium	205-1	245.80	250.44	250.96	249.07	1.14	ppb
Tin	118-1	262.72	259.96	262.97	261.88	0.64	ppb
Titanium	47-1	247.59	246.04	247.86	247.16	0.40	ppb
Uranium	238-1	241.74	239.27	245.18	242.07	1.23	ppb
Vanadium	51-2	250.33	257.26	263.81	257.13	2.62	ppb
Yttrium	89-1				104		%
Yttrium	89-2				100		%
Zinc	66-2	514.58	516.68	536.51	522.59	2.32	ppb
Zirconium	90-1	246.94	248.11	249.64	248.23	0.55	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:28:35	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	243.44	242.87	247.45	244.59	1.02	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:31:52	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9822.99	9844.35	9726.83	9798.06	0.64	ppb
Antimony	121-1	515.05	510.35	509.09	511.49	0.61	ppb
Arsenic	75-2	504.62	500.87	501.93	502.48	0.38	ppb
Barium	135-1	2546.94	2543.62	2543.64	2544.73	0.08	ppb
Barium	137-1	2523.33	2499.18	2509.31	2510.60	0.48	ppb
Beryllium	9-1	492.36	492.02	484.90	489.76	0.86	ppb
Bismuth	209-1				110		%
Bismuth	209-2				107		%
Boron	10-1	475.73	494.16	483.53	484.48	1.91	ppb
Boron	11-1	481.80	489.52	489.44	486.92	0.91	ppb
Cadmium	111-1	509.86	505.06	508.35	507.76	0.48	ppb
Cadmium	106-1	512.24	507.47	508.34	509.35	0.50	ppb
Cadmium	108-1	518.94	508.81	503.03	510.26	1.58	ppb
Calcium	43-1	49113.48	49121.01	48993.72	49076.07	0.15	ppb
Calcium	44-1	49040.83	48851.34	48640.15	48844.11	0.41	ppb
Chromium	52-2	502.17	514.85	495.18	504.07	1.98	ppb
Cobalt	59-2	493.31	508.74	491.20	497.75	1.92	ppb
Copper	63-2	1011.90	1019.57	1000.47	1010.65	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	56-2	25388.41	25663.29	25139.18	25396.96	1.03	ppb
Iron	57-2	25659.30	26464.71	25514.66	25879.56	1.98	ppb
Lead	206-1	508.76	495.82	497.83	500.80	1.39	ppb
Lead	207-1	500.05	485.04	499.23	494.77	1.71	ppb
Lead	208-1	500.51	493.17	500.22	497.97	0.84	ppb
Lithium	6-1				103		%
Magnesium	24-2	51244.97	51725.86	50043.68	51004.84	1.70	ppb
Manganese	55-2	1011.11	1026.78	1000.97	1012.95	1.28	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:31:52	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	495.82	507.92	503.20	502.31	1.21	ppb
Molybdenum	95-1	498.54	511.44	496.20	502.06	1.63	ppb
Molybdenum	96-1	501.03	511.12	499.11	503.75	1.28	ppb
Molybdenum	97-1	492.82	497.73	499.44	496.66	0.69	ppb
Molybdenum	98-1	495.72	499.47	498.26	497.81	0.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	502.66	514.53	499.31	505.50	1.58	ppb
Phosphorus	31-2	10036.95	10147.70	9955.32	10046.66	0.96	ppb
Potassium	39-2	24740.48	25266.79	24633.01	24880.10	1.36	ppb
Rhodium	103-1				103		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	77-2	444.06	547.54	519.63	503.74	10.63	ppb
Selenium	78-2	506.08	504.95	515.10	508.71	1.09	ppb
Selenium	82-1	497.42	501.77	498.97	499.38	0.44	ppb
Silicon	28-1	512.35	510.72	508.60	510.56	0.37	ppb
Silver	109-1	517.86	513.94	510.40	514.07	0.73	ppb
Silver	107-1	514.34	514.32	512.24	513.63	0.24	ppb
Sodium	23-2	50829.72	51694.36	49739.46	50754.52	1.93	ppb
Strontium	86-1	502.68	497.67	498.15	499.50	0.55	ppb
Strontium	88-1	496.54	500.33	495.34	497.40	0.52	ppb
Sulfur	34-1	12238.12	12112.77	11963.20	12104.70	1.14	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	509.62	485.74	498.93	498.10	2.40	ppb
Thallium	205-1	501.72	488.02	495.61	495.12	1.39	ppb
Tin	118-1	508.90	512.85	509.99	510.58	0.40	ppb
Titanium	47-1	494.43	491.00	489.97	491.80	0.47	ppb
Uranium	238-1	492.63	490.02	486.67	489.77	0.61	ppb
Vanadium	51-2	499.18	510.26	493.12	500.85	1.74	ppb
Yttrium	89-1				105		%
Yttrium	89-2				100		%
Zinc	66-2	1010.05	1030.36	995.09	1011.83	1.75	ppb
Zirconium	90-1	497.73	501.11	492.64	497.16	0.86	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:31:52	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	502.50	505.71	502.03	503.41	0.40	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:35:04	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19354.95	19084.72	19672.86	19370.84	1.52	ppb
Antimony	121-1	982.97	977.98	1010.18	990.38	1.75	ppb
Arsenic	75-2	998.75	992.13	1000.49	997.13	0.44	ppb
Barium	135-1	4928.15	4946.18	5013.28	4962.54	0.90	ppb
Barium	137-1	4932.87	4963.66	5049.86	4982.13	1.22	ppb
Beryllium	9-1	987.37	1010.55	1020.52	1006.15	1.69	ppb
Bismuth	209-1				113		%
Bismuth	209-2				105		%
Boron	10-1	982.80	1011.55	1031.66	1008.67	2.43	ppb
Boron	11-1	987.38	1002.52	1036.61	1008.84	2.50	ppb
Cadmium	111-1	997.13	977.53	1002.72	992.46	1.33	ppb
Cadmium	106-1	982.53	982.17	1005.88	990.19	1.37	ppb
Cadmium	108-1	991.68	968.10	1014.09	991.29	2.32	ppb
Calcium	43-1	99595.66	98250.49	100786.91	99544.35	1.27	ppb
Calcium	44-1	97776.64	96586.88	100067.55	98143.69	1.80	ppb
Chromium	52-2	989.04	993.51	1002.65	995.07	0.70	ppb
Cobalt	59-2	992.25	1008.38	996.93	999.19	0.83	ppb
Copper	63-2	1994.59	1978.16	1997.66	1990.14	0.53	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				115		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				94		%
Iron	56-2	50085.19	50630.82	50512.30	50409.44	0.57	ppb
Iron	57-2	50825.91	51314.65	51327.68	51156.08	0.56	ppb
Lead	206-1	991.15	995.59	1017.57	1001.44	1.41	ppb
Lead	207-1	995.91	994.41	1025.38	1005.23	1.74	ppb
Lead	208-1	985.61	996.98	1024.91	1002.50	2.02	ppb
Lithium	6-1				100		%
Magnesium	24-2	98803.71	99623.30	99495.39	99307.47	0.44	ppb
Manganese	55-2	1972.04	1983.09	2002.66	1985.93	0.78	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:35:04	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	984.73	991.86	1021.03	999.21	1.92	ppb
Molybdenum	95-1	993.84	989.23	1020.71	1001.26	1.70	ppb
Molybdenum	96-1	986.29	987.08	1024.80	999.39	2.20	ppb
Molybdenum	97-1	982.54	1005.66	1024.00	1004.07	2.07	ppb
Molybdenum	98-1	990.16	999.25	1016.14	1001.85	1.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	986.18	994.56	1001.00	993.91	0.75	ppb
Phosphorus	31-2	20793.53	19429.06	19598.97	19940.52	3.73	ppb
Potassium	39-2	49316.06	49437.97	48655.63	49136.56	0.86	ppb
Rhodium	103-1				102		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				97		%
Selenium	77-2	951.20	995.36	1041.25	995.94	4.52	ppb
Selenium	78-2	991.61	1011.13	984.40	995.71	1.39	ppb
Selenium	82-1	987.42	988.91	1021.43	999.25	1.92	ppb
Silicon	28-1	978.49	980.51	1016.91	991.97	2.18	ppb
Silver	109-1	985.15	972.07	1003.01	986.75	1.57	ppb
Silver	107-1	988.06	973.73	999.34	987.05	1.30	ppb
Sodium	23-2	99443.56	99156.86	101057.87	99886.10	1.03	ppb
Strontium	86-1	988.84	987.91	1027.07	1001.28	2.23	ppb
Strontium	88-1	993.60	986.21	1026.44	1002.08	2.14	ppb
Sulfur	34-1	18869.44	17545.83	19075.69	18496.99	4.49	ppb
Terbium	159-1				115		%
Terbium	159-2				104		%
Thallium	203-1	985.94	1001.82	1020.25	1002.67	1.71	ppb
Thallium	205-1	988.26	999.91	1020.31	1002.83	1.62	ppb
Tin	118-1	982.17	982.55	1007.16	990.62	1.45	ppb
Titanium	47-1	1015.71	988.12	1011.01	1004.95	1.47	ppb
Uranium	238-1	1001.69	993.62	1027.33	1007.54	1.75	ppb
Vanadium	51-2	992.10	995.89	1005.20	997.73	0.68	ppb
Yttrium	89-1				105		%
Yttrium	89-2				97		%
Zinc	66-2	1978.52	1990.29	1992.74	1987.19	0.38	ppb
Zirconium	90-1	991.10	992.86	1021.26	1001.74	1.69	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:35:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	996.80	983.54	1019.76	1000.03	1.83	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:38:11	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100492.52	99430.79	100503.41	100142.24	0.62	ppb
Antimony	121-1	2.61	2.50	2.56	2.56	2.15	ppb
Arsenic	75-2	0.70	0.53	0.51	0.58	17.61	ppb
Barium	135-1	2.97	2.82	2.76	2.85	3.83	ppb
Barium	137-1	3.00	2.82	2.82	2.88	3.62	ppb
Beryllium	9-1	0.34	0.30	0.31	0.32	7.55	ppb
Bismuth	209-1				106		%
Bismuth	209-2				99		%
Boron	10-1	38.73	34.28	33.62	35.54	7.81	ppb
Boron	11-1	39.34	36.56	34.25	36.72	6.94	ppb
Cadmium	111-1	0.26	0.17	0.24	0.23	20.75	ppb
Cadmium	106-1	-0.30	-0.19	-0.32	-0.27		ppb
Cadmium	108-1	0.20	0.33	0.28	0.27	24.40	ppb
Calcium	43-1	498300.75	502753.32	499594.18	500216.08	0.46	ppb
Calcium	44-1	500345.47	499874.53	501342.49	500520.83	0.15	ppb
Chromium	52-2	30.45	30.06	29.74	30.09	1.18	ppb
Cobalt	59-2	1.69	1.61	1.72	1.67	3.59	ppb
Copper	63-2	4.70	4.72	4.59	4.67	1.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	251300.29	247076.39	251147.76	249841.48	0.96	ppb
Iron	57-2	250675.54	249488.48	248711.32	249625.12	0.40	ppb
Lead	206-1	2.35	2.22	2.24	2.27	3.00	ppb
Lead	207-1	2.11	2.06	2.10	2.09	1.29	ppb
Lead	208-1	2.18	2.17	2.22	2.19	1.38	ppb
Lithium	6-1				98		%
Magnesium	24-2	500754.31	499558.63	499615.05	499976.00	0.13	ppb
Manganese	55-2	11.64	11.33	11.65	11.54	1.58	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:38:11	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.72	1.80	1.79	1.77	2.31	ppb
Molybdenum	95-1	4.84	4.73	4.72	4.76	1.41	ppb
Molybdenum	96-1	4.26	4.49	4.61	4.45	4.05	ppb
Molybdenum	97-1	4.81	4.44	4.65	4.63	3.99	ppb
Molybdenum	98-1	4.72	4.74	4.70	4.72	0.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.98	16.90	17.24	17.04	1.04	ppb
Phosphorus	31-2	28.23	-10.85	-36.74	-6.46		ppb
Potassium	39-2	251112.03	249249.38	250106.08	250155.83	0.37	ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	77-2	0.00	2.94	0.00	0.98	173.21	ppb
Selenium	78-2	0.76	1.21	-0.63	0.45	214.62	ppb
Selenium	82-1	2.72	1.00	2.15	1.96	44.74	ppb
Silicon	28-1	1.52	8.39	1.44	3.78	105.47	ppb
Silver	109-1	0.24	0.23	0.23	0.23	3.24	ppb
Silver	107-1	0.24	0.22	0.22	0.23	6.05	ppb
Sodium	23-2	500577.43	499882.26	499124.65	499861.45	0.15	ppb
Strontium	86-1	33.50	34.79	34.78	34.36	2.16	ppb
Strontium	88-1	34.08	34.78	34.79	34.55	1.18	ppb
Sulfur	34-1	-485.22	-512.14	-529.76	-509.04		ppb
Terbium	159-1				112		%
Terbium	159-2				105		%
Thallium	203-1	0.68	0.66	0.68	0.67	1.93	ppb
Thallium	205-1	0.70	0.71	0.67	0.69	2.93	ppb
Tin	118-1	1.38	1.28	1.33	1.33	3.78	ppb
Titanium	47-1	1.30	2.22	1.59	1.70	27.76	ppb
Uranium	238-1	0.30	0.29	0.30	0.30	2.65	ppb
Vanadium	51-2	0.60	0.59	0.69	0.63	9.03	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	33.11	33.94	33.22	33.42	1.35	ppb
Zirconium	90-1	0.39	0.38	0.34	0.37	6.84	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:38:11	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.35	0.38	0.35	0.36	4.16	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:47:49	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	498.69	501.25	544.00	514.65	4.95	ppb
Antimony	121-1	201.35	206.03	204.79	204.06	1.19	ppb
Arsenic	75-2	199.28	196.71	193.86	196.62	1.38	ppb
Barium	135-1	101.74	101.64	101.61	101.66	0.07	ppb
Barium	137-1	101.31	100.91	102.47	101.56	0.79	ppb
Beryllium	9-1	93.93	92.79	92.05	92.92	1.01	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Boron	10-1	501.12	492.91	506.63	500.22	1.38	ppb
Boron	11-1	499.82	506.56	504.39	503.59	0.68	ppb
Cadmium	111-1	104.02	104.84	106.41	105.09	1.15	ppb
Cadmium	106-1	147.26	153.85	158.68	153.26	3.74	ppb
Cadmium	108-1	131.02	131.49	133.91	132.14	1.17	ppb
Calcium	43-1	2068.02	2043.92	2015.26	2042.40	1.29	ppb
Calcium	44-1	2039.40	2011.54	2034.30	2028.41	0.73	ppb
Chromium	52-2	97.15	93.38	94.69	95.07	2.01	ppb
Cobalt	59-2	98.99	97.10	96.03	97.38	1.54	ppb
Copper	63-2	98.64	98.03	96.87	97.85	0.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	1012.76	987.21	983.08	994.35	1.62	ppb
Iron	57-2	996.94	972.12	966.26	978.44	1.66	ppb
Lead	206-1	192.48	194.22	197.70	194.80	1.37	ppb
Lead	207-1	185.14	184.16	189.10	186.13	1.41	ppb
Lead	208-1	191.74	190.75	194.43	192.31	0.99	ppb
Lithium	6-1				105		%
Magnesium	24-2	1207.74	1191.03	1180.93	1193.23	1.13	ppb
Manganese	55-2	99.14	96.15	99.67	98.32	1.93	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:47:49	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	470.47	473.02	479.78	474.42	1.01	ppb
Molybdenum	95-1	457.08	456.30	466.90	460.09	1.28	ppb
Molybdenum	96-1	454.96	464.65	471.19	463.60	1.76	ppb
Molybdenum	97-1	442.34	449.42	458.02	449.93	1.75	ppb
Molybdenum	98-1	454.69	458.09	467.75	460.18	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.39	98.38	96.64	98.47	1.90	ppb
Phosphorus	31-2	13.44	-36.74	-24.37	-15.89		ppb
Potassium	39-2	1975.03	1965.18	1926.29	1955.50	1.32	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	77-2	161.69	209.73	224.22	198.55	16.48	ppb
Selenium	78-2	193.59	199.55	202.66	198.60	2.32	ppb
Selenium	82-1	192.79	198.16	199.20	196.72	1.75	ppb
Silicon	28-1	430.24	425.62	429.48	428.44	0.58	ppb
Silver	109-1	103.00	104.27	105.99	104.42	1.44	ppb
Silver	107-1	103.32	104.35	106.79	104.82	1.70	ppb
Sodium	23-2	2049.15	2023.31	2000.93	2024.46	1.19	ppb
Strontium	86-1	468.93	468.90	475.01	470.95	0.75	ppb
Strontium	88-1	463.76	469.10	474.94	469.26	1.19	ppb
Sulfur	34-1	-1165.03	-1460.37	-1204.72	-1276.71		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	197.35	197.16	199.49	198.00	0.65	ppb
Thallium	205-1	203.88	203.97	206.30	204.71	0.67	ppb
Tin	118-1	486.62	501.36	502.33	496.77	1.77	ppb
Titanium	47-1	457.21	457.73	465.62	460.19	1.02	ppb
Uranium	238-1	433.63	440.86	444.40	439.63	1.25	ppb
Vanadium	51-2	96.61	95.40	93.97	95.33	1.39	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	202.82	197.30	196.43	198.85	1.74	ppb
Zirconium	90-1	473.99	474.51	483.03	477.18	1.06	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:47:49	DataFile Name :	014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	472.95	471.53	486.50	476.99	1.73	ppb

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:50:53 DataFile Name : 015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.69	-1.66	2.23	-0.04		ppb
Antimony	121-1	0.18	0.19	0.16	0.18	8.20	ppb
Arsenic	75-2	0.00	0.03	0.00	0.01	295.56	ppb
Barium	135-1	-0.02	-0.02	0.00	-0.01		ppb
Barium	137-1	0.00	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.04	0.03	0.07	0.04	46.33	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Boron	10-1	14.56	13.57	12.96	13.70	5.88	ppb
Boron	11-1	13.83	13.55	13.35	13.58	1.77	ppb
Cadmium	111-1	-0.01	-0.07	0.04	-0.01		ppb
Cadmium	106-1	0.03	-0.94	0.49	-0.14		ppb
Cadmium	108-1	0.03	0.03	0.00	0.02	102.99	ppb
Calcium	43-1	-17.58	-18.63	-16.64	-17.61		ppb
Calcium	44-1	18.08	10.89	16.48	15.15	24.90	ppb
Chromium	52-2	-0.02	0.02	0.02	0.01	369.68	ppb
Cobalt	59-2	0.01	0.01	-0.01	0.00	743.68	ppb
Copper	63-2	0.00	0.01	-0.02	0.00		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				102		%
Indium	115-1				103		%
Indium	115-2				102		%
Iron	56-2	0.36	1.27	0.44	0.69	73.37	ppb
Iron	57-2	-1.00	1.53	0.10	0.21	608.59	ppb
Lead	206-1	0.09	0.08	0.07	0.08	12.71	ppb
Lead	207-1	0.07	0.08	0.07	0.07	10.82	ppb
Lead	208-1	0.07	0.08	0.07	0.07	7.65	ppb
Lithium	6-1				102		%
Magnesium	24-2	-0.41	-0.79	1.39	0.06	1813.07	ppb
Manganese	55-2	0.00	0.02	0.03	0.02	96.31	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:50:53	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.05	0.04	0.04	0.04	9.65	ppb
Molybdenum	95-1	0.01	0.01	0.02	0.01	43.63	ppb
Molybdenum	96-1	0.05	0.05	0.03	0.04	34.64	ppb
Molybdenum	97-1	0.04	0.04	0.02	0.03	30.21	ppb
Molybdenum	98-1	0.04	0.02	0.02	0.03	26.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	0.00	0.03	0.00		ppb
Phosphorus	31-2	-24.04	-11.00	-24.04	-19.70		ppb
Potassium	39-2	11.37	11.83	-5.89	5.77	175.11	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.17	-0.63	0.29	-0.17		ppb
Selenium	82-1	-0.23	-0.01	-0.36	-0.20		ppb
Silicon	28-1	-14.84	-1.86	-12.49	-9.73		ppb
Silver	109-1	0.01	0.01	0.02	0.01	39.71	ppb
Silver	107-1	0.02	0.02	0.02	0.02	17.74	ppb
Sodium	23-2	31.74	38.18	30.75	33.56	12.02	ppb
Strontium	86-1	-0.09	-0.03	0.00	-0.04		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1152.76	-1130.31	-1165.46	-1149.51		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.05	0.05	0.04	0.05	12.42	ppb
Thallium	205-1	0.05	0.04	0.04	0.04	11.47	ppb
Tin	118-1	0.09	0.06	0.11	0.09	25.68	ppb
Titanium	47-1	0.01	0.03	0.02	0.02	32.64	ppb
Uranium	238-1	0.00	0.00	0.01	0.00	94.27	ppb
Vanadium	51-2	0.00	0.03	0.01	0.01	139.87	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	0.20	0.30	0.13	0.21	40.25	ppb
Zirconium	90-1	0.06	0.05	0.07	0.06	11.90	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:50:53	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.04	0.06	0.06	0.05	23.80	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:54:03	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92197.54	90408.06	90656.61	91087.41	1.06	ppb
Antimony	121-1	1.26	1.24	1.20	1.24	2.61	ppb
Arsenic	75-2	0.28	0.23	0.31	0.27	14.47	ppb
Barium	135-1	1.48	1.53	1.30	1.44	8.29	ppb
Barium	137-1	1.55	1.41	1.46	1.48	4.86	ppb
Beryllium	9-1	0.33	0.30	0.30	0.31	5.63	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Boron	10-1	11.72	12.24	12.70	12.22	4.01	ppb
Boron	11-1	13.23	12.59	11.56	12.46	6.76	ppb
Cadmium	111-1	0.33	0.25	0.25	0.28	16.51	ppb
Cadmium	106-1	-0.54	-0.77	-0.61	-0.64		ppb
Cadmium	108-1	7.24	7.11	7.53	7.29	2.95	ppb
Calcium	43-1	97378.88	93248.23	95026.03	95217.71	2.18	ppb
Calcium	44-1	96629.75	93711.05	94362.81	94901.20	1.61	ppb
Chromium	52-2	20.29	19.86	20.26	20.14	1.21	ppb
Cobalt	59-2	1.10	1.09	1.15	1.12	2.94	ppb
Copper	63-2	7.85	7.46	7.65	7.65	2.54	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				101		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	99232.13	98690.62	99046.82	98989.86	0.28	ppb
Iron	57-2	101445.12	99163.19	100947.35	100518.55	1.19	ppb
Lead	206-1	4.74	4.55	4.71	4.67	2.24	ppb
Lead	207-1	3.97	3.90	3.83	3.90	1.78	ppb
Lead	208-1	4.29	4.12	4.17	4.19	2.04	ppb
Lithium	6-1				99		%
Magnesium	24-2	98171.10	96850.98	97152.28	97391.45	0.71	ppb
Manganese	55-2	7.83	7.83	7.83	7.83	0.02	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:54:03	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	611.54	589.31	591.59	597.48	2.05	ppb
Molybdenum	95-1	1890.01	1852.97	1850.86	1864.61	1.18	ppb
Molybdenum	96-1	1580.60	1549.71	1558.93	1563.08	1.01	ppb
Molybdenum	97-1	1892.09	1840.06	1862.14	1864.76	1.40	ppb
Molybdenum	98-1	1899.18	1878.57	1868.16	1881.97	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.69	5.59	5.65	5.64	0.90	ppb
Phosphorus	31-2	101218.88	98351.65	98582.89	99384.47	1.60	ppb
Potassium	39-2	101195.39	99275.01	100937.52	100469.31	1.04	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.30	-0.16	0.80	0.32	152.20	ppb
Selenium	82-1	0.99	0.53	1.50	1.01	48.48	ppb
Silicon	28-1	24.44	18.25	21.79	21.50	14.46	ppb
Silver	109-1	0.19	0.16	0.18	0.18	6.59	ppb
Silver	107-1	0.18	0.17	0.17	0.17	2.05	ppb
Sodium	23-2	100066.32	100079.53	100359.69	100168.51	0.17	ppb
Strontium	86-1	34.37	32.93	33.51	33.61	2.15	ppb
Strontium	88-1	33.79	33.06	33.13	33.33	1.21	ppb
Sulfur	34-1	90237.15	85347.87	85313.41	86966.15	3.26	ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.15	0.19	0.15	0.16	13.58	ppb
Thallium	205-1	0.15	0.16	0.16	0.16	5.17	ppb
Tin	118-1	0.41	0.39	0.43	0.41	5.04	ppb
Titanium	47-1	1953.07	1867.22	1898.21	1906.16	2.28	ppb
Uranium	238-1	0.02	0.02	0.01	0.02	12.73	ppb
Vanadium	51-2	0.17	0.13	0.16	0.15	12.96	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	10.95	11.21	11.72	11.29	3.49	ppb
Zirconium	90-1	1.35	1.13	1.04	1.18	13.53	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:54:03	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	1.30	1.18	1.11	1.20	8.01	ppb

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P8
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:57:06 DataFile Name : 017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92206.07	89980.42	89557.45	90581.31	1.57	ppb
Antimony	121-1	20.99	20.60	20.78	20.79	0.95	ppb
Arsenic	75-2	18.95	19.19	19.46	19.20	1.34	ppb
Barium	135-1	22.22	21.65	21.39	21.75	1.97	ppb
Barium	137-1	21.84	21.45	20.86	21.39	2.30	ppb
Beryllium	9-1	20.13	19.24	19.38	19.59	2.45	ppb
Bismuth	209-1				98		%
Bismuth	209-2				97		%
Boron	10-1	64.08	62.10	64.00	63.39	1.76	ppb
Boron	11-1	62.06	63.73	61.52	62.44	1.85	ppb
Cadmium	111-1	19.82	19.94	20.06	19.94	0.61	ppb
Cadmium	106-1	22.01	22.34	22.63	22.32	1.38	ppb
Cadmium	108-1	30.54	29.36	29.26	29.72	2.39	ppb
Calcium	43-1	95079.38	95874.28	92989.99	94647.89	1.57	ppb
Calcium	44-1	95649.66	95099.08	92891.95	94546.90	1.54	ppb
Chromium	52-2	40.59	38.80	38.37	39.25	3.00	ppb
Cobalt	59-2	20.81	20.49	20.28	20.53	1.31	ppb
Copper	63-2	27.27	26.77	26.45	26.83	1.54	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				101		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	100564.56	97907.63	97190.14	98554.11	1.80	ppb
Iron	57-2	102972.89	98954.24	99831.39	100586.17	2.10	ppb
Lead	206-1	24.02	25.09	24.77	24.62	2.23	ppb
Lead	207-1	22.01	22.23	22.28	22.17	0.65	ppb
Lead	208-1	23.01	23.33	23.32	23.22	0.78	ppb
Lithium	6-1				99		%
Magnesium	24-2	100097.26	96355.20	95207.22	97219.89	2.63	ppb
Manganese	55-2	27.96	26.39	26.91	27.09	2.94	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:57:06	DataFile Name :	017ICSAB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	651.09	640.18	637.94	643.07	1.09	ppb
Molybdenum	95-1	1941.51	1894.10	1918.53	1918.05	1.24	ppb
Molybdenum	96-1	1636.30	1590.37	1599.70	1608.79	1.51	ppb
Molybdenum	97-1	1929.80	1869.37	1889.45	1896.21	1.62	ppb
Molybdenum	98-1	1937.11	1876.20	1914.03	1909.11	1.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.09	24.43	23.82	24.45	2.59	ppb
Phosphorus	31-2	101427.78	98560.63	98423.30	99470.57	1.71	ppb
Potassium	39-2	101696.45	99640.43	99397.90	100244.93	1.26	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	77-2	15.07	30.00	21.23	22.10	33.97	ppb
Selenium	78-2	17.25	12.49	30.16	19.97	45.79	ppb
Selenium	82-1	20.53	20.02	18.91	19.82	4.17	ppb
Silicon	28-1	64.46	79.27	76.45	73.39	10.71	ppb
Silver	109-1	19.49	19.12	19.27	19.29	0.98	ppb
Silver	107-1	19.50	19.14	19.33	19.33	0.92	ppb
Sodium	23-2	101786.53	98902.56	98342.35	99677.14	1.85	ppb
Strontium	86-1	83.02	82.19	81.29	82.16	1.05	ppb
Strontium	88-1	86.57	84.31	83.75	84.88	1.76	ppb
Sulfur	34-1	86823.79	85989.66	83159.27	85324.24	2.25	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	19.90	20.02	19.90	19.94	0.36	ppb
Thallium	205-1	20.00	20.20	19.99	20.06	0.60	ppb
Tin	118-1	51.43	50.64	51.07	51.05	0.78	ppb
Titanium	47-1	1960.80	1959.88	1920.20	1946.96	1.19	ppb
Uranium	238-1	48.16	48.51	49.20	48.62	1.09	ppb
Vanadium	51-2	19.42	19.13	19.21	19.25	0.80	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	32.56	30.54	29.70	30.93	4.75	ppb
Zirconium	90-1	52.41	51.33	51.40	51.71	1.17	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:57:06	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	51.96	50.90	51.59	51.49	1.05	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P8
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:00:10	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51546.61	49890.84	49682.84	50373.43	2.03	ppb
Antimony	121-1	509.01	523.42	522.29	518.24	1.55	ppb
Arsenic	75-2	502.01	501.29	493.35	498.88	0.96	ppb
Barium	135-1	2573.60	2646.54	2607.52	2609.22	1.40	ppb
Barium	137-1	2556.21	2572.85	2592.14	2573.73	0.70	ppb
Beryllium	9-1	491.54	503.76	497.84	497.71	1.23	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Boron	10-1	486.25	514.84	507.04	502.71	2.94	ppb
Boron	11-1	490.22	511.66	507.27	503.05	2.25	ppb
Cadmium	111-1	490.69	505.26	503.09	499.68	1.57	ppb
Cadmium	106-1	493.46	512.32	504.71	503.50	1.88	ppb
Cadmium	108-1	500.04	513.25	501.48	504.92	1.44	ppb
Calcium	43-1	243266.49	244380.52	247512.77	245053.26	0.90	ppb
Calcium	44-1	245158.35	244939.13	250299.05	246798.84	1.23	ppb
Chromium	52-2	524.41	512.67	508.28	515.12	1.62	ppb
Cobalt	59-2	495.74	484.31	479.79	486.61	1.69	ppb
Copper	63-2	992.12	967.47	957.79	972.46	1.82	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				104		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	124935.26	122476.39	120973.23	122794.96	1.63	ppb
Iron	57-2	128363.83	124445.98	123758.25	125522.69	1.98	ppb
Lead	206-1	499.90	508.10	510.85	506.28	1.13	ppb
Lead	207-1	502.59	508.04	507.48	506.04	0.59	ppb
Lead	208-1	502.18	506.03	513.43	507.21	1.13	ppb
Lithium	6-1				100		%
Magnesium	24-2	256188.17	248538.03	246045.34	250257.18	2.11	ppb
Manganese	55-2	1031.68	1014.23	1012.57	1019.50	1.04	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P8
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:00:10	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	490.25	499.22	508.59	499.35	1.84	ppb
Molybdenum	95-1	498.11	511.29	513.81	507.74	1.66	ppb
Molybdenum	96-1	493.12	501.21	518.08	504.14	2.53	ppb
Molybdenum	97-1	486.26	493.92	506.48	495.55	2.06	ppb
Molybdenum	98-1	492.91	501.43	510.52	501.62	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	505.88	489.67	482.85	492.80	2.40	ppb
Phosphorus	31-2	10652.34	9874.68	10664.95	10397.32	4.35	ppb
Potassium	39-2	129526.82	125959.96	125735.83	127074.20	1.67	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	77-2	505.31	514.36	485.12	501.60	2.98	ppb
Selenium	78-2	483.52	481.38	519.12	494.67	4.29	ppb
Selenium	82-1	487.59	494.18	499.89	493.89	1.25	ppb
Silicon	28-1	509.99	509.76	532.77	517.51	2.55	ppb
Silver	109-1	503.61	510.84	508.64	507.70	0.73	ppb
Silver	107-1	498.84	510.49	509.47	506.27	1.27	ppb
Sodium	23-2	259136.11	249770.69	247969.13	252291.98	2.38	ppb
Strontium	86-1	511.71	515.16	517.23	514.70	0.54	ppb
Strontium	88-1	513.67	512.58	514.94	513.73	0.23	ppb
Sulfur	34-1	10473.02	10447.91	11181.39	10700.78	3.89	ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	504.94	505.90	511.04	507.29	0.65	ppb
Thallium	205-1	508.47	502.20	512.00	507.56	0.98	ppb
Tin	118-1	518.77	523.79	529.02	523.86	0.98	ppb
Titanium	47-1	494.03	487.58	505.02	495.54	1.78	ppb
Uranium	238-1	502.25	499.48	514.64	505.46	1.60	ppb
Vanadium	51-2	516.52	499.96	498.45	504.98	1.99	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	992.18	967.10	966.76	975.35	1.49	ppb
Zirconium	90-1	492.76	499.81	500.11	497.56	0.84	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P8
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:00:10	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	490.29	502.32	501.04	497.88	1.33	ppb

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : CCB032 Instrumnet Name : P8
 Client Sample ID : CCB032 Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 16:03:27 DataFile Name : 019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.28	-0.68	1.35	0.99	153.55	ppb
Antimony	121-1	0.30	0.26	0.26	0.27	8.23	ppb
Arsenic	75-2	-0.02	-0.02	-0.02	-0.02		ppb
Barium	135-1	0.00	-0.02	0.00	-0.01		ppb
Barium	137-1	-0.01	-0.02	-0.01	-0.02		ppb
Beryllium	9-1	0.06	0.05	0.07	0.06	14.14	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	16.05	14.19	12.96	14.40	10.82	ppb
Boron	11-1	15.05	13.39	13.07	13.83	7.68	ppb
Cadmium	111-1	-0.05	-0.09	-0.03	-0.06		ppb
Cadmium	106-1	-0.73	-1.18	-0.40	-0.77		ppb
Cadmium	108-1	0.03	0.11	0.11	0.08	59.61	ppb
Calcium	43-1	-0.89	-11.16	7.62	-1.48		ppb
Calcium	44-1	27.11	30.93	29.29	29.11	6.58	ppb
Chromium	52-2	-0.02	-0.01	-0.04	-0.02		ppb
Cobalt	59-2	-0.01	0.01	0.00	0.00	640.63	ppb
Copper	63-2	0.04	0.08	0.06	0.06	31.53	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				102		%
Indium	115-2				101		%
Iron	56-2	0.94	0.91	1.15	1.00	13.20	ppb
Iron	57-2	1.53	0.69	1.34	1.19	37.37	ppb
Lead	206-1	0.07	0.07	0.08	0.07	11.57	ppb
Lead	207-1	0.06	0.04	0.04	0.05	19.48	ppb
Lead	208-1	0.05	0.05	0.06	0.05	5.45	ppb
Lithium	6-1				103		%
Magnesium	24-2	2.86	1.63	-0.34	1.38	116.81	ppb
Manganese	55-2	0.04	0.10	0.11	0.08	46.87	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P8
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:03:27	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.05	0.06	0.07	0.06	16.73	ppb
Molybdenum	95-1	0.04	0.03	0.02	0.03	36.00	ppb
Molybdenum	96-1	0.03	0.03	0.03	0.03	4.08	ppb
Molybdenum	97-1	0.07	0.08	0.04	0.06	31.64	ppb
Molybdenum	98-1	0.03	0.04	0.04	0.03	7.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.03	0.02	-0.01		ppb
Phosphorus	31-2	-36.74	-23.92	-10.54	-23.73		ppb
Potassium	39-2	33.18	33.89	36.66	34.58	5.32	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.30	0.30	-0.16	0.14	185.16	ppb
Selenium	82-1	0.97	-0.10	0.46	0.44	119.94	ppb
Silicon	28-1	-12.95	-13.73	-15.86	-14.18		ppb
Silver	109-1	0.03	0.02	0.02	0.03	23.72	ppb
Silver	107-1	0.03	0.04	0.03	0.04	14.64	ppb
Sodium	23-2	90.53	89.74	81.72	87.33	5.58	ppb
Strontium	86-1	-0.03	-0.01	-0.06	-0.03		ppb
Strontium	88-1	-0.01	0.00	0.00	0.00		ppb
Sulfur	34-1	-1643.88	-1491.11	-1507.43	-1547.48		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.08	0.06	0.06	0.07	17.25	ppb
Thallium	205-1	0.07	0.05	0.05	0.06	16.35	ppb
Tin	118-1	0.06	0.03	0.05	0.05	28.83	ppb
Titanium	47-1	-0.04	0.01	-0.05	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	1980.99	ppb
Vanadium	51-2	0.00	0.00	-0.01	0.00		ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	0.14	0.12	0.08	0.11	27.23	ppb
Zirconium	90-1	0.07	0.06	0.06	0.06	12.05	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P8
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:03:27	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.08	0.08	0.07	0.08	10.32	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:06:35	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.45	30.25	14.61	21.44	37.35	ppb
Antimony	121-1	1.93	1.97	2.00	1.97	1.94	ppb
Arsenic	75-2	1.06	0.85	0.86	0.92	12.77	ppb
Barium	135-1	9.18	9.20	9.21	9.20	0.18	ppb
Barium	137-1	9.18	9.38	9.30	9.28	1.07	ppb
Beryllium	9-1	0.94	0.95	0.88	0.92	4.25	ppb
Bismuth	209-1				99		%
Bismuth	209-2				99		%
Boron	10-1	30.49	29.27	27.80	29.19	4.62	ppb
Boron	11-1	28.02	28.40	29.70	28.71	3.05	ppb
Cadmium	111-1	0.95	0.96	0.86	0.93	5.68	ppb
Cadmium	106-1	0.14	0.87	-0.27	0.25	234.39	ppb
Cadmium	108-1	0.79	1.05	0.96	0.93	13.81	ppb
Calcium	43-1	402.10	438.06	403.20	414.45	4.93	ppb
Calcium	44-1	448.58	445.86	452.02	448.82	0.69	ppb
Chromium	52-2	1.96	1.89	1.79	1.88	4.48	ppb
Cobalt	59-2	0.81	0.85	0.91	0.86	5.82	ppb
Copper	63-2	1.99	1.97	2.03	2.00	1.40	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				102		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	45.72	45.85	46.76	46.11	1.23	ppb
Iron	57-2	50.55	47.98	42.61	47.05	8.61	ppb
Lead	206-1	1.06	0.93	0.94	0.98	7.80	ppb
Lead	207-1	1.04	0.98	0.98	1.00	3.57	ppb
Lead	208-1	1.01	0.99	0.97	0.99	1.83	ppb
Lithium	6-1				103		%
Magnesium	24-2	457.25	453.74	455.25	455.41	0.39	ppb
Manganese	55-2	0.82	0.94	0.72	0.83	13.48	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:06:35	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1.96	2.01	2.04	2.00	2.08	ppb
Molybdenum	95-1	4.14	4.31	4.36	4.27	2.76	ppb
Molybdenum	96-1	3.76	3.74	3.83	3.78	1.17	ppb
Molybdenum	97-1	4.25	4.36	4.19	4.27	2.07	ppb
Molybdenum	98-1	4.34	4.31	4.34	4.33	0.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.96	0.92	0.92	0.93	2.22	ppb
Phosphorus	31-2	-36.74	39.06	-11.73	-3.14		ppb
Potassium	39-2	494.34	490.52	473.14	486.00	2.32	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	77-2	2.93	11.78	5.91	6.87	65.56	ppb
Selenium	78-2	3.95	6.74	2.60	4.43	47.65	ppb
Selenium	82-1	4.80	4.58	4.82	4.73	2.81	ppb
Silicon	28-1	-3.81	-3.63	-3.76	-3.73		ppb
Silver	109-1	1.29	1.30	1.33	1.31	1.44	ppb
Silver	107-1	1.34	1.25	1.31	1.30	3.63	ppb
Sodium	23-2	523.78	525.03	511.37	520.06	1.45	ppb
Strontium	86-1	0.84	0.84	0.77	0.82	5.36	ppb
Strontium	88-1	0.92	0.91	0.93	0.92	0.99	ppb
Sulfur	34-1	-1699.00	-1488.39	-1444.41	-1543.93		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.98	0.93	0.87	0.93	5.94	ppb
Thallium	205-1	0.95	0.92	0.98	0.95	3.46	ppb
Tin	118-1	4.50	4.89	4.71	4.70	4.20	ppb
Titanium	47-1	3.88	4.37	4.06	4.10	6.00	ppb
Uranium	238-1	0.82	0.84	0.83	0.83	1.21	ppb
Vanadium	51-2	4.44	4.61	4.44	4.50	2.20	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	1.87	1.90	1.96	1.91	2.37	ppb
Zirconium	90-1	0.98	0.92	0.92	0.94	3.96	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:06:35	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.89	0.95	0.89	0.91	4.00	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:09:44	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.05	1.24	0.27	1.85	106.06	ppb
Antimony	121-1	0.05	0.04	0.06	0.05	21.54	ppb
Arsenic	75-2	0.01	0.00	-0.01	0.00		ppb
Barium	135-1	-0.01	0.00	-0.01	-0.01		ppb
Barium	137-1	-0.02	-0.02	-0.01	-0.02		ppb
Beryllium	9-1	0.03	0.01	0.02	0.02	30.37	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Boron	10-1	6.97	7.06	6.26	6.76	6.51	ppb
Boron	11-1	7.67	7.23	6.89	7.26	5.36	ppb
Cadmium	111-1	-0.02	-0.05	-0.03	-0.04		ppb
Cadmium	106-1	-0.31	-0.76	-0.47	-0.51		ppb
Cadmium	108-1	0.06	-0.06	0.06	0.02	358.96	ppb
Calcium	43-1	15.16	-19.53	-15.65	-6.67		ppb
Calcium	44-1	25.93	16.98	16.41	19.77	27.00	ppb
Chromium	52-2	0.00	-0.05	-0.13	-0.06		ppb
Cobalt	59-2	-0.01	0.01	-0.01	0.00		ppb
Copper	63-2	0.04	0.05	0.04	0.04	5.51	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				101		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	0.13	0.41	0.41	0.32	51.03	ppb
Iron	57-2	0.82	0.34	1.96	1.04	80.39	ppb
Lead	206-1	0.04	0.03	0.03	0.04	16.54	ppb
Lead	207-1	0.03	0.04	0.04	0.04	17.58	ppb
Lead	208-1	0.04	0.04	0.04	0.04	5.34	ppb
Lithium	6-1				103		%
Magnesium	24-2	1.30	0.76	2.74	1.60	63.83	ppb
Manganese	55-2	0.08	0.00	-0.05	0.01	713.30	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:09:44	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.02	0.02	0.02	0.02	23.60	ppb
Molybdenum	95-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	128.98	ppb
Molybdenum	97-1	0.02	0.01	0.02	0.02	10.50	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	192.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.03	-0.05	-0.04		ppb
Phosphorus	31-2	-24.31	-36.74	-24.15	-28.40		ppb
Potassium	39-2	9.27	-2.77	-1.29	1.73	378.38	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.29	0.29	1.66	0.75	106.15	ppb
Selenium	82-1	-0.27	0.30	0.10	0.05	631.23	ppb
Silicon	28-1	-10.29	-16.80	-16.24	-14.44		ppb
Silver	109-1	0.02	0.02	0.03	0.02	20.22	ppb
Silver	107-1	0.03	0.03	0.02	0.03	30.30	ppb
Sodium	23-2	37.19	44.77	40.59	40.85	9.30	ppb
Strontium	86-1	-0.04	-0.01	0.03	0.00		ppb
Strontium	88-1	0.00	-0.01	0.00	0.00		ppb
Sulfur	34-1	-774.46	-1594.47	-1661.96	-1343.63		ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.03	0.04	0.02	0.03	28.33	ppb
Thallium	205-1	0.02	0.03	0.03	0.03	7.31	ppb
Tin	118-1	-0.03	0.00	-0.03	-0.02		ppb
Titanium	47-1	0.02	0.05	0.00	0.02	93.35	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	0.00	0.00	0.00		ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	0.08	0.16	0.02	0.08	84.21	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	12.72	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:09:44	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.03	0.03	0.02	0.03	17.55	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:12:53	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36.72	49.73	48.33	44.93	15.91	ppb
Antimony	121-1	3.99	3.98	4.01	3.99	0.36	ppb
Arsenic	75-2	1.92	2.35	1.81	2.03	13.98	ppb
Barium	135-1	18.86	19.26	19.65	19.26	2.04	ppb
Barium	137-1	18.45	19.46	19.22	19.04	2.78	ppb
Beryllium	9-1	1.99	1.81	1.85	1.88	4.98	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Boron	10-1	46.34	50.60	48.02	48.32	4.45	ppb
Boron	11-1	46.85	48.86	48.90	48.21	2.43	ppb
Cadmium	111-1	1.89	2.11	2.03	2.01	5.37	ppb
Cadmium	106-1	1.05	1.98	2.91	1.98	46.87	ppb
Cadmium	108-1	1.77	1.91	2.02	1.90	6.67	ppb
Calcium	43-1	873.69	849.76	884.84	869.43	2.06	ppb
Calcium	44-1	898.29	911.38	912.72	907.47	0.88	ppb
Chromium	52-2	3.90	3.96	3.71	3.85	3.42	ppb
Cobalt	59-2	1.89	1.80	1.96	1.88	4.24	ppb
Copper	63-2	3.88	4.09	4.02	4.00	2.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	377.30	381.43	385.34	381.36	1.05	ppb
Iron	57-2	367.73	383.46	365.05	372.08	2.67	ppb
Lead	206-1	2.26	2.10	2.20	2.19	3.47	ppb
Lead	207-1	2.17	2.06	2.08	2.10	2.74	ppb
Lead	208-1	2.17	2.08	2.14	2.13	2.18	ppb
Lithium	6-1				103		%
Magnesium	24-2	937.95	932.28	927.34	932.52	0.57	ppb
Manganese	55-2	2.19	2.06	1.92	2.05	6.55	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:12:53	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.06	4.20	4.21	4.16	2.10	ppb
Molybdenum	95-1	9.03	8.82	9.16	9.01	1.91	ppb
Molybdenum	96-1	7.61	7.76	7.76	7.71	1.13	ppb
Molybdenum	97-1	9.01	8.55	8.96	8.84	2.83	ppb
Molybdenum	98-1	8.77	8.89	9.19	8.95	2.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.19	1.97	1.99	2.05	6.06	ppb
Phosphorus	31-2	-24.21	-11.40	1.68	-11.31		ppb
Potassium	39-2	949.77	999.83	990.86	980.15	2.72	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	77-2	8.77	17.46	8.85	11.69	42.72	ppb
Selenium	78-2	6.67	7.09	10.89	8.22	28.23	ppb
Selenium	82-1	10.27	9.79	9.96	10.01	2.43	ppb
Silicon	28-1	8.58	8.78	11.78	9.71	18.48	ppb
Silver	109-1	2.05	2.11	2.06	2.07	1.58	ppb
Silver	107-1	2.15	2.08	2.13	2.12	1.65	ppb
Sodium	23-2	1016.24	1007.82	1013.00	1012.35	0.42	ppb
Strontium	86-1	1.85	2.05	1.91	1.94	5.09	ppb
Strontium	88-1	1.93	1.97	1.98	1.96	1.25	ppb
Sulfur	34-1	-1648.10	-1414.10	-1229.17	-1430.46		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	1.85	1.99	1.90	1.91	3.56	ppb
Thallium	205-1	1.89	1.86	1.89	1.88	0.79	ppb
Tin	118-1	9.41	9.90	9.59	9.63	2.55	ppb
Titanium	47-1	9.39	8.79	9.09	9.09	3.32	ppb
Uranium	238-1	1.83	1.76	1.78	1.79	2.13	ppb
Vanadium	51-2	9.12	9.56	9.45	9.38	2.43	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	3.71	3.92	4.34	3.99	8.05	ppb
Zirconium	90-1	1.90	1.97	1.94	1.94	1.91	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:12:53	DataFile Name :	022LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	1.99	1.92	1.88	1.93	2.98	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	I4260-11	Instrumnet Name :	P8
Client Sample ID :	MBDX34	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:16:02	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.80	3.02	2.02	2.62	20.10	ppb
Antimony	121-1	0.03	0.02	0.03	0.03	18.67	ppb
Arsenic	75-2	-0.01	-0.04	-0.03	-0.03		ppb
Barium	135-1	0.00	0.01	0.01	0.01	84.63	ppb
Barium	137-1	-0.01	0.00	0.01	0.00	730.67	ppb
Beryllium	9-1	0.00	0.01	0.04	0.02	139.81	ppb
Bismuth	209-1				107		%
Bismuth	209-2				105		%
Boron	10-1	4.91	4.86	4.92	4.89	0.64	ppb
Boron	11-1	5.62	4.74	5.06	5.14	8.72	ppb
Cadmium	111-1	-0.02	-0.07	0.02	-0.02		ppb
Cadmium	106-1	-0.22	-0.91	0.30	-0.28		ppb
Cadmium	108-1	-0.06	0.00	0.00	-0.02		ppb
Calcium	43-1	-11.60	-20.59	-21.32	-17.84		ppb
Calcium	44-1	4.89	7.61	1.67	4.72	62.90	ppb
Chromium	52-2	-0.29	-0.24	-0.22	-0.25		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	0.04	0.04	0.04	0.04	9.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				109		%
Indium	115-2				108		%
Iron	56-2	0.28	0.01	-0.02	0.09	192.83	ppb
Iron	57-2	0.53	2.85	-0.63	0.92	193.08	ppb
Lead	206-1	0.07	0.04	0.05	0.05	25.60	ppb
Lead	207-1	0.06	0.08	0.06	0.07	12.84	ppb
Lead	208-1	0.06	0.06	0.05	0.06	11.86	ppb
Lithium	6-1				110		%
Magnesium	24-2	0.51	-0.30	1.93	0.71	158.39	ppb
Manganese	55-2	0.01	-0.01	-0.04	-0.01		ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	I4260-11	Instrumnet Name :	P8
Client Sample ID :	MBDX34	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:16:02	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	96-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	97-1	-0.01	0.02	0.01	0.01	161.11	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	0.01	-0.04	-0.03		ppb
Phosphorus	31-2	-25.09	-12.29	-12.70	-16.69		ppb
Potassium	39-2	0.25	8.05	11.85	6.72	88.06	ppb
Rhodium	103-1				110		%
Rhodium	103-2				108		%
Scandium	45-1				111		%
Scandium	45-2				109		%
Selenium	77-2	0.00	2.85	0.00	0.95	173.21	ppb
Selenium	78-2	-0.21	0.71	-0.19	0.11	496.45	ppb
Selenium	82-1	-0.12	0.40	0.14	0.14	187.15	ppb
Silicon	28-1	-28.76	-31.65	-30.99	-30.46		ppb
Silver	109-1	0.03	0.01	0.02	0.02	50.04	ppb
Silver	107-1	0.02	0.03	0.02	0.02	16.80	ppb
Sodium	23-2	28.19	33.22	28.52	29.98	9.39	ppb
Strontium	86-1	0.00	-0.04	-0.09	-0.04		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	101.89	ppb
Sulfur	34-1	-2500.89	-2613.78	-2902.28	-2672.32		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.02	0.02	0.01	0.01	40.70	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	24.52	ppb
Tin	118-1	-0.03	-0.03	-0.04	-0.04		ppb
Titanium	47-1	-0.02	0.03	-0.02	0.00		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	-0.01	-0.01	-0.01		ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	0.66	0.53	0.55	0.58	11.68	ppb
Zirconium	90-1	-0.01	-0.02	0.00	-0.01		ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	I4260-11	Instrumnet Name :	P8
Client Sample ID :	MBDX34	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:16:02	DataFile Name :	023SMPL.d

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

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P8
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:19:42	DataFile Name :	024CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50050.93	51091.39	50408.60	50516.97	1.05	ppb
Antimony	121-1	521.47	513.99	510.20	515.22	1.11	ppb
Arsenic	75-2	504.78	501.76	499.48	502.01	0.53	ppb
Barium	135-1	2595.83	2534.40	2538.00	2556.08	1.35	ppb
Barium	137-1	2547.38	2526.67	2500.86	2524.97	0.92	ppb
Beryllium	9-1	489.89	501.95	500.14	497.33	1.31	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Boron	10-1	484.32	495.54	509.39	496.42	2.53	ppb
Boron	11-1	484.04	508.49	515.02	502.52	3.25	ppb
Cadmium	111-1	503.80	502.11	496.87	500.92	0.72	ppb
Cadmium	106-1	513.52	502.58	507.05	507.72	1.08	ppb
Cadmium	108-1	506.25	497.11	506.25	503.20	1.05	ppb
Calcium	43-1	242696.64	242060.35	241312.75	242023.25	0.29	ppb
Calcium	44-1	241995.55	242642.74	243395.79	242678.03	0.29	ppb
Chromium	52-2	505.99	511.24	517.61	511.61	1.14	ppb
Cobalt	59-2	479.81	485.72	483.47	483.00	0.62	ppb
Copper	63-2	976.11	966.37	962.65	968.38	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	121918.89	123027.55	122882.01	122609.48	0.49	ppb
Iron	57-2	123763.34	126118.06	124688.78	124856.73	0.95	ppb
Lead	206-1	502.54	504.67	509.61	505.61	0.72	ppb
Lead	207-1	495.71	506.34	507.17	503.08	1.27	ppb
Lead	208-1	501.31	505.06	507.43	504.60	0.61	ppb
Lithium	6-1				101		%
Magnesium	24-2	247699.76	252564.89	250579.66	250281.44	0.98	ppb
Manganese	55-2	1007.00	1021.12	1022.66	1016.93	0.85	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P8
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:19:42	DataFile Name :	024CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	487.75	496.10	493.54	492.46	0.87	ppb
Molybdenum	95-1	494.84	505.64	505.02	501.83	1.21	ppb
Molybdenum	96-1	494.35	500.71	504.24	499.77	1.00	ppb
Molybdenum	97-1	498.17	495.93	502.87	498.99	0.71	ppb
Molybdenum	98-1	498.55	501.38	509.73	503.22	1.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	486.68	489.42	488.27	488.12	0.28	ppb
Phosphorus	31-2	10222.27	10377.56	10580.84	10393.55	1.73	ppb
Potassium	39-2	124997.27	125809.18	126293.92	125700.12	0.52	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				104		%
Scandium	45-2				103		%
Selenium	77-2	499.83	487.13	457.84	481.60	4.47	ppb
Selenium	78-2	483.10	481.98	493.00	486.03	1.25	ppb
Selenium	82-1	486.68	489.31	492.66	489.55	0.61	ppb
Silicon	28-1	505.51	515.88	516.99	512.79	1.24	ppb
Silver	109-1	513.58	507.28	509.06	509.97	0.64	ppb
Silver	107-1	514.31	508.61	510.27	511.06	0.57	ppb
Sodium	23-2	250058.43	253254.15	252074.19	251795.59	0.64	ppb
Strontium	86-1	511.91	519.79	517.35	516.35	0.78	ppb
Strontium	88-1	505.32	515.47	513.86	511.55	1.07	ppb
Sulfur	34-1	11212.83	10936.09	11178.48	11109.14	1.36	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	502.19	508.23	499.82	503.41	0.86	ppb
Thallium	205-1	499.73	505.75	508.44	504.64	0.88	ppb
Tin	118-1	528.78	516.29	516.49	520.52	1.37	ppb
Titanium	47-1	485.86	490.90	488.31	488.36	0.52	ppb
Uranium	238-1	503.57	503.37	507.12	504.69	0.42	ppb
Vanadium	51-2	499.76	504.49	505.01	503.09	0.58	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	953.17	975.80	980.88	969.95	1.52	ppb
Zirconium	90-1	483.71	487.72	496.83	489.42	1.37	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P8
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:19:42	DataFile Name :	024CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	485.57	495.04	493.13	491.25	1.02	ppb

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : CCB033 Instrumnet Name : P8
 Client Sample ID : CCB033 Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 16:22:40 DataFile Name : 025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.66	-0.69	-0.69	-1.01		ppb
Antimony	121-1	0.26	0.30	0.26	0.27	8.91	ppb
Arsenic	75-2	-0.01	-0.02	0.03	0.00	896.77	ppb
Barium	135-1	-0.01	0.00	-0.02	-0.01		ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.04	0.08	0.08	0.07	31.40	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Boron	10-1	16.01	15.03	13.11	14.72	10.04	ppb
Boron	11-1	14.39	13.39	12.56	13.45	6.79	ppb
Cadmium	111-1	0.05	-0.06	0.00	0.00		ppb
Cadmium	106-1	0.55	-0.84	0.01	-0.09		ppb
Cadmium	108-1	0.03	0.06	0.03	0.04	50.14	ppb
Calcium	43-1	6.46	11.21	-8.72	2.98	349.01	ppb
Calcium	44-1	23.57	26.68	19.39	23.21	15.76	ppb
Chromium	52-2	-0.05	0.03	0.02	0.00	4525.98	ppb
Cobalt	59-2	-0.01	0.00	-0.01	0.00		ppb
Copper	63-2	-0.02	0.00	0.02	0.00	880.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	56-2	0.71	0.67	0.76	0.71	6.47	ppb
Iron	57-2	1.68	1.42	2.26	1.79	24.09	ppb
Lead	206-1	0.06	0.06	0.07	0.06	8.03	ppb
Lead	207-1	0.05	0.09	0.05	0.06	33.53	ppb
Lead	208-1	0.06	0.06	0.05	0.06	11.20	ppb
Lithium	6-1				102		%
Magnesium	24-2	0.56	1.36	2.37	1.43	63.64	ppb
Manganese	55-2	0.04	-0.06	-0.02	-0.01		ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P8
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:22:40	DataFile Name :	025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.06	0.06	0.08	0.07	21.31	ppb
Molybdenum	95-1	0.03	0.01	0.01	0.02	63.89	ppb
Molybdenum	96-1	0.03	0.04	0.03	0.03	9.20	ppb
Molybdenum	97-1	0.03	0.03	0.03	0.03	6.25	ppb
Molybdenum	98-1	0.01	0.03	0.02	0.02	46.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.01	-0.01	-0.02		ppb
Phosphorus	31-2	-24.17	-11.53	-36.74	-24.15		ppb
Potassium	39-2	36.07	26.93	12.63	25.21	46.85	ppb
Rhodium	103-1				101		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	2.99	-0.17	1.67	1.50	105.98	ppb
Selenium	82-1	0.89	-0.72	0.12	0.10	827.31	ppb
Silicon	28-1	-12.25	-9.47	-15.52	-12.42		ppb
Silver	109-1	0.02	0.03	0.02	0.02	19.54	ppb
Silver	107-1	0.02	0.04	0.04	0.03	30.97	ppb
Sodium	23-2	78.55	78.69	75.43	77.56	2.37	ppb
Strontium	86-1	-0.04	-0.03	-0.03	-0.03		ppb
Strontium	88-1	-0.01	0.00	0.00	0.00		ppb
Sulfur	34-1	-1471.86	-889.64	-1460.17	-1273.89		ppb
Terbium	159-1				101		%
Terbium	159-2				103		%
Thallium	203-1	0.07	0.08	0.05	0.07	28.47	ppb
Thallium	205-1	0.08	0.07	0.07	0.08	8.60	ppb
Tin	118-1	0.07	0.08	0.09	0.08	8.86	ppb
Titanium	47-1	-0.03	-0.01	0.04	0.00	1803.18	ppb
Uranium	238-1	0.00	0.00	-0.01	0.00		ppb
Vanadium	51-2	0.02	0.00	-0.01	0.00	468.68	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	0.17	0.13	0.13	0.14	18.26	ppb
Zirconium	90-1	0.07	0.08	0.07	0.07	10.97	ppb

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P8
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:22:40	DataFile Name :	025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	91-1	0.10	0.10	0.08	0.09	11.75	ppb

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : S00 Instrumnet Name : P8
 Client Sample ID : S00 Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:11:05 DataFile Name : 003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25	8	8	14	69.31	cps
Antimony	121-1	75	17	42	44	65.85	cps
Arsenic	75-2	6	7	6	6	17.29	cps
Barium	135-1	42	58	58	53	18.23	cps
Barium	137-1	83	92	108	94	13.48	cps
Beryllium	9-1	50	67	61	59	14.32	cps
Bismuth	209-1	3702697	3691735	3654938	3683123	0.68	cps
Bismuth	209-2	1453853	1441816	1431666	1442445	0.77	cps
Boron	10-1	217	183	292	231	24.07	cps
Boron	11-1	942	967	917	942	2.65	cps
Cadmium	111-1	1226	1061	1187	1158	7.41	cps
Cadmium	106-1	1725	1508	1700	1645	7.21	cps
Cadmium	108-1	4	4	17	8	86.57	cps
Calcium	43-1	4218	4143	3859	4073	4.64	cps
Calcium	44-1	58867	57971	56331	57723	2.23	cps
Chromium	52-2	1217	1183	1207	1202	1.42	cps
Cobalt	59-2	97	47	60	68	38.20	cps
Copper	63-2	307	350	327	328	6.62	cps
Dysprosium	156-1	25	33	17	25	33.32	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	25	50	17	31	56.77	cps
Erbium	164-2	0	7	3	3	100.05	cps
Gadolinium	160-1	67	8	75	50	72.65	cps
Gadolinium	160-2	13	20	20	18	21.66	cps
Holmium	165-1	6529856	6511717	6326004	6455859	1.75	cps
Holmium	165-2	2014786	2020351	1991315	2008817	0.77	cps
Indium	115-1	6391696	6425357	6204743	6340598	1.87	cps
Indium	115-2	393791	389250	390027	391023	0.62	cps
Iron	56-2	2656	2656	2606	2639	1.09	cps
Iron	57-2	78	94	50	74	30.31	cps
Lead	206-1	233	267	211	237	11.80	cps
Lead	207-1	222	233	239	231	3.67	cps
Lead	208-1	1017	1061	994	1024	3.31	cps
Lithium	6-1	1069087	1065297	1048453	1060946	1.04	cps
Magnesium	24-2	108	75	133	106	27.73	cps
Manganese	55-2	67	30	60	52	37.40	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:11:05	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	175	217	267	219	20.92	cps
Molybdenum	95-1	67	92	75	78	16.37	cps
Molybdenum	96-1	192	167	117	158	24.12	cps
Molybdenum	97-1	83	50	67	67	25.00	cps
Molybdenum	98-1	67	83	92	81	15.80	cps
Neodymium	150-1	0	13	33	16	107.87	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	87	113	100	100	13.33	cps
Phosphorus	31-2	25	42	8	25	66.68	cps
Potassium	39-2	3692	4034	3909	3878	4.46	cps
Rhodium	103-1	6112457	6206867	5957734	6092353	2.06	cps
Rhodium	103-2	1951886	1957038	1966010	1958311	0.36	cps
Scandium	45-1	4168924	4143885	4170919	4161243	0.36	cps
Scandium	45-2	42451	42461	41144	42018	1.80	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	2	4	2	43.30	cps
Selenium	82-1	-43	-194	-67	-101	-80.14	cps
Silicon	28-1	564659	559320	572420	565466	1.16	cps
Silver	109-1	58	67	58	61	7.87	cps
Silver	107-1	33	58	42	44	28.65	cps
Sodium	23-2	3434	3276	3109	3273	4.97	cps
Strontium	86-1	1617	1308	1634	1520	12.05	cps
Strontium	88-1	350	267	367	328	16.35	cps
Sulfur	34-1	463237	462671	465649	463852	0.34	cps
Terbium	159-1	6895621	6912163	6739986	6849257	1.39	cps
Terbium	159-2	1959111	2016272	1942749	1972711	1.96	cps
Thallium	203-1	92	92	50	78	30.93	cps
Thallium	205-1	125	208	150	161	26.54	cps
Tin	118-1	742	650	892	761	16.06	cps
Titanium	47-1	142	233	208	194	24.37	cps
Uranium	238-1	142	100	67	103	36.56	cps
Vanadium	51-2	13	10	13	12	15.73	cps
Yttrium	89-1	7122414	7165059	6929764	7072412	1.77	cps
Yttrium	89-2	289202	292192	288450	289948	0.68	cps
Zinc	66-2	53	53	47	51	7.52	cps
Zirconium	90-1	425	575	800	600	31.49	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:11:05	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	92	108	142	114	22.35	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:18:12	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	200	158	192	183	12.03	cps
Antimony	121-1	16803	17379	17796	17326	2.88	cps
Arsenic	75-2	143	104	159	135	21.09	cps
Barium	135-1	16711	16995	16444	16717	1.65	cps
Barium	137-1	28791	29726	28933	29150	1.73	cps
Beryllium	9-1	1450	1545	1378	1458	5.73	cps
Bismuth	209-1	3606356	3491817	3652997	3583723	2.31	cps
Bismuth	209-2	1440044	1430197	1435963	1435402	0.34	cps
Boron	10-1	4351	4451	4142	4315	3.65	cps
Boron	11-1	19147	19572	19189	19303	1.21	cps
Cadmium	111-1	3157	2844	3018	3006	5.22	cps
Cadmium	106-1	1867	1667	1792	1775	5.69	cps
Cadmium	108-1	196	188	183	189	3.37	cps
Calcium	43-1	14650	14333	14099	14361	1.92	cps
Calcium	44-1	228181	229719	228688	228863	0.34	cps
Chromium	52-2	3561	3511	3404	3492	2.29	cps
Cobalt	59-2	2320	2204	2210	2245	2.92	cps
Copper	63-2	4591	4654	4761	4669	1.84	cps
Dysprosium	156-1	33	8	0	14	124.91	cps
Dysprosium	156-2	0	10	0	3	173.21	cps
Erbium	164-1	17	17	25	19	24.73	cps
Erbium	164-2	13	0	10	8	89.21	cps
Gadolinium	160-1	92	58	75	75	22.22	cps
Gadolinium	160-2	13	17	13	14	13.35	cps
Holmium	165-1	6411980	6108785	6342704	6287823	2.53	cps
Holmium	165-2	1992040	1974749	1990358	1985716	0.48	cps
Indium	115-1	6279586	6040746	6390858	6237063	2.87	cps
Indium	115-2	390198	390020	390816	390345	0.11	cps
Iron	56-2	39802	38598	39484	39295	1.59	cps
Iron	57-2	1072	1100	967	1046	6.72	cps
Lead	206-1	4823	4901	4607	4777	3.20	cps
Lead	207-1	4418	4129	4195	4247	3.56	cps
Lead	208-1	19862	19506	19518	19629	1.03	cps
Lithium	6-1	1066516	1023541	1079241	1056432	2.76	cps
Magnesium	24-2	18287	18229	18396	18304	0.46	cps
Manganese	55-2	413	390	530	444	16.88	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:18:12	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	15660	15977	15785	15807	1.01	cps
Molybdenum	95-1	18488	18947	18739	18725	1.23	cps
Molybdenum	96-1	20850	20750	20842	20814	0.27	cps
Molybdenum	97-1	11672	11747	11664	11694	0.39	cps
Molybdenum	98-1	30135	30410	30953	30499	1.37	cps
Neodymium	150-1	13	27	40	27	50.01	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	770	783	783	779	0.99	cps
Phosphorus	31-2	50	17	0	22	114.56	cps
Potassium	39-2	15993	15985	16394	16124	1.45	cps
Rhodium	103-1	6049824	5818588	6058976	5975796	2.28	cps
Rhodium	103-2	1963960	1918192	1947428	1943193	1.19	cps
Scandium	45-1	4166679	4033790	4148792	4116420	1.75	cps
Scandium	45-2	42347	42070	41819	42079	0.63	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	19	22	24	22	13.08	cps
Selenium	82-1	566	612	642	607	6.28	cps
Silicon	28-1	601531	604746	603830	603369	0.27	cps
Silver	109-1	11764	11681	11405	11617	1.62	cps
Silver	107-1	12340	12757	12682	12593	1.77	cps
Sodium	23-2	48885	49328	48827	49013	0.56	cps
Strontium	86-1	3992	4101	4401	4165	5.08	cps
Strontium	88-1	22094	22494	21801	22130	1.57	cps
Sulfur	34-1	463747	460564	461403	461905	0.36	cps
Terbium	159-1	6797298	6656400	6802192	6751963	1.23	cps
Terbium	159-2	1974187	1979027	1982756	1978657	0.22	cps
Thallium	203-1	5110	5251	5168	5176	1.38	cps
Thallium	205-1	11756	12256	12498	12170	3.11	cps
Tin	118-1	29952	29575	30227	29918	1.09	cps
Titanium	47-1	5826	5576	5876	5760	2.79	cps
Uranium	238-1	14601	14818	14542	14654	0.99	cps
Vanadium	51-2	4211	4061	3854	4042	4.43	cps
Yttrium	89-1	7056071	6793609	7084873	6978184	2.30	cps
Yttrium	89-2	293716	288845	290385	290982	0.86	cps
Zinc	66-2	500	437	410	449	10.30	cps
Zirconium	90-1	13282	14433	13349	13688	4.72	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:18:12	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	3034	2967	3084	3028	1.93	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:21:40	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8136	8620	8361	8372	2.89	cps
Antimony	121-1	483134	487809	488777	486573	0.62	cps
Arsenic	75-2	7912	7778	7389	7693	3.53	cps
Barium	135-1	480471	479187	476384	478680	0.44	cps
Barium	137-1	820154	831282	827780	826405	0.69	cps
Beryllium	9-1	81251	81715	81905	81623	0.41	cps
Bismuth	209-1	3718270	3656217	3740907	3705131	1.18	cps
Bismuth	209-2	1476499	1486376	1474398	1479091	0.43	cps
Boron	10-1	9395	9745	9512	9551	1.87	cps
Boron	11-1	42104	43233	45013	43450	3.37	cps
Cadmium	111-1	111023	112394	113050	112156	0.92	cps
Cadmium	106-1	13724	12999	12982	13235	3.20	cps
Cadmium	108-1	7744	8036	8257	8012	3.21	cps
Calcium	43-1	125675	124433	126498	125535	0.83	cps
Calcium	44-1	2065202	2084416	2058229	2069283	0.66	cps
Chromium	52-2	62777	62733	62545	62685	0.20	cps
Cobalt	59-2	126484	127046	127090	126873	0.27	cps
Copper	63-2	218210	218632	218072	218305	0.13	cps
Dysprosium	156-1	25	8	8	14	69.31	cps
Dysprosium	156-2	0	10	0	3	173.21	cps
Erbium	164-1	58	25	67	50	44.10	cps
Erbium	164-2	3	20	3	9	108.30	cps
Gadolinium	160-1	67	33	67	56	34.65	cps
Gadolinium	160-2	20	7	23	17	52.90	cps
Holmium	165-1	6515163	6379268	6493742	6462724	1.13	cps
Holmium	165-2	2026230	2051973	2035810	2038004	0.64	cps
Indium	115-1	6415914	6298914	6385993	6366941	0.95	cps
Indium	115-2	394765	397657	397990	396804	0.45	cps
Iron	56-2	2119857	2136584	2127196	2127879	0.39	cps
Iron	57-2	53771	53352	52655	53259	1.06	cps
Lead	206-1	227242	225727	231131	228034	1.22	cps
Lead	207-1	205904	205723	207143	206257	0.37	cps
Lead	208-1	922747	920641	930733	924707	0.58	cps
Lithium	6-1	1081734	1051857	1066953	1066848	1.40	cps
Magnesium	24-2	209133	214029	209903	211022	1.25	cps
Manganese	55-2	36976	37450	36371	36932	1.47	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	387912	387653	392169	389245	0.65	cps
Molybdenum	95-1	216340	219896	220412	218882	1.01	cps
Molybdenum	96-1	276585	275490	278710	276928	0.59	cps
Molybdenum	97-1	135160	134276	134075	134504	0.43	cps
Molybdenum	98-1	350557	346624	348146	348442	0.57	cps
Neodymium	150-1	40	20	20	27	43.30	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	37233	37430	37848	37504	0.84	cps
Phosphorus	31-2	608	642	675	642	5.19	cps
Potassium	39-2	72453	70736	73207	72132	1.76	cps
Rhodium	103-1	6088324	5968564	6091674	6049521	1.16	cps
Rhodium	103-2	1942552	1974217	1968049	1961606	0.86	cps
Scandium	45-1	4201147	4123827	4149979	4158317	0.95	cps
Scandium	45-2	42457	42926	42036	42473	1.05	cps
Selenium	77-2	57	63	83	68	20.48	cps
Selenium	78-2	215	211	211	212	1.01	cps
Selenium	82-1	7212	7381	7271	7288	1.18	cps
Silicon	28-1	848737	850255	857060	852017	0.52	cps
Silver	109-1	513138	513132	522067	516112	1.00	cps
Silver	107-1	546096	540857	550866	545940	0.92	cps
Sodium	23-2	516506	510895	513085	513495	0.55	cps
Strontium	86-1	145620	143995	143851	144488	0.68	cps
Strontium	88-1	1221493	1222996	1237132	1227207	0.70	cps
Sulfur	34-1	513541	511291	511070	511967	0.27	cps
Terbium	159-1	6981009	6746120	6962756	6896628	1.89	cps
Terbium	159-2	1995635	1972570	1976494	1981566	0.62	cps
Thallium	203-1	284106	283008	283103	283406	0.21	cps
Thallium	205-1	675148	668457	675402	673002	0.59	cps
Tin	118-1	334584	336829	341470	337628	1.04	cps
Titanium	47-1	63018	64474	63067	63520	1.30	cps
Uranium	238-1	801740	813328	805357	806808	0.73	cps
Vanadium	51-2	45066	45350	44965	45127	0.44	cps
Yttrium	89-1	7173573	6939972	7066295	7059947	1.66	cps
Yttrium	89-2	293280	295535	293512	294109	0.42	cps
Zinc	66-2	21423	21333	21190	21315	0.55	cps
Zirconium	90-1	745879	747498	742862	745413	0.32	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	165586	165875	163791	165084	0.68	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:25:12	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20958	21258	21409	21208	1.08	cps
Antimony	121-1	1244361	1234321	1244843	1241175	0.48	cps
Arsenic	75-2	19262	19349	19252	19288	0.28	cps
Barium	135-1	1198615	1203714	1222822	1208384	1.06	cps
Barium	137-1	2071533	2082738	2119944	2091405	1.21	cps
Beryllium	9-1	204269	202375	201586	202744	0.68	cps
Bismuth	209-1	3744912	3805182	3794832	3781642	0.85	cps
Bismuth	209-2	1484554	1494340	1483131	1487342	0.41	cps
Boron	10-1	22794	23553	24371	23573	3.35	cps
Boron	11-1	108760	107878	109037	108558	0.56	cps
Cadmium	111-1	279937	281286	285349	282191	1.00	cps
Cadmium	106-1	28790	31187	30494	30157	4.09	cps
Cadmium	108-1	19769	19540	19928	19745	0.99	cps
Calcium	43-1	308504	308802	313353	310220	0.88	cps
Calcium	44-1	5069196	4983300	5044647	5032381	0.88	cps
Chromium	52-2	157116	155340	155354	155937	0.65	cps
Cobalt	59-2	318749	316386	315466	316867	0.53	cps
Copper	63-2	542895	547553	546171	545540	0.44	cps
Dysprosium	156-1	42	33	50	42	20.00	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	50	33	42	42	20.00	cps
Erbium	164-2	10	10	3	8	49.52	cps
Gadolinium	160-1	92	75	67	78	16.37	cps
Gadolinium	160-2	17	7	7	10	57.72	cps
Holmium	165-1	6711754	6663721	6733904	6703126	0.54	cps
Holmium	165-2	2039601	2073460	2024573	2045878	1.22	cps
Indium	115-1	6524409	6436936	6532905	6498083	0.82	cps
Indium	115-2	399729	399627	396323	398560	0.49	cps
Iron	56-2	5266081	5253536	5268703	5262774	0.15	cps
Iron	57-2	132642	132638	130925	132068	0.75	cps
Lead	206-1	577422	571567	584623	577871	1.13	cps
Lead	207-1	523162	512651	522063	519292	1.11	cps
Lead	208-1	2338176	2317894	2355485	2337185	0.81	cps
Lithium	6-1	1088114	1093918	1080990	1087674	0.60	cps
Magnesium	24-2	528547	529770	525014	527777	0.47	cps
Manganese	55-2	92903	91178	91510	91864	1.00	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	989245	991306	999110	993220	0.52	cps
Molybdenum	95-1	549422	548702	560011	552712	1.15	cps
Molybdenum	96-1	697260	707283	707426	703990	0.83	cps
Molybdenum	97-1	340661	339554	343341	341185	0.57	cps
Molybdenum	98-1	876026	886638	877484	880049	0.65	cps
Neodymium	150-1	60	20	60	47	49.49	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	93149	93286	92629	93021	0.37	cps
Phosphorus	31-2	1709	1900	1667	1759	7.08	cps
Potassium	39-2	178315	176847	174578	176580	1.07	cps
Rhodium	103-1	6192355	6161684	6169522	6174520	0.26	cps
Rhodium	103-2	1992375	1975714	1968357	1978815	0.62	cps
Scandium	45-1	4200655	4255596	4252120	4236124	0.73	cps
Scandium	45-2	42702	42855	43333	42963	0.77	cps
Selenium	77-2	123	127	150	133	10.89	cps
Selenium	78-2	498	519	507	508	2.01	cps
Selenium	82-1	18596	18404	18812	18604	1.10	cps
Silicon	28-1	1128535	1118110	1177345	1141330	2.77	cps
Silver	109-1	1301673	1288657	1320065	1303465	1.21	cps
Silver	107-1	1367352	1374582	1380086	1374007	0.46	cps
Sodium	23-2	1289517	1311271	1284308	1295032	1.10	cps
Strontium	86-1	361505	357811	363581	360966	0.81	cps
Strontium	88-1	3096416	3102631	3110949	3103332	0.23	cps
Sulfur	34-1	570769	567112	572243	570041	0.46	cps
Terbium	159-1	7107717	7016715	7014931	7046454	0.75	cps
Terbium	159-2	2046540	2034344	2033518	2038134	0.36	cps
Thallium	203-1	718528	709459	721256	716414	0.86	cps
Thallium	205-1	1695682	1693537	1701874	1697031	0.26	cps
Tin	118-1	865167	859754	859292	861405	0.38	cps
Titanium	47-1	157829	159381	159869	159026	0.67	cps
Uranium	238-1	2077204	2091158	2098166	2088843	0.51	cps
Vanadium	51-2	112376	112625	111204	112068	0.68	cps
Yttrium	89-1	7284885	7308093	7328377	7307118	0.30	cps
Yttrium	89-2	297210	297122	297001	297111	0.04	cps
Zinc	66-2	53640	54008	54282	53977	0.60	cps
Zirconium	90-1	1903374	1900907	1918293	1907525	0.49	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	414272	411467	422500	416080	1.38	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:28:35	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	41955	41913	42156	42008	0.31	cps
Antimony	121-1	2519658	2517131	2529642	2522143	0.26	cps
Arsenic	75-2	38331	38242	38906	38493	0.94	cps
Barium	135-1	2482846	2485368	2495704	2487973	0.27	cps
Barium	137-1	4254197	4248300	4292194	4264897	0.56	cps
Beryllium	9-1	405658	404511	404711	404960	0.15	cps
Bismuth	209-1	3891167	3844835	3807844	3847949	1.08	cps
Bismuth	209-2	1493138	1500693	1444492	1479441	2.06	cps
Boron	10-1	47471	47664	48742	47959	1.43	cps
Boron	11-1	211555	215519	217323	214799	1.37	cps
Cadmium	111-1	564756	556000	556954	559236	0.86	cps
Cadmium	106-1	59491	59114	59766	59457	0.55	cps
Cadmium	108-1	38221	39182	38915	38773	1.28	cps
Calcium	43-1	612542	611838	611874	612084	0.06	cps
Calcium	44-1	9984708	9907550	9882478	9924912	0.54	cps
Chromium	52-2	306222	308287	308465	307658	0.41	cps
Cobalt	59-2	629039	631703	629326	630023	0.23	cps
Copper	63-2	1075393	1081699	1079056	1078716	0.29	cps
Dysprosium	156-1	75	67	33	58	37.80	cps
Dysprosium	156-2	3	3	13	7	86.65	cps
Erbium	164-1	42	25	58	42	40.00	cps
Erbium	164-2	7	3	7	6	34.70	cps
Gadolinium	160-1	75	100	83	86	14.79	cps
Gadolinium	160-2	10	7	13	10	33.30	cps
Holmium	165-1	6762609	6787726	6811460	6787265	0.36	cps
Holmium	165-2	2042034	2045637	1986597	2024756	1.63	cps
Indium	115-1	6559639	6447535	6509749	6505641	0.86	cps
Indium	115-2	391966	390478	378159	386868	1.96	cps
Iron	56-2	10313250	10357691	10326648	10332530	0.22	cps
Iron	57-2	263213	261357	264038	262869	0.52	cps
Lead	206-1	1170618	1173022	1168452	1170697	0.20	cps
Lead	207-1	1056975	1051273	1056439	1054896	0.30	cps
Lead	208-1	4843182	4776667	4789735	4803195	0.73	cps
Lithium	6-1	1099664	1103823	1088186	1097224	0.74	cps
Magnesium	24-2	1046467	1048498	1054018	1049661	0.37	cps
Manganese	55-2	180826	180100	181516	180814	0.39	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:28:35	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	2050372	2023710	2021501	2031861	0.79	cps
Molybdenum	95-1	1102604	1110831	1105646	1106361	0.38	cps
Molybdenum	96-1	1436227	1425172	1429654	1430351	0.39	cps
Molybdenum	97-1	686131	691962	681019	686370	0.80	cps
Molybdenum	98-1	1843514	1803040	1794880	1813812	1.44	cps
Neodymium	150-1	127	100	73	100	26.66	cps
Neodymium	150-2	0	3	7	3	100.05	cps
Nickel	60-2	183798	184217	183225	183747	0.27	cps
Phosphorus	31-2	3401	3309	2992	3234	6.63	cps
Potassium	39-2	343797	340512	339420	341243	0.67	cps
Rhodium	103-1	6258455	6218280	6190297	6222344	0.55	cps
Rhodium	103-2	1936549	1933592	1869037	1913059	1.99	cps
Scandium	45-1	4255774	4261962	4212006	4243248	0.64	cps
Scandium	45-2	42531	41879	40435	41615	2.58	cps
Selenium	77-2	237	300	323	287	15.64	cps
Selenium	78-2	974	959	1006	980	2.41	cps
Selenium	82-1	37196	37187	37237	37207	0.07	cps
Silicon	28-1	1689193	1691506	1660081	1680260	1.04	cps
Silver	109-1	2677962	2663633	2614653	2652083	1.25	cps
Silver	107-1	2820587	2787124	2800200	2802637	0.60	cps
Sodium	23-2	2530837	2545771	2525004	2533871	0.42	cps
Strontium	86-1	718134	725360	716648	720047	0.65	cps
Strontium	88-1	6227303	6189849	6120759	6179304	0.87	cps
Sulfur	34-1	661089	667351	658995	662479	0.66	cps
Terbium	159-1	7249491	7292304	7170381	7237392	0.85	cps
Terbium	159-2	2031714	2031784	1958199	2007232	2.12	cps
Thallium	203-1	1459692	1448112	1455414	1454406	0.40	cps
Thallium	205-1	3468665	3492047	3465568	3475427	0.42	cps
Tin	118-1	1753582	1745414	1736099	1745032	0.50	cps
Titanium	47-1	319284	317744	316349	317793	0.46	cps
Uranium	238-1	4253335	4159759	4221461	4211518	1.13	cps
Vanadium	51-2	222001	224647	222417	223021	0.64	cps
Yttrium	89-1	7366722	7394199	7274933	7345285	0.85	cps
Yttrium	89-2	296890	290617	282325	289944	2.52	cps
Zinc	66-2	106226	105024	105292	105514	0.60	cps
Zirconium	90-1	3778168	3810136	3771848	3786717	0.54	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:28:35	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	837635	838778	840817	839077	0.19	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:31:52	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	81585	79925	81871	81127	1.29	cps
Antimony	121-1	5160886	5126927	5185887	5157900	0.57	cps
Arsenic	75-2	75752	75497	75341	75530	0.27	cps
Barium	135-1	5073195	5079581	5150778	5101185	0.84	cps
Barium	137-1	8686550	8625487	8781782	8697940	0.91	cps
Beryllium	9-1	804761	797093	797602	799819	0.54	cps
Bismuth	209-1	3998791	4066975	4068865	4044877	0.99	cps
Bismuth	209-2	1527456	1537412	1558378	1541082	1.02	cps
Boron	10-1	91155	93839	93235	92743	1.52	cps
Boron	11-1	423378	426340	432817	427512	1.13	cps
Cadmium	111-1	1140714	1132899	1156242	1143285	1.04	cps
Cadmium	106-1	117746	116964	118804	117838	0.78	cps
Cadmium	108-1	80928	79554	79751	80078	0.93	cps
Calcium	43-1	1222614	1214138	1226562	1221105	0.52	cps
Calcium	44-1	19839522	19623073	19789530	19750709	0.57	cps
Chromium	52-2	595809	597095	595420	596108	0.15	cps
Cobalt	59-2	1213952	1223815	1225005	1220924	0.50	cps
Copper	63-2	2125381	2093387	2129600	2116122	0.94	cps
Dysprosium	156-1	75	125	75	92	31.50	cps
Dysprosium	156-2	17	7	17	13	43.29	cps
Erbium	164-1	42	25	50	39	32.73	cps
Erbium	164-2	3	7	7	6	34.70	cps
Gadolinium	160-1	92	50	100	81	33.26	cps
Gadolinium	160-2	17	33	10	20	60.08	cps
Holmium	165-1	7200546	7046375	7211129	7152683	1.29	cps
Holmium	165-2	2114942	2118648	2146469	2126686	0.81	cps
Indium	115-1	6604963	6624782	6732745	6654163	1.03	cps
Indium	115-2	385974	385538	387920	386478	0.33	cps
Iron	56-2	20124963	19885812	20195012	20068596	0.81	cps
Iron	57-2	504627	508772	508521	507306	0.46	cps
Lead	206-1	2536338	2514019	2525339	2525232	0.44	cps
Lead	207-1	2268012	2237462	2303974	2269816	1.47	cps
Lead	208-1	10159799	10181351	10331842	10224331	0.92	cps
Lithium	6-1	1089776	1080135	1096714	1088875	0.76	cps
Magnesium	24-2	2071551	2044014	2050157	2055241	0.70	cps
Manganese	55-2	349953	347393	351098	349481	0.54	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:31:52	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4084666	4139295	4167243	4130401	1.02	cps
Molybdenum	95-1	2303715	2337839	2304920	2315491	0.84	cps
Molybdenum	96-1	2943867	2970774	2947941	2954194	0.49	cps
Molybdenum	97-1	1412910	1411609	1439406	1421308	1.10	cps
Molybdenum	98-1	3659295	3647222	3697374	3667964	0.71	cps
Neodymium	150-1	240	207	233	227	7.78	cps
Neodymium	150-2	3	10	13	9	57.30	cps
Nickel	60-2	355190	355407	357561	356053	0.37	cps
Phosphorus	31-2	6402	6327	6435	6388	0.87	cps
Potassium	39-2	650678	649511	656568	652252	0.58	cps
Rhodium	103-1	6293749	6235333	6270141	6266408	0.47	cps
Rhodium	103-2	1914183	1921912	1937353	1924483	0.61	cps
Scandium	45-1	4232157	4202173	4256164	4230164	0.64	cps
Scandium	45-2	41826	40886	42387	41700	1.82	cps
Selenium	77-2	490	607	573	557	10.80	cps
Selenium	78-2	1989	1993	2024	2002	0.97	cps
Selenium	82-1	74298	74141	74921	74453	0.55	cps
Silicon	28-1	2790132	2763382	2789647	2781053	0.55	cps
Silver	109-1	5308925	5282245	5319341	5303504	0.36	cps
Silver	107-1	5575320	5589401	5644785	5603169	0.66	cps
Sodium	23-2	4902080	4873411	4861419	4878970	0.43	cps
Strontium	86-1	1486869	1456169	1481200	1474746	1.11	cps
Strontium	88-1	12588152	12547487	12623621	12586420	0.30	cps
Sulfur	34-1	836699	827076	833237	832337	0.59	cps
Terbium	159-1	7514842	7534113	7639677	7562878	0.89	cps
Terbium	159-2	2063584	2061406	2073053	2066015	0.30	cps
Thallium	203-1	3150730	3054299	3138691	3114573	1.69	cps
Thallium	205-1	7275661	7197795	7313134	7262197	0.81	cps
Tin	118-1	3520303	3556704	3586422	3554476	0.93	cps
Titanium	47-1	633868	625014	631713	630198	0.73	cps
Uranium	238-1	8907043	9010972	8953538	8957184	0.58	cps
Vanadium	51-2	435330	434991	435816	435379	0.10	cps
Yttrium	89-1	7439329	7359119	7478376	7425608	0.82	cps
Yttrium	89-2	289700	290887	289672	290087	0.24	cps
Zinc	66-2	204998	204422	204676	204699	0.14	cps
Zirconium	90-1	7689592	7658211	7650801	7666201	0.27	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:31:52	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1745914	1738104	1753408	1745809	0.44	cps

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : S07 Instrumnet Name : P8
 Client Sample ID : S07 Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:35:04 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	158644	154465	158390	157166	1.49	cps
Antimony	121-1	10367597	10478168	10431391	10425718	0.53	cps
Arsenic	75-2	146646	145088	145963	145899	0.54	cps
Barium	135-1	10332551	10534402	10290848	10385934	1.25	cps
Barium	137-1	17874521	18270622	17915109	18020084	1.21	cps
Beryllium	9-1	1578116	1618506	1584480	1593701	1.36	cps
Bismuth	209-1	4220348	4196178	4098287	4171605	1.55	cps
Bismuth	209-2	1520369	1507914	1525177	1517820	0.59	cps
Boron	10-1	183904	189670	187519	187031	1.56	cps
Boron	11-1	847486	862253	864267	858002	1.07	cps
Cadmium	111-1	2346970	2337273	2310677	2331640	0.81	cps
Cadmium	106-1	235982	239630	236486	237366	0.83	cps
Cadmium	108-1	162778	161423	162971	162391	0.52	cps
Calcium	43-1	2438019	2437175	2411444	2428879	0.62	cps
Calcium	44-1	38906474	38945584	38917979	38923346	0.05	cps
Chromium	52-2	1157029	1147657	1152137	1152274	0.41	cps
Cobalt	59-2	2409897	2418320	2378328	2402181	0.88	cps
Copper	63-2	4134511	4048976	4067441	4083643	1.10	cps
Dysprosium	156-1	158	217	175	183	16.39	cps
Dysprosium	156-2	7	17	7	10	57.72	cps
Erbium	164-1	108	50	83	81	36.33	cps
Erbium	164-2	17	13	20	17	20.01	cps
Gadolinium	160-1	142	142	108	131	14.74	cps
Gadolinium	160-2	17	37	23	26	39.85	cps
Holmium	165-1	7486526	7592078	7267973	7448859	2.22	cps
Holmium	165-2	2111774	2099799	2089212	2100262	0.54	cps
Indium	115-1	6645390	6682601	6476144	6601379	1.67	cps
Indium	115-2	368864	368764	366699	368109	0.33	cps
Iron	56-2	39181749	39111251	38815209	39036070	0.50	cps
Iron	57-2	986466	983446	978541	982818	0.41	cps
Lead	206-1	5214755	5208101	5198919	5207258	0.15	cps
Lead	207-1	4767022	4732569	4766135	4755242	0.41	cps
Lead	208-1	21113957	21235277	21320916	21223383	0.49	cps
Lithium	6-1	1065689	1067899	1035233	1056274	1.73	cps
Magnesium	24-2	3941939	3924732	3899150	3921940	0.55	cps
Manganese	55-2	673595	668864	671925	671461	0.36	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:35:04	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	8173557	8177639	8206077	8185758	0.22	cps
Molybdenum	95-1	4627056	4574780	4601433	4601090	0.57	cps
Molybdenum	96-1	5838691	5804237	5874247	5839058	0.60	cps
Molybdenum	97-1	2838170	2885472	2864112	2862585	0.83	cps
Molybdenum	98-1	7364387	7382170	7317898	7354818	0.45	cps
Neodymium	150-1	360	300	373	344	11.34	cps
Neodymium	150-2	7	10	10	9	21.63	cps
Nickel	60-2	687680	684818	685639	686045	0.21	cps
Phosphorus	31-2	13065	12056	12097	12406	4.60	cps
Potassium	39-2	1276329	1263410	1236960	1258900	1.59	cps
Rhodium	103-1	6241548	6257907	6063288	6187581	1.74	cps
Rhodium	103-2	1876156	1869833	1877176	1874388	0.21	cps
Scandium	45-1	4168849	4224366	4074752	4155989	1.82	cps
Scandium	45-2	41281	40762	40549	40864	0.92	cps
Selenium	77-2	1027	1070	1117	1071	4.20	cps
Selenium	78-2	3810	3869	3758	3812	1.46	cps
Selenium	82-1	148709	147936	148956	148534	0.36	cps
Silicon	28-1	4733490	4805261	4786590	4775114	0.78	cps
Silver	109-1	10630593	10655424	10596585	10627534	0.28	cps
Silver	107-1	11273662	11285883	11163487	11241010	0.60	cps
Sodium	23-2	9462397	9316660	9445452	9408170	0.85	cps
Strontium	86-1	2945412	2922927	2962185	2943508	0.67	cps
Strontium	88-1	25379878	25022239	25387100	25263072	0.83	cps
Sulfur	34-1	1018113	992447	1001028	1003863	1.30	cps
Terbium	159-1	7910120	8035262	7744421	7896601	1.85	cps
Terbium	159-2	2051181	2044289	2047653	2047708	0.17	cps
Thallium	203-1	6433223	6499450	6464551	6465741	0.51	cps
Thallium	205-1	15125165	15215866	15164045	15168359	0.30	cps
Tin	118-1	7150663	7266611	7178998	7198758	0.84	cps
Titanium	47-1	1282471	1264260	1247724	1264818	1.37	cps
Uranium	238-1	19114633	18852113	19036896	19001214	0.71	cps
Vanadium	51-2	853905	846408	849840	850051	0.44	cps
Yttrium	89-1	7495570	7445372	7257847	7399596	1.69	cps
Yttrium	89-2	283368	282228	281558	282385	0.32	cps
Zinc	66-2	396278	393629	392049	393985	0.54	cps
Zirconium	90-1	15426767	15350655	15392098	15389840	0.25	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:35:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	3489381	3419887	3456527	3455265	1.01	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:38:11	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	842244	836517	853144	843968	1.00	cps
Antimony	121-1	26803	25567	25943	26104	2.43	cps
Arsenic	75-2	113	89	85	96	15.76	cps
Barium	135-1	6110	5768	5618	5832	4.32	cps
Barium	137-1	10663	9979	9921	10188	4.05	cps
Beryllium	9-1	589	522	539	550	6.31	cps
Bismuth	209-1	3911320	3892236	3858025	3887194	0.69	cps
Bismuth	209-2	1424640	1434154	1436436	1431743	0.44	cps
Boron	10-1	7236	6485	6352	6691	7.12	cps
Boron	11-1	33590	31544	29548	31561	6.40	cps
Cadmium	111-1	1897	1686	1829	1804	5.98	cps
Cadmium	106-1	1775	1792	1750	1772	1.18	cps
Cadmium	108-1	42	63	54	53	19.86	cps
Calcium	43-1	12292576	12409827	12394731	12365711	0.52	cps
Calcium	44-1	200665988	200597563	202211959	201158503	0.45	cps
Chromium	52-2	37601	37276	37226	37368	0.54	cps
Cobalt	59-2	4277	4071	4394	4247	3.86	cps
Copper	63-2	10291	10367	10187	10282	0.88	cps
Dysprosium	156-1	125	92	125	114	16.90	cps
Dysprosium	156-2	57	30	27	38	43.52	cps
Erbium	164-1	67	125	92	94	30.99	cps
Erbium	164-2	23	33	20	26	27.15	cps
Gadolinium	160-1	142	167	133	147	11.79	cps
Gadolinium	160-2	37	67	37	47	37.11	cps
Holmium	165-1	7383189	7299666	7144621	7275825	1.66	cps
Holmium	165-2	2112500	2152498	2132205	2132401	0.94	cps
Indium	115-1	6665393	6632593	6590385	6629457	0.57	cps
Indium	115-2	388485	389458	396049	391331	1.05	cps
Iron	56-2	201023988	198397266	203479899	200967051	1.26	cps
Iron	57-2	4974930	4970213	4999285	4981476	0.31	cps
Lead	206-1	11706	11027	11044	11259	3.44	cps
Lead	207-1	9621	9348	9443	9471	1.46	cps
Lead	208-1	44353	43898	44632	44295	0.84	cps
Lithium	6-1	1032318	1040958	1038833	1037370	0.43	cps
Magnesium	24-2	20429395	20458168	20644466	20510676	0.57	cps
Manganese	55-2	4117	4024	4174	4105	1.85	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:38:11	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	14592	14867	14876	14778	1.09	cps
Molybdenum	95-1	22703	21702	21718	22041	2.60	cps
Molybdenum	96-1	25450	26226	27044	26240	3.04	cps
Molybdenum	97-1	14000	12648	13282	13310	5.08	cps
Molybdenum	98-1	35280	34687	34470	34813	1.20	cps
Neodymium	150-1	113	147	167	142	18.94	cps
Neodymium	150-2	27	23	27	26	7.55	cps
Nickel	60-2	12206	12196	12549	12317	1.63	cps
Phosphorus	31-2	42	17	0	19	107.85	cps
Potassium	39-2	6629820	6605712	6688008	6641180	0.64	cps
Rhodium	103-1	6014809	5953280	5917789	5961960	0.82	cps
Rhodium	103-2	1837614	1869614	1851994	1853074	0.86	cps
Scandium	45-1	4206810	4209336	4230792	4215646	0.31	cps
Scandium	45-2	42213	42374	42755	42447	0.66	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	6	7	0	4	89.21	cps
Selenium	82-1	305	43	214	187	70.81	cps
Silicon	28-1	578193	608066	581117	589125	2.80	cps
Silver	109-1	2575	2425	2417	2473	3.60	cps
Silver	107-1	2725	2425	2475	2542	6.32	cps
Sodium	23-2	48694613	48812028	49176324	48894322	0.51	cps
Strontium	86-1	101695	103247	103523	102822	0.96	cps
Strontium	88-1	873872	872381	875247	873833	0.16	cps
Sulfur	34-1	456212	455691	457491	456465	0.20	cps
Terbium	159-1	7677212	7644298	7591565	7637692	0.57	cps
Terbium	159-2	2071340	2073236	2070840	2071805	0.06	cps
Thallium	203-1	4193	4026	4109	4109	2.03	cps
Thallium	205-1	10063	10213	9562	9946	3.42	cps
Tin	118-1	10621	9871	10104	10199	3.77	cps
Titanium	47-1	1850	3030	2234	2372	25.38	cps
Uranium	238-1	5485	5193	5351	5343	2.73	cps
Vanadium	51-2	537	537	630	568	9.49	cps
Yttrium	89-1	7521946	7357540	7380251	7419912	1.20	cps
Yttrium	89-2	295604	297854	299686	297714	0.69	cps
Zinc	66-2	6832	7029	6942	6934	1.42	cps
Zirconium	90-1	6752	6502	5902	6385	6.84	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:38:11	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1342	1408	1333	1361	3.02	cps

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : ICV Instrumnet Name : P8
 Client Sample ID : ICV Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:47:49 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4343	4409	4801	4518	5.48	cps
Antimony	121-1	1950612	1978744	1937028	1955461	1.09	cps
Arsenic	75-2	30742	30627	30192	30520	0.95	cps
Barium	135-1	195971	194086	191096	193718	1.27	cps
Barium	137-1	337268	333049	333060	334459	0.73	cps
Beryllium	9-1	156182	155043	152802	154676	1.11	cps
Bismuth	209-1	3894625	3897120	3803625	3865123	1.38	cps
Bismuth	209-2	1509178	1510186	1523647	1514337	0.53	cps
Boron	10-1	97640	96506	98537	97561	1.04	cps
Boron	11-1	446648	454841	449933	450474	0.92	cps
Cadmium	111-1	225983	225775	225677	225811	0.07	cps
Cadmium	106-1	33969	35105	35606	34893	2.40	cps
Cadmium	108-1	19761	19660	19719	19713	0.26	cps
Calcium	43-1	56372	56264	54574	55737	1.81	cps
Calcium	44-1	895984	892488	886298	891590	0.55	cps
Chromium	52-2	121475	117999	120066	119847	1.46	cps
Cobalt	59-2	254665	252350	250450	252489	0.84	cps
Copper	63-2	216840	217704	215896	216813	0.42	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	75	117	108	100	22.05	cps
Erbium	164-2	10	20	13	14	35.26	cps
Gadolinium	160-1	50	100	75	75	33.33	cps
Gadolinium	160-2	17	13	20	17	20.01	cps
Holmium	165-1	6878666	6764214	6640031	6760970	1.77	cps
Holmium	165-2	2110574	2091498	2082643	2094905	0.68	cps
Indium	115-1	6549689	6585433	6412118	6515747	1.40	cps
Indium	115-2	397676	399157	398455	398429	0.19	cps
Iron	56-2	841689	828879	828360	832976	0.91	cps
Iron	57-2	20566	20260	20209	20345	0.95	cps
Lead	206-1	934720	943778	937658	938719	0.49	cps
Lead	207-1	817995	814180	815957	816044	0.23	cps
Lead	208-1	3791273	3774245	3754742	3773420	0.48	cps
Lithium	6-1	1108316	1113656	1106372	1109448	0.34	cps
Magnesium	24-2	51135	50942	50691	50922	0.44	cps
Manganese	55-2	35913	35184	36601	35900	1.97	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:47:49	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3900600	3877531	3869636	3882589	0.41	cps
Molybdenum	95-1	2125592	2098051	2112241	2111961	0.65	cps
Molybdenum	96-1	2690249	2716576	2710432	2705752	0.51	cps
Molybdenum	97-1	1276296	1282084	1285600	1281327	0.37	cps
Molybdenum	98-1	3377880	3364745	3380413	3374346	0.25	cps
Neodymium	150-1	20	20	27	22	17.33	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	74227	73479	72444	73383	1.22	cps
Phosphorus	31-2	33	0	8	14	124.91	cps
Potassium	39-2	58004	58322	57452	57926	0.76	cps
Rhodium	103-1	6268558	6322508	6340822	6310629	0.60	cps
Rhodium	103-2	2021431	2005122	2031027	2019193	0.65	cps
Scandium	45-1	4302636	4341199	4266074	4303303	0.87	cps
Scandium	45-2	43715	44159	44317	44064	0.71	cps
Selenium	77-2	183	240	257	227	16.96	cps
Selenium	78-2	783	815	828	809	2.83	cps
Selenium	82-1	28915	29388	29068	29123	0.83	cps
Silicon	28-1	2475689	2477379	2451350	2468139	0.59	cps
Silver	109-1	1020876	1024525	1025716	1023705	0.25	cps
Silver	107-1	1082782	1084120	1092716	1086539	0.50	cps
Sodium	23-2	209815	209320	207779	208971	0.51	cps
Strontium	86-1	1395999	1380170	1375623	1383931	0.77	cps
Strontium	88-1	11832227	11833442	11787965	11817878	0.22	cps
Sulfur	34-1	446085	441089	441107	442760	0.65	cps
Terbium	159-1	7265193	7202573	7093658	7187141	1.21	cps
Terbium	159-2	2064518	2085439	2091594	2080517	0.68	cps
Thallium	203-1	1188406	1188015	1173182	1183201	0.73	cps
Thallium	205-1	2879629	2882785	2845700	2869372	0.72	cps
Tin	118-1	3254413	3324058	3280119	3286197	1.07	cps
Titanium	47-1	595930	601953	601725	599869	0.57	cps
Uranium	238-1	7636173	7768422	7642913	7682503	0.97	cps
Vanadium	51-2	88072	87847	86840	87586	0.75	cps
Yttrium	89-1	7486827	7402377	7283228	7390811	1.38	cps
Yttrium	89-2	297669	300423	300520	299537	0.54	cps
Zinc	66-2	43067	42321	42284	42557	1.04	cps
Zirconium	90-1	7369544	7294445	7305929	7323306	0.55	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:47:49	DataFile Name :	014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1653735	1630182	1654832	1646249	0.85	cps

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:50:53 DataFile Name : 015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8	0	33	14	124.91	cps
Antimony	121-1	1800	1817	1584	1734	7.51	cps
Arsenic	75-2	6	11	6	7	43.24	cps
Barium	135-1	17	17	50	28	69.27	cps
Barium	137-1	83	75	75	78	6.19	cps
Beryllium	9-1	122	106	167	131	24.02	cps
Bismuth	209-1	3867864	3863099	3805954	3845639	0.90	cps
Bismuth	209-2	1494715	1473823	1485279	1484606	0.70	cps
Boron	10-1	2967	2867	2675	2837	5.23	cps
Boron	11-1	12865	13015	12489	12790	2.12	cps
Cadmium	111-1	1193	1046	1288	1176	10.41	cps
Cadmium	106-1	1717	1500	1825	1681	9.85	cps
Cadmium	108-1	13	13	8	11	21.67	cps
Calcium	43-1	3717	3676	3734	3709	0.81	cps
Calcium	44-1	66191	63018	65429	64879	2.55	cps
Chromium	52-2	1210	1243	1260	1238	2.06	cps
Cobalt	59-2	83	87	47	72	30.73	cps
Copper	63-2	343	363	283	330	12.62	cps
Dysprosium	156-1	0	8	8	6	86.60	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	50	17	33	33	50.00	cps
Erbium	164-2	3	10	7	7	50.03	cps
Gadolinium	160-1	67	67	83	72	13.33	cps
Gadolinium	160-2	0	7	10	6	91.64	cps
Holmium	165-1	6644703	6588412	6668514	6633876	0.62	cps
Holmium	165-2	2059642	2035867	2069141	2054883	0.83	cps
Indium	115-1	6458451	6484109	6593288	6511949	1.10	cps
Indium	115-2	400558	399358	400569	400162	0.17	cps
Iron	56-2	3006	3704	3067	3259	11.86	cps
Iron	57-2	56	106	78	80	31.46	cps
Lead	206-1	683	622	578	628	8.44	cps
Lead	207-1	544	594	522	554	6.68	cps
Lead	208-1	2417	2634	2467	2506	4.53	cps
Lithium	6-1	1070866	1103793	1074119	1082926	1.68	cps
Magnesium	24-2	92	75	167	111	43.95	cps
Manganese	55-2	53	60	63	59	8.65	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:50:53	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	600	533	542	558	6.51	cps
Molybdenum	95-1	108	125	150	128	16.41	cps
Molybdenum	96-1	467	433	308	403	20.73	cps
Molybdenum	97-1	192	167	133	164	17.86	cps
Molybdenum	98-1	342	258	242	281	19.10	cps
Neodymium	150-1	7	7	27	13	86.58	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	73	103	123	100	25.17	cps
Phosphorus	31-2	8	17	8	11	43.34	cps
Potassium	39-2	4292	4251	3826	4123	6.27	cps
Rhodium	103-1	6294649	6280120	6254133	6276300	0.33	cps
Rhodium	103-2	2000567	2017340	1979077	1998995	0.96	cps
Scandium	45-1	4244406	4226511	4236938	4235952	0.21	cps
Scandium	45-2	43166	42625	43156	42982	0.72	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	0	4	2	100.00	cps
Selenium	82-1	-137	-104	-156	-132	-20.03	cps
Silicon	28-1	512399	566294	521688	533460	5.40	cps
Silver	109-1	133	158	217	169	25.24	cps
Silver	107-1	208	267	217	231	13.68	cps
Sodium	23-2	6518	7069	6418	6669	5.25	cps
Strontium	86-1	1308	1467	1558	1445	8.76	cps
Strontium	88-1	392	283	275	317	20.55	cps
Sulfur	34-1	440413	439222	439261	439632	0.15	cps
Terbium	159-1	7121371	7077901	7157428	7118900	0.56	cps
Terbium	159-2	2038549	2035826	2037247	2037207	0.07	cps
Thallium	203-1	375	367	308	350	10.38	cps
Thallium	205-1	875	733	767	792	9.36	cps
Tin	118-1	1367	1208	1517	1364	11.31	cps
Titanium	47-1	217	233	225	225	3.70	cps
Uranium	238-1	183	108	233	175	35.95	cps
Vanadium	51-2	10	37	20	22	60.63	cps
Yttrium	89-1	7290090	7155433	7254601	7233375	0.96	cps
Yttrium	89-2	297373	298290	296257	297307	0.34	cps
Zinc	66-2	93	113	80	96	17.56	cps
Zirconium	90-1	1483	1392	1617	1497	7.56	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:50:53	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	242	308	308	286	13.45	cps

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : ICSA Instrumnet Name : P8
 Client Sample ID : ICSA Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:54:03 DataFile Name : 016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	760548	747828	748919	752431	0.94	cps
Antimony	121-1	11781	12039	11530	11783	2.16	cps
Arsenic	75-2	48	41	52	47	12.06	cps
Barium	135-1	2784	3000	2534	2773	8.42	cps
Barium	137-1	5051	4801	4893	4915	2.57	cps
Beryllium	9-1	561	544	539	548	2.11	cps
Bismuth	209-1	3634329	3727182	3674755	3678755	1.27	cps
Bismuth	209-2	1407947	1395382	1402767	1402032	0.45	cps
Boron	10-1	2300	2517	2600	2473	6.26	cps
Boron	11-1	11672	11730	10838	11413	4.37	cps
Cadmium	111-1	1866	1772	1753	1797	3.35	cps
Cadmium	106-1	1559	1575	1592	1575	1.06	cps
Cadmium	108-1	1054	1079	1129	1088	3.51	cps
Calcium	43-1	2335704	2314902	2342112	2330906	0.61	cps
Calcium	44-1	37674303	37813906	37804585	37764265	0.21	cps
Chromium	52-2	25059	24612	25053	24908	1.03	cps
Cobalt	59-2	2757	2747	2890	2798	2.86	cps
Copper	63-2	16694	15926	16313	16311	2.35	cps
Dysprosium	156-1	42	42	33	39	12.38	cps
Dysprosium	156-2	3	20	10	11	75.52	cps
Erbium	164-1	58	58	58	58	0.00	cps
Erbium	164-2	13	10	20	14	35.26	cps
Gadolinium	160-1	100	25	100	75	57.74	cps
Gadolinium	160-2	17	37	20	24	43.83	cps
Holmium	165-1	6585778	6740613	6830235	6718875	1.84	cps
Holmium	165-2	2060788	2032086	2012083	2034986	1.20	cps
Indium	115-1	6173748	6413970	6470207	6352642	2.48	cps
Indium	115-2	385217	378182	381208	381536	0.92	cps
Iron	56-2	78130080	77916421	78097063	78047855	0.15	cps
Iron	57-2	1981609	1942338	1974740	1966229	1.07	cps
Lead	206-1	21719	21368	21819	21636	1.09	cps
Lead	207-1	16589	16711	16194	16498	1.64	cps
Lead	208-1	80128	79041	78779	79316	0.90	cps
Lithium	6-1	1012152	1064904	1063820	1046959	2.88	cps
Magnesium	24-2	3942085	3899722	3906822	3916210	0.58	cps
Manganese	55-2	2744	2750	2747	2747	0.12	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:54:03	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4798520	4699011	4759133	4752222	1.05	cps
Molybdenum	95-1	8318257	8287352	8351514	8319041	0.39	cps
Molybdenum	96-1	8845302	8812900	8944135	8867446	0.77	cps
Molybdenum	97-1	5166597	5105923	5213129	5161883	1.04	cps
Molybdenum	98-1	13352908	13421992	13466259	13413720	0.43	cps
Neodymium	150-1	60	60	33	51	30.11	cps
Neodymium	150-2	0	10	3	4	114.60	cps
Nickel	60-2	4094	4034	4067	4065	0.74	cps
Phosphorus	31-2	63920	62280	62346	62849	1.48	cps
Potassium	39-2	2631936	2589130	2629039	2616701	0.91	cps
Rhodium	103-1	5816054	6028067	6001738	5948620	1.94	cps
Rhodium	103-2	1885856	1874742	1890242	1883614	0.42	cps
Scandium	45-1	4084662	4227291	4197103	4169685	1.80	cps
Scandium	45-2	41548	41662	41608	41606	0.14	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	6	4	50.09	cps
Selenium	82-1	40	-26	116	43	165.10	cps
Silicon	28-1	657040	653240	663772	658018	0.81	cps
Silver	109-1	1834	1684	1784	1767	4.32	cps
Silver	107-1	1834	1842	1834	1836	0.26	cps
Sodium	23-2	9583346	9610844	9625344	9606512	0.22	cps
Strontium	86-1	98253	95735	98252	97414	1.49	cps
Strontium	88-1	816206	811639	820399	816081	0.54	cps
Sulfur	34-1	3042519	3003769	2981304	3009197	1.03	cps
Terbium	159-1	6958179	7256258	7171542	7128660	2.15	cps
Terbium	159-2	2033515	2007528	2020246	2020430	0.64	cps
Thallium	203-1	908	1158	933	1000	13.77	cps
Thallium	205-1	2134	2367	2359	2286	5.79	cps
Tin	118-1	3401	3417	3651	3490	4.01	cps
Titanium	47-1	2416045	2390501	2412823	2406456	0.58	cps
Uranium	238-1	400	408	342	383	9.48	cps
Vanadium	51-2	160	127	150	146	11.75	cps
Yttrium	89-1	7085780	7200562	7264572	7183638	1.26	cps
Yttrium	89-2	293089	290281	286791	290054	1.09	cps
Zinc	66-2	2257	2317	2417	2330	3.47	cps
Zirconium	90-1	20483	17570	16327	18127	11.77	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:54:03	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	4418	4092	3884	4131	6.51	cps

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : ICSAB Instrumnet Name : P8
 Client Sample ID : ICSAB Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 15:57:06 DataFile Name : 017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	757067	759582	752085	756245	0.50	cps
Antimony	121-1	197938	197142	197975	197685	0.24	cps
Arsenic	75-2	2858	2906	2915	2893	1.07	cps
Barium	135-1	41700	41224	40555	41160	1.40	cps
Barium	137-1	70840	70606	68386	69944	1.94	cps
Beryllium	9-1	31708	30054	31323	31028	2.79	cps
Bismuth	209-1	3663145	3612868	3602269	3626094	0.90	cps
Bismuth	209-2	1409207	1403996	1394519	1402574	0.53	cps
Boron	10-1	12006	11547	12306	11953	3.20	cps
Boron	11-1	53258	54220	54187	53888	1.01	cps
Cadmium	111-1	42859	43770	43829	43486	1.25	cps
Cadmium	106-1	6385	6552	6585	6507	1.65	cps
Cadmium	108-1	4488	4380	4347	4405	1.68	cps
Calcium	43-1	2329940	2368762	2331293	2343332	0.94	cps
Calcium	44-1	38098843	38192294	37853953	38048363	0.46	cps
Chromium	52-2	48701	47915	47152	47923	1.62	cps
Cobalt	59-2	50702	51321	50525	50849	0.82	cps
Copper	63-2	56949	57479	56511	56980	0.85	cps
Dysprosium	156-1	33	25	58	39	44.61	cps
Dysprosium	156-2	20	10	17	16	32.73	cps
Erbium	164-1	25	67	58	50	44.10	cps
Erbium	164-2	10	17	7	11	45.82	cps
Gadolinium	160-1	58	67	67	64	7.53	cps
Gadolinium	160-2	23	10	17	17	39.99	cps
Holmium	165-1	6615091	6673883	6760981	6683319	1.10	cps
Holmium	165-2	2043860	2034341	2002645	2026949	1.06	cps
Indium	115-1	6297031	6360706	6434864	6364200	1.08	cps
Indium	115-2	383123	382897	380461	382160	0.39	cps
Iron	56-2	78809535	78886374	77901616	78532508	0.70	cps
Iron	57-2	2002062	1978067	1985236	1988455	0.62	cps
Lead	206-1	109910	113218	111452	111527	1.48	cps
Lead	207-1	91668	91303	91249	91407	0.25	cps
Lead	208-1	428899	428884	427421	428402	0.20	cps
Lithium	6-1	1048129	1039456	1075570	1054385	1.79	cps
Magnesium	24-2	4000667	3959470	3891980	3950705	1.39	cps
Manganese	55-2	9617	9337	9470	9474	1.48	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:57:06	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	5101352	5144436	5096175	5113988	0.52	cps
Molybdenum	95-1	8532307	8537398	8596489	8555398	0.42	cps
Molybdenum	96-1	9143475	9114691	9114052	9124073	0.18	cps
Molybdenum	97-1	5261799	5227742	5252693	5247411	0.34	cps
Molybdenum	98-1	13599517	13509629	13700718	13603288	0.70	cps
Neodymium	150-1	47	0	33	27	90.14	cps
Neodymium	150-2	10	7	0	6	91.64	cps
Nickel	60-2	17625	17648	17121	17465	1.71	cps
Phosphorus	31-2	63753	63694	63275	63574	0.41	cps
Potassium	39-2	2632602	2652036	2631850	2638829	0.43	cps
Rhodium	103-1	5911854	5992069	5989618	5964514	0.76	cps
Rhodium	103-2	1903185	1914400	1862118	1893234	1.45	cps
Scandium	45-1	4172952	4207369	4269024	4216448	1.15	cps
Scandium	45-2	41354	42518	42297	42056	1.47	cps
Selenium	77-2	17	33	23	24	34.31	cps
Selenium	78-2	70	52	120	81	43.83	cps
Selenium	82-1	2820	2818	2641	2759	3.73	cps
Silicon	28-1	841830	912408	913515	889251	4.62	cps
Silver	109-1	188056	187194	187837	187696	0.24	cps
Silver	107-1	198890	198197	199303	198797	0.28	cps
Sodium	23-2	9702532	9692991	9588052	9661192	0.66	cps
Strontium	86-1	234807	238438	234455	235900	0.93	cps
Strontium	88-1	2087517	2085325	2059110	2077317	0.76	cps
Sulfur	34-1	3008362	3008555	2967881	2994933	0.78	cps
Terbium	159-1	7069996	7175801	7144726	7130174	0.76	cps
Terbium	159-2	1995505	1995304	1991672	1994160	0.11	cps
Thallium	203-1	112791	111916	110882	111863	0.85	cps
Thallium	205-1	265892	264851	261229	263991	0.93	cps
Tin	118-1	335417	335194	336580	335730	0.22	cps
Titanium	47-1	2478038	2497304	2482601	2485981	0.40	cps
Uranium	238-1	797823	792488	801475	797262	0.57	cps
Vanadium	51-2	16760	16967	16950	16893	0.68	cps
Yttrium	89-1	7075311	7256755	7213916	7181994	1.32	cps
Yttrium	89-2	290495	291641	288516	290217	0.54	cps
Zinc	66-2	6582	6352	6145	6359	3.44	cps
Zirconium	90-1	770599	774029	770605	771744	0.26	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 15:57:06	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	171813	172615	173922	172783	0.62	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P8
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:00:10	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	430215	427127	427326	428222	0.40	cps
Antimony	121-1	5000852	5079695	5063451	5047999	0.82	cps
Arsenic	75-2	77037	76898	75631	76522	1.01	cps
Barium	135-1	5026287	5105605	5025148	5052347	0.91	cps
Barium	137-1	8628079	8578180	8633592	8613284	0.35	cps
Beryllium	9-1	789037	792997	791916	791317	0.26	cps
Bismuth	209-1	3783496	3780751	3702822	3755689	1.22	cps
Bismuth	209-2	1423997	1428325	1418705	1423676	0.34	cps
Boron	10-1	91498	94988	94535	93674	2.03	cps
Boron	11-1	423053	432965	433768	429929	1.39	cps
Cadmium	111-1	1076457	1094846	1089023	1086775	0.86	cps
Cadmium	106-1	111282	114055	112273	112537	1.25	cps
Cadmium	108-1	76461	77522	75666	76550	1.22	cps
Calcium	43-1	6068873	6136701	6108380	6104652	0.56	cps
Calcium	44-1	99426892	99990690	100419694	99945758	0.50	cps
Chromium	52-2	625271	627050	624589	625637	0.20	cps
Cobalt	59-2	1226081	1228691	1222871	1225881	0.24	cps
Copper	63-2	2094329	2094931	2083629	2090963	0.30	cps
Dysprosium	156-1	158	142	142	147	6.54	cps
Dysprosium	156-2	27	13	17	19	36.75	cps
Erbium	164-1	67	117	100	94	26.96	cps
Erbium	164-2	3	17	7	9	78.08	cps
Gadolinium	160-1	100	133	92	108	20.35	cps
Gadolinium	160-2	43	20	10	24	69.97	cps
Holmium	165-1	6911964	6849618	6808660	6856747	0.76	cps
Holmium	165-2	2088183	2089166	2094930	2090760	0.17	cps
Indium	115-1	6460665	6466918	6393014	6440199	0.64	cps
Indium	115-2	384202	384913	385265	384793	0.14	cps
Iron	56-2	99522274	100077794	99309644	99636571	0.40	cps
Iron	57-2	2536871	2522823	2520559	2526751	0.35	cps
Lead	206-1	2357999	2394941	2358275	2370405	0.90	cps
Lead	207-1	2156784	2178620	2131343	2155582	1.10	cps
Lead	208-1	9644790	9711702	9650570	9669021	0.38	cps
Lithium	6-1	1070283	1049551	1060577	1060137	0.98	cps
Magnesium	24-2	10407984	10357391	10301236	10355537	0.52	cps
Manganese	55-2	358871	361893	362983	361249	0.59	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P8
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:00:10	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4030988	4073679	4093319	4065995	0.78	cps
Molybdenum	95-1	2297266	2340220	2319562	2319016	0.93	cps
Molybdenum	96-1	2891824	2916970	2973890	2927561	1.44	cps
Molybdenum	97-1	1391410	1402642	1418602	1404218	0.97	cps
Molybdenum	98-1	3631583	3666321	3681745	3659883	0.70	cps
Neodymium	150-1	227	273	180	227	20.59	cps
Neodymium	150-2	20	23	7	17	52.90	cps
Nickel	60-2	359266	356718	353385	356457	0.83	cps
Phosphorus	31-2	6827	6493	7044	6788	4.08	cps
Potassium	39-2	3407282	3398950	3408700	3404977	0.15	cps
Rhodium	103-1	5927138	5942360	5933001	5934166	0.13	cps
Rhodium	103-2	1909950	1893377	1877647	1893658	0.85	cps
Scandium	45-1	4252799	4280740	4207098	4246879	0.88	cps
Scandium	45-2	42036	43119	43320	42825	1.61	cps
Selenium	77-2	570	580	547	566	3.02	cps
Selenium	78-2	1943	1933	2084	1987	4.23	cps
Selenium	82-1	72688	73114	72947	72916	0.29	cps
Silicon	28-1	2793481	2810850	2861352	2821894	1.25	cps
Silver	109-1	5062109	5072111	5045018	5059746	0.27	cps
Silver	107-1	5301825	5359351	5343172	5334783	0.56	cps
Sodium	23-2	25103800	24820183	24755869	24893284	0.74	cps
Strontium	86-1	1510606	1509263	1494592	1504820	0.59	cps
Strontium	88-1	12997424	12871723	12753946	12874364	0.95	cps
Sulfur	34-1	788121	792545	800558	793741	0.79	cps
Terbium	159-1	7368250	7278245	7270744	7305746	0.74	cps
Terbium	159-2	2042585	2036507	2047949	2042347	0.28	cps
Thallium	203-1	2953746	2957213	2925651	2945537	0.59	cps
Thallium	205-1	6976598	6885544	6875255	6912466	0.81	cps
Tin	118-1	3518582	3509197	3540594	3522791	0.46	cps
Titanium	47-1	636444	632265	643603	637437	0.90	cps
Uranium	238-1	8592218	8538545	8616374	8582379	0.46	cps
Vanadium	51-2	452714	449495	450220	450810	0.37	cps
Yttrium	89-1	7424991	7368749	7267876	7353872	1.08	cps
Yttrium	89-2	296145	296038	295845	296009	0.05	cps
Zinc	66-2	202387	202356	203226	202656	0.24	cps
Zirconium	90-1	7598110	7648328	7548244	7598227	0.66	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV032	Instrumnet Name :	P8
Client Sample ID :	CCV032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:00:10	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1700213	1728710	1700710	1709878	0.95	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P8
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:03:27	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33	8	25	22	57.30	cps
Antimony	121-1	2884	2517	2509	2637	8.12	cps
Arsenic	75-2	4	4	4	4	0.00	cps
Barium	135-1	50	17	50	39	49.48	cps
Barium	137-1	50	25	50	42	34.64	cps
Beryllium	9-1	161	144	172	159	8.78	cps
Bismuth	209-1	3711128	3801724	3732256	3748370	1.26	cps
Bismuth	209-2	1458134	1454681	1464383	1459066	0.34	cps
Boron	10-1	3301	2942	2709	2984	9.99	cps
Boron	11-1	14141	12673	12406	13073	7.15	cps
Cadmium	111-1	1093	1018	1133	1081	5.36	cps
Cadmium	106-1	1550	1450	1625	1542	5.70	cps
Cadmium	108-1	13	25	25	21	34.64	cps
Calcium	43-1	4176	3859	4309	4115	5.62	cps
Calcium	44-1	70578	71057	70159	70598	0.64	cps
Chromium	52-2	1190	1213	1150	1185	2.70	cps
Cobalt	59-2	47	97	73	72	34.64	cps
Copper	63-2	427	513	457	466	9.45	cps
Dysprosium	156-1	17	0	17	11	86.60	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	17	25	58	33	66.14	cps
Erbium	164-2	3	13	17	11	62.48	cps
Gadolinium	160-1	42	50	42	44	10.82	cps
Gadolinium	160-2	10	3	0	4	114.60	cps
Holmium	165-1	6601276	6622231	6461119	6561542	1.34	cps
Holmium	165-2	2053950	2016945	2025059	2031985	0.96	cps
Indium	115-1	6585930	6428323	6444554	6486269	1.34	cps
Indium	115-2	395661	392796	396179	394878	0.46	cps
Iron	56-2	3434	3423	3545	3467	1.95	cps
Iron	57-2	106	89	100	98	8.65	cps
Lead	206-1	550	567	622	580	6.52	cps
Lead	207-1	478	422	411	437	8.17	cps
Lead	208-1	2033	2022	2095	2050	1.90	cps
Lithium	6-1	1088325	1087226	1087947	1087833	0.05	cps
Magnesium	24-2	225	175	92	164	41.10	cps
Manganese	55-2	67	90	90	82	16.38	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P8
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:03:27	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	608	717	758	694	11.15	cps
Molybdenum	95-1	267	217	167	217	23.08	cps
Molybdenum	96-1	342	325	333	333	2.50	cps
Molybdenum	97-1	250	275	175	233	22.30	cps
Molybdenum	98-1	308	342	333	328	5.29	cps
Neodymium	150-1	13	27	13	18	43.33	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	80	83	113	92	19.91	cps
Phosphorus	31-2	0	8	17	8	100.02	cps
Potassium	39-2	4818	4851	4826	4832	0.36	cps
Rhodium	103-1	6158892	6146348	6175561	6160267	0.24	cps
Rhodium	103-2	2006908	1976031	1972303	1985081	0.96	cps
Scandium	45-1	4288988	4224697	4210286	4241323	0.99	cps
Scandium	45-2	42608	42735	41876	42406	1.09	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	4	2	3	34.64	cps
Selenium	82-1	37	-116	-36	-38	-201.65	cps
Silicon	28-1	526078	514834	503913	514942	2.15	cps
Silver	109-1	392	300	275	322	19.06	cps
Silver	107-1	392	467	367	408	12.75	cps
Sodium	23-2	12206	12164	11146	11839	5.07	cps
Strontium	86-1	1475	1508	1375	1453	4.78	cps
Strontium	88-1	192	308	250	250	23.33	cps
Sulfur	34-1	430263	428341	426398	428334	0.45	cps
Terbium	159-1	7106687	7084624	7117703	7103005	0.24	cps
Terbium	159-2	2026164	2007428	2010550	2014714	0.50	cps
Thallium	203-1	525	433	408	456	13.48	cps
Thallium	205-1	1092	892	875	953	12.65	cps
Tin	118-1	1208	1017	1133	1120	8.63	cps
Titanium	47-1	150	208	133	164	24.03	cps
Uranium	238-1	133	92	92	106	22.79	cps
Vanadium	51-2	13	10	7	10	33.30	cps
Yttrium	89-1	7198135	7143317	7177871	7173108	0.39	cps
Yttrium	89-2	295259	295372	293065	294565	0.44	cps
Zinc	66-2	80	77	67	74	9.32	cps
Zirconium	90-1	1692	1517	1467	1558	7.58	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB032	Instrumnet Name :	P8
Client Sample ID :	CCB032	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:03:27	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	375	392	342	369	6.89	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:06:35	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	183	275	142	200	34.11	cps
Antimony	121-1	18180	18105	18472	18252	1.06	cps
Arsenic	75-2	170	137	139	149	12.59	cps
Barium	135-1	17220	16845	16895	16987	1.20	cps
Barium	137-1	29760	29667	29476	29634	0.49	cps
Beryllium	9-1	1595	1617	1517	1576	3.33	cps
Bismuth	209-1	3669075	3606261	3638726	3638021	0.86	cps
Bismuth	209-2	1430849	1436587	1418352	1428596	0.65	cps
Boron	10-1	6077	5826	5626	5843	3.86	cps
Boron	11-1	25590	25849	27377	26272	3.68	cps
Cadmium	111-1	3195	3123	2939	3086	4.28	cps
Cadmium	106-1	1725	1834	1600	1720	6.79	cps
Cadmium	108-1	125	158	146	143	11.77	cps
Calcium	43-1	14358	15092	14216	14555	3.23	cps
Calcium	44-1	243709	239842	242231	241927	0.81	cps
Chromium	52-2	3681	3567	3480	3576	2.81	cps
Cobalt	59-2	2157	2240	2417	2271	5.85	cps
Copper	63-2	4724	4638	4808	4723	1.80	cps
Dysprosium	156-1	8	0	50	19	137.78	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	25	33	25	28	17.31	cps
Erbium	164-2	3	13	10	9	57.30	cps
Gadolinium	160-1	50	42	100	64	49.38	cps
Gadolinium	160-2	20	7	10	12	56.76	cps
Holmium	165-1	6595763	6514974	6574143	6561627	0.64	cps
Holmium	165-2	2019837	2017537	1991766	2009713	0.78	cps
Indium	115-1	6522105	6436113	6396701	6451640	0.99	cps
Indium	115-2	400075	396819	399942	398945	0.46	cps
Iron	56-2	40660	40448	41612	40907	1.52	cps
Iron	57-2	1117	1056	956	1043	7.80	cps
Lead	206-1	5101	4401	4484	4662	8.20	cps
Lead	207-1	4557	4229	4262	4349	4.15	cps
Lead	208-1	19801	19067	18973	19280	2.35	cps
Lithium	6-1	1092025	1088851	1104828	1095235	0.77	cps
Magnesium	24-2	19447	19147	19406	19333	0.84	cps
Manganese	55-2	350	393	317	353	10.88	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:06:35	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	15960	16277	16244	16160	1.08	cps
Molybdenum	95-1	18722	19415	19281	19139	1.92	cps
Molybdenum	96-1	21693	21493	21568	21585	0.47	cps
Molybdenum	97-1	11947	12198	11497	11881	2.99	cps
Molybdenum	98-1	31304	30928	30569	30934	1.19	cps
Neodymium	150-1	7	13	20	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	810	780	783	791	2.08	cps
Phosphorus	31-2	0	50	17	22	114.56	cps
Potassium	39-2	17561	17320	17019	17300	1.57	cps
Rhodium	103-1	6179522	6133266	6075615	6129468	0.85	cps
Rhodium	103-2	2010770	2029416	2005843	2015343	0.62	cps
Scandium	45-1	4303950	4255113	4253231	4270765	0.67	cps
Scandium	45-2	43758	43414	43855	43676	0.53	cps
Selenium	77-2	3	13	7	8	65.47	cps
Selenium	78-2	19	30	13	20	41.67	cps
Selenium	82-1	596	561	585	581	3.05	cps
Silicon	28-1	568118	562453	561618	564063	0.63	cps
Silver	109-1	12506	12240	12548	12431	1.35	cps
Silver	107-1	13658	12414	13065	13046	4.77	cps
Sodium	23-2	56220	55902	55091	55738	1.04	cps
Strontium	86-1	3984	3976	3684	3881	4.40	cps
Strontium	88-1	22979	22745	22753	22826	0.58	cps
Sulfur	34-1	430100	431506	432627	431411	0.29	cps
Terbium	159-1	7054688	6885212	6896303	6945401	1.37	cps
Terbium	159-2	2031091	1995442	1986218	2004250	1.18	cps
Thallium	203-1	5652	5276	4985	5304	6.30	cps
Thallium	205-1	12807	12131	13107	12682	3.94	cps
Tin	118-1	29993	31772	30653	30806	2.92	cps
Titanium	47-1	5260	5827	5426	5504	5.29	cps
Uranium	238-1	13725	13817	13750	13764	0.34	cps
Vanadium	51-2	4067	4187	4071	4108	1.66	cps
Yttrium	89-1	7252573	7219384	7086521	7186159	1.22	cps
Yttrium	89-2	298488	296959	296466	297304	0.35	cps
Zinc	66-2	450	453	470	458	2.34	cps
Zirconium	90-1	15393	14358	14091	14614	4.70	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:06:35	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	3117	3326	3067	3170	4.32	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:09:44	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	25	17	31	56.77	cps
Antimony	121-1	458	458	650	522	21.19	cps
Arsenic	75-2	7	6	6	6	17.29	cps
Barium	135-1	33	50	33	39	24.75	cps
Barium	137-1	25	33	50	36	35.25	cps
Beryllium	9-1	100	83	94	93	9.16	cps
Bismuth	209-1	3594057	3719755	3731306	3681706	2.07	cps
Bismuth	209-2	1451646	1454875	1464303	1456941	0.45	cps
Boron	10-1	1542	1600	1450	1531	4.94	cps
Boron	11-1	7552	7369	7094	7338	3.15	cps
Cadmium	111-1	1090	1080	1119	1097	1.86	cps
Cadmium	106-1	1550	1525	1592	1556	2.17	cps
Cadmium	108-1	17	0	17	11	86.60	cps
Calcium	43-1	4368	3726	3851	3981	8.55	cps
Calcium	44-1	66853	66768	67002	66874	0.18	cps
Chromium	52-2	1260	1180	1090	1177	7.23	cps
Cobalt	59-2	40	100	47	62	52.85	cps
Copper	63-2	443	440	430	438	1.58	cps
Dysprosium	156-1	33	25	8	22	57.29	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	50	17	25	88.19	cps
Erbium	164-2	3	20	13	12	68.66	cps
Gadolinium	160-1	67	67	50	61	15.75	cps
Gadolinium	160-2	10	13	10	11	17.30	cps
Holmium	165-1	6317077	6520266	6514576	6450640	1.79	cps
Holmium	165-2	2037203	2056279	2022424	2038635	0.83	cps
Indium	115-1	6262181	6459679	6457561	6393140	1.77	cps
Indium	115-2	402172	397866	402134	400724	0.62	cps
Iron	56-2	2878	3073	3073	3008	3.73	cps
Iron	57-2	94	83	117	98	17.29	cps
Lead	206-1	422	383	400	402	4.86	cps
Lead	207-1	356	422	417	398	9.29	cps
Lead	208-1	1661	1728	1795	1728	3.86	cps
Lithium	6-1	1070199	1099306	1102738	1090748	1.64	cps
Magnesium	24-2	167	142	225	178	24.06	cps
Manganese	55-2	83	53	37	58	40.93	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:09:44	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	333	383	425	381	12.06	cps
Molybdenum	95-1	83	33	67	61	41.67	cps
Molybdenum	96-1	167	183	158	169	7.51	cps
Molybdenum	97-1	108	108	117	111	4.33	cps
Molybdenum	98-1	133	100	67	100	33.33	cps
Neodymium	150-1	7	0	13	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	70	80	67	72	9.61	cps
Phosphorus	31-2	8	0	8	6	86.60	cps
Potassium	39-2	4326	3942	3984	4084	5.15	cps
Rhodium	103-1	5940219	6260523	6204764	6135169	2.79	cps
Rhodium	103-2	1987888	2012352	2006479	2002240	0.64	cps
Scandium	45-1	4090621	4310283	4340724	4247209	3.21	cps
Scandium	45-2	44086	43514	43531	43710	0.74	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	4	9	6	57.80	cps
Selenium	82-1	-136	-61	-88	-95	-39.79	cps
Silicon	28-1	512853	511741	517849	514148	0.63	cps
Silver	109-1	217	258	308	261	17.58	cps
Silver	107-1	317	383	225	308	25.78	cps
Sodium	23-2	7210	7878	7461	7516	4.48	cps
Strontium	86-1	1383	1559	1659	1533	9.08	cps
Strontium	88-1	325	150	217	231	38.31	cps
Sulfur	34-1	435312	433893	434902	434702	0.17	cps
Terbium	159-1	6710216	7016606	7037016	6921279	2.65	cps
Terbium	159-2	2043755	2032349	2022451	2032852	0.52	cps
Thallium	203-1	225	300	208	244	19.98	cps
Thallium	205-1	475	533	542	517	7.03	cps
Tin	118-1	567	792	592	650	18.97	cps
Titanium	47-1	217	267	208	231	13.68	cps
Uranium	238-1	25	42	100	56	70.89	cps
Vanadium	51-2	3	13	17	11	62.48	cps
Yttrium	89-1	6918918	7319068	7270138	7169375	3.04	cps
Yttrium	89-2	298766	296236	298275	297759	0.45	cps
Zinc	66-2	70	87	57	71	21.14	cps
Zirconium	90-1	917	900	967	928	3.74	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BL	Instrumnet Name :	P8
Client Sample ID :	PBW007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:09:44	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	200	225	192	206	8.44	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:12:53	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	333	442	425	400	14.58	cps
Antimony	121-1	36919	36300	36158	36459	1.11	cps
Arsenic	75-2	304	372	285	320	14.31	cps
Barium	135-1	34680	34947	35256	34961	0.82	cps
Barium	137-1	58631	61042	59602	59758	2.03	cps
Beryllium	9-1	3317	3050	3078	3149	4.66	cps
Bismuth	209-1	3604455	3646913	3558920	3603429	1.22	cps
Bismuth	209-2	1423799	1432718	1418926	1425148	0.49	cps
Boron	10-1	9103	9987	9420	9504	4.71	cps
Boron	11-1	42096	44161	43868	43375	2.58	cps
Cadmium	111-1	5069	5436	5215	5240	3.53	cps
Cadmium	106-1	1884	2050	2217	2050	8.13	cps
Cadmium	108-1	263	279	292	278	5.27	cps
Calcium	43-1	26275	25441	25825	25847	1.62	cps
Calcium	44-1	428491	429970	422440	426967	0.93	cps
Chromium	52-2	6085	6088	5718	5964	3.57	cps
Cobalt	59-2	4941	4654	5004	4866	3.83	cps
Copper	63-2	8863	9230	8983	9025	2.07	cps
Dysprosium	156-1	0	33	33	22	86.60	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	42	33	33	25.01	cps
Erbium	164-2	7	7	3	6	34.70	cps
Gadolinium	160-1	75	58	67	67	12.49	cps
Gadolinium	160-2	7	3	13	8	65.47	cps
Holmium	165-1	6511996	6545793	6269111	6442300	2.34	cps
Holmium	165-2	2024468	1999601	2002160	2008743	0.68	cps
Indium	115-1	6431244	6476603	6314861	6407569	1.30	cps
Indium	115-2	398806	402048	397048	399301	0.64	cps
Iron	56-2	315580	315619	315377	315525	0.04	cps
Iron	57-2	7641	7880	7424	7649	2.98	cps
Lead	206-1	10366	9804	9982	10051	2.86	cps
Lead	207-1	9087	8748	8614	8816	2.76	cps
Lead	208-1	40671	39486	39714	39957	1.57	cps
Lithium	6-1	1091084	1098541	1090383	1093336	0.41	cps
Magnesium	24-2	39773	39114	38486	39124	1.64	cps
Manganese	55-2	847	790	733	790	7.17	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:12:53	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	32724	33860	32716	33100	1.99	cps
Molybdenum	95-1	40670	39667	39759	40032	1.38	cps
Molybdenum	96-1	43655	44449	42894	43666	1.78	cps
Molybdenum	97-1	25199	23880	24131	24403	2.87	cps
Molybdenum	98-1	63039	63776	63667	63494	0.63	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	1723	1540	1540	1601	6.61	cps
Phosphorus	31-2	8	17	25	17	50.01	cps
Potassium	39-2	30016	31052	30476	30515	1.70	cps
Rhodium	103-1	6135852	6238456	6048025	6140777	1.55	cps
Rhodium	103-2	2002809	1988575	1994755	1995380	0.36	cps
Scandium	45-1	4307095	4268414	4188346	4254618	1.42	cps
Scandium	45-2	43755	43290	42822	43289	1.08	cps
Selenium	77-2	10	20	10	13	43.30	cps
Selenium	78-2	30	31	46	36	25.52	cps
Selenium	82-1	1391	1319	1296	1335	3.69	cps
Silicon	28-1	623015	618310	619560	620295	0.39	cps
Silver	109-1	19465	19749	19014	19409	1.91	cps
Silver	107-1	21501	20558	20817	20959	2.33	cps
Sodium	23-2	105866	103902	103290	104353	1.29	cps
Strontium	86-1	6885	7427	6802	7038	4.82	cps
Strontium	88-1	47986	48738	47367	48030	1.43	cps
Sulfur	34-1	431952	435079	432352	433128	0.39	cps
Terbium	159-1	6925550	6835413	6759829	6840264	1.21	cps
Terbium	159-2	2021582	1989441	1967133	1992719	1.37	cps
Thallium	203-1	10396	11280	10555	10744	4.39	cps
Thallium	205-1	24809	24758	24491	24686	0.69	cps
Tin	118-1	60764	63024	60395	61395	2.32	cps
Titanium	47-1	12448	11555	11730	11911	3.97	cps
Uranium	238-1	29912	29052	28667	29210	2.18	cps
Vanadium	51-2	8333	8639	8449	8474	1.83	cps
Yttrium	89-1	7236325	7224521	6972431	7144425	2.09	cps
Yttrium	89-2	299496	300798	296775	299023	0.69	cps
Zinc	66-2	840	877	953	890	6.50	cps
Zirconium	90-1	29183	30243	28640	29355	2.78	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	PB101045BS	Instrumnet Name :	P8
Client Sample ID :	LCS007	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:12:53	DataFile Name :	022LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	6852	6585	6235	6557	4.72	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	I4260-11	Instrumnet Name :	P8
Client Sample ID :	MBDX34	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:16:02	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	42	42	33	39	12.38	cps
Antimony	121-1	308	283	383	325	16.01	cps
Arsenic	75-2	6	0	2	2	114.63	cps
Barium	135-1	58	75	83	72	17.62	cps
Barium	137-1	58	117	150	108	42.83	cps
Beryllium	9-1	61	83	139	94	42.42	cps
Bismuth	209-1	3941491	3936999	3904916	3927802	0.51	cps
Bismuth	209-2	1548194	1480390	1508425	1512336	2.25	cps
Boron	10-1	1275	1250	1258	1261	1.01	cps
Boron	11-1	6402	5493	5776	5890	7.89	cps
Cadmium	111-1	1218	1095	1296	1203	8.42	cps
Cadmium	106-1	1734	1567	1842	1714	8.08	cps
Cadmium	108-1	0	8	8	6	86.60	cps
Calcium	43-1	4159	3942	3967	4023	2.95	cps
Calcium	44-1	65471	67061	65195	65909	1.53	cps
Chromium	52-2	957	983	1020	987	3.22	cps
Cobalt	59-2	53	33	57	48	26.42	cps
Copper	63-2	453	440	457	450	1.96	cps
Dysprosium	156-1	8	8	0	6	86.60	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	25	42	0	22	94.38	cps
Erbium	164-2	0	0	0	0	0.00	cps
Gadolinium	160-1	100	67	108	92	24.05	cps
Gadolinium	160-2	3	13	20	12	68.66	cps
Holmium	165-1	7017118	6784859	6871603	6891193	1.70	cps
Holmium	165-2	2157382	2100132	2137570	2131695	1.36	cps
Indium	115-1	6894404	6850618	6914006	6886343	0.47	cps
Indium	115-2	432333	414373	414848	420518	2.43	cps
Iron	56-2	3206	2823	2845	2958	7.28	cps
Iron	57-2	94	139	67	100	36.43	cps
Lead	206-1	589	467	478	511	13.22	cps
Lead	207-1	522	583	511	539	7.22	cps
Lead	208-1	2339	2222	2056	2206	6.46	cps
Lithium	6-1	1182825	1168727	1165358	1172303	0.79	cps
Magnesium	24-2	142	100	200	147	34.12	cps
Manganese	55-2	63	53	43	53	18.75	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	I4260-11	Instrumnet Name :	P8
Client Sample ID :	MBDX34	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:16:02	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	242	225	200	222	9.44	cps
Molybdenum	95-1	83	75	67	75	11.11	cps
Molybdenum	96-1	192	117	175	161	24.45	cps
Molybdenum	97-1	58	142	100	100	41.66	cps
Molybdenum	98-1	67	58	100	75	29.40	cps
Neodymium	150-1	0	13	0	4	173.21	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	70	113	77	87	26.93	cps
Phosphorus	31-2	8	17	17	14	34.67	cps
Potassium	39-2	4351	4368	4551	4423	2.51	cps
Rhodium	103-1	6688540	6694311	6752500	6711783	0.53	cps
Rhodium	103-2	2157317	2090858	2086227	2111467	1.88	cps
Scandium	45-1	4566336	4594209	4646361	4602302	0.88	cps
Scandium	45-2	47042	44858	45627	45843	2.42	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	2	6	2	3	69.39	cps
Selenium	82-1	-132	-48	-90	-90	-46.86	cps
Silicon	28-1	486361	475761	484308	482144	1.17	cps
Silver	109-1	350	158	258	256	37.51	cps
Silver	107-1	275	333	258	289	13.63	cps
Sodium	23-2	6719	6927	6552	6732	2.79	cps
Strontium	86-1	1709	1542	1400	1550	9.96	cps
Strontium	88-1	433	358	475	422	14.00	cps
Sulfur	34-1	430633	429624	425097	428451	0.69	cps
Terbium	159-1	7423676	7357213	7392744	7391211	0.45	cps
Terbium	159-2	2134520	2081360	2078111	2097997	1.51	cps
Thallium	203-1	183	183	125	164	20.55	cps
Thallium	205-1	358	317	283	319	11.76	cps
Tin	118-1	592	600	550	581	4.61	cps
Titanium	47-1	192	250	183	208	17.43	cps
Uranium	238-1	33	83	58	58	42.86	cps
Vanadium	51-2	17	3	3	8	99.04	cps
Yttrium	89-1	7925994	7805938	7791796	7841243	0.94	cps
Yttrium	89-2	323510	307098	308103	312904	2.94	cps
Zinc	66-2	207	170	177	184	10.59	cps
Zirconium	90-1	567	408	717	564	27.34	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	I4260-11	Instrumnet Name :	P8
Client Sample ID :	MBDX34	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:16:02	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	117	108	133	119	10.66	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P8
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:19:42	DataFile Name :	024CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	432053	439270	430789	434037	1.05	cps
Antimony	121-1	4986522	5023696	4997235	5002484	0.38	cps
Arsenic	75-2	76937	77538	76681	77052	0.57	cps
Barium	135-1	4934324	4924095	4941604	4933341	0.18	cps
Barium	137-1	8368650	8484176	8415434	8422753	0.69	cps
Beryllium	9-1	796616	801563	796690	798290	0.36	cps
Bismuth	209-1	3727099	3760003	3750556	3745886	0.45	cps
Bismuth	209-2	1427268	1439571	1423453	1430097	0.59	cps
Boron	10-1	92321	92757	95106	93395	1.60	cps
Boron	11-1	423158	436504	440999	433554	2.14	cps
Cadmium	111-1	1075668	1095772	1086664	1086035	0.93	cps
Cadmium	106-1	112642	112718	113947	113103	0.65	cps
Cadmium	108-1	75343	75619	77174	76045	1.30	cps
Calcium	43-1	6133694	6156083	6091639	6127138	0.53	cps
Calcium	44-1	99425956	100318425	99884423	99876268	0.45	cps
Chromium	52-2	624038	627973	631962	627991	0.63	cps
Cobalt	59-2	1227363	1237510	1224375	1229749	0.56	cps
Copper	63-2	2131188	2101494	2080792	2104491	1.20	cps
Dysprosium	156-1	150	125	117	131	13.29	cps
Dysprosium	156-2	27	20	37	28	30.20	cps
Erbium	164-1	67	42	8	39	75.26	cps
Erbium	164-2	20	10	23	18	39.03	cps
Gadolinium	160-1	83	83	92	86	5.58	cps
Gadolinium	160-2	17	23	30	23	28.56	cps
Holmium	165-1	6799649	6858264	6921174	6859696	0.89	cps
Holmium	165-2	2089966	2097368	2099096	2095477	0.23	cps
Indium	115-1	6450740	6502329	6411848	6454972	0.70	cps
Indium	115-2	383176	389295	383419	385297	0.90	cps
Iron	56-2	100448938	100956955	100230130	100545341	0.37	cps
Iron	57-2	2529805	2567625	2523237	2540222	0.94	cps
Lead	206-1	2335141	2365704	2382864	2361236	1.02	cps
Lead	207-1	2095581	2159404	2157517	2137501	1.70	cps
Lead	208-1	9484571	9639888	9660815	9595091	1.00	cps
Lithium	6-1	1084186	1064708	1062065	1070320	1.13	cps
Magnesium	24-2	10408115	10570098	10423846	10467353	0.85	cps
Manganese	55-2	362295	365906	364250	364150	0.50	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P8
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:19:42	DataFile Name :	024CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4001407	4086020	4000350	4029259	1.22	cps
Molybdenum	95-1	2277013	2335940	2296012	2302989	1.31	cps
Molybdenum	96-1	2892424	2941284	2914967	2916225	0.84	cps
Molybdenum	97-1	1422259	1421483	1418467	1420736	0.14	cps
Molybdenum	98-1	3664762	3700239	3702071	3689024	0.57	cps
Neodymium	150-1	253	167	173	198	24.39	cps
Neodymium	150-2	3	23	30	19	73.49	cps
Nickel	60-2	357480	358057	355061	356866	0.45	cps
Phosphorus	31-2	6777	6852	6944	6858	1.22	cps
Potassium	39-2	3400992	3409367	3401872	3404077	0.14	cps
Rhodium	103-1	5978223	5980229	5985865	5981439	0.07	cps
Rhodium	103-2	1902785	1906379	1882500	1897221	0.68	cps
Scandium	45-1	4308307	4335392	4303289	4315663	0.40	cps
Scandium	45-2	43477	43303	43043	43274	0.51	cps
Selenium	77-2	560	553	517	543	4.29	cps
Selenium	78-2	1928	1950	1982	1953	1.38	cps
Selenium	82-1	72388	73069	72401	72619	0.54	cps
Silicon	28-1	2810214	2873828	2857440	2847161	1.16	cps
Silver	109-1	5024426	5072557	5101205	5066063	0.77	cps
Silver	107-1	5320222	5377618	5406646	5368162	0.82	cps
Sodium	23-2	25054970	25273643	25004377	25110997	0.57	cps
Strontium	86-1	1507784	1537034	1505523	1516780	1.16	cps
Strontium	88-1	12757137	13064923	12817394	12879818	1.27	cps
Sulfur	34-1	820767	817510	818774	819017	0.20	cps
Terbium	159-1	7171476	7330069	7345705	7282417	1.32	cps
Terbium	159-2	2037724	2066139	2046660	2050174	0.71	cps
Thallium	203-1	2893867	2954484	2898317	2915556	1.16	cps
Thallium	205-1	6754531	6896174	6915497	6855401	1.28	cps
Tin	118-1	3490690	3483607	3492380	3488892	0.13	cps
Titanium	47-1	634091	644699	636545	638445	0.87	cps
Uranium	238-1	8486322	8557882	8599879	8548028	0.67	cps
Vanadium	51-2	453041	455505	453228	453925	0.30	cps
Yttrium	89-1	7408167	7437555	7319370	7388364	0.83	cps
Yttrium	89-2	294139	298220	296272	296211	0.69	cps
Zinc	66-2	201098	205048	204872	203672	1.10	cps
Zirconium	90-1	7441592	7533121	7551863	7508859	0.79	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCV033	Instrumnet Name :	P8
Client Sample ID :	CCV033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:19:42	DataFile Name :	024CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	1680021	1719571	1685728	1695107	1.26	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P8
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:22:40	DataFile Name :	025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	0	8	8	6	86.60	cps
Antimony	121-1	2509	2784	2459	2584	6.77	cps
Arsenic	75-2	6	4	11	7	56.78	cps
Barium	135-1	33	50	8	31	68.64	cps
Barium	137-1	67	75	50	64	19.92	cps
Beryllium	9-1	133	189	194	172	19.62	cps
Bismuth	209-1	3828175	3646200	3728442	3734272	2.44	cps
Bismuth	209-2	1482953	1469800	1474158	1475637	0.45	cps
Boron	10-1	3301	3025	2725	3017	9.53	cps
Boron	11-1	13590	12364	11905	12620	6.90	cps
Cadmium	111-1	1309	1022	1181	1170	12.29	cps
Cadmium	106-1	1817	1458	1675	1650	10.94	cps
Cadmium	108-1	13	17	13	14	17.33	cps
Calcium	43-1	4368	4309	3951	4209	5.36	cps
Calcium	44-1	69239	67714	66945	67966	1.72	cps
Chromium	52-2	1190	1280	1267	1246	3.90	cps
Cobalt	59-2	53	80	50	61	26.91	cps
Copper	63-2	297	350	387	344	13.14	cps
Dysprosium	156-1	0	33	8	14	124.92	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	17	33	33	28	34.63	cps
Erbium	164-2	3	0	3	2	86.60	cps
Gadolinium	160-1	58	42	50	50	16.67	cps
Gadolinium	160-2	7	20	7	11	69.25	cps
Holmium	165-1	6561346	6343922	6580829	6495366	2.02	cps
Holmium	165-2	2066340	2057535	2054188	2059354	0.30	cps
Indium	115-1	6616942	6178654	6513587	6436394	3.56	cps
Indium	115-2	403872	403158	399142	402057	0.63	cps
Iron	56-2	3328	3284	3345	3319	0.95	cps
Iron	57-2	111	106	122	113	7.51	cps
Lead	206-1	556	494	550	533	6.34	cps
Lead	207-1	472	600	450	507	15.95	cps
Lead	208-1	2245	2211	2017	2158	5.70	cps
Lithium	6-1	1090669	1060212	1082993	1077958	1.47	cps
Magnesium	24-2	133	167	208	169	22.18	cps
Manganese	55-2	70	33	47	50	37.12	cps

LB Number : LB89159 Operator : Jaswal
 Lab Sample ID : CCB033 Instrumnet Name : P8
 Client Sample ID : CCB033 Dilution Factor : 1
 Date & Time Acquired :: 2017-07-28 16:22:40 DataFile Name : 025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	725	658	883	756	15.30	cps
Molybdenum	95-1	200	108	133	147	32.19	cps
Molybdenum	96-1	350	350	325	342	4.22	cps
Molybdenum	97-1	150	133	142	142	5.88	cps
Molybdenum	98-1	167	300	242	236	28.31	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	73	93	93	87	13.32	cps
Phosphorus	31-2	8	17	0	8	100.02	cps
Potassium	39-2	5009	4751	4343	4701	7.15	cps
Rhodium	103-1	6261475	6037622	6174341	6157813	1.83	cps
Rhodium	103-2	2042536	2022194	2003294	2022674	0.97	cps
Scandium	45-1	4295659	4125242	4258639	4226514	2.12	cps
Scandium	45-2	43608	43521	43327	43485	0.33	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	15	2	9	9	75.26	cps
Selenium	82-1	27	-201	-85	-86	-131.81	cps
Silicon	28-1	529972	520644	511163	520593	1.81	cps
Silver	109-1	242	308	258	269	12.88	cps
Silver	107-1	250	400	417	356	25.82	cps
Sodium	23-2	11288	11280	10905	11158	1.96	cps
Strontium	86-1	1458	1417	1467	1447	1.85	cps
Strontium	88-1	183	233	275	231	19.91	cps
Sulfur	34-1	436116	435663	432707	434828	0.43	cps
Terbium	159-1	7076708	6785155	6963183	6941682	2.12	cps
Terbium	159-2	2040621	2024269	2009982	2024957	0.76	cps
Thallium	203-1	508	542	342	464	23.10	cps
Thallium	205-1	1325	1092	1175	1197	9.88	cps
Tin	118-1	1258	1233	1325	1272	3.73	cps
Titanium	47-1	167	183	250	200	22.05	cps
Uranium	238-1	92	125	17	78	71.34	cps
Vanadium	51-2	30	13	3	16	86.63	cps
Yttrium	89-1	7368818	6991184	7156369	7172124	2.64	cps
Yttrium	89-2	302351	297899	296911	299053	0.97	cps
Zinc	66-2	90	80	80	83	6.93	cps
Zirconium	90-1	1667	1775	1609	1684	5.02	cps

LB Number :	LB89159	Operator :	Jaswal
Lab Sample ID :	CCB033	Instrumnet Name :	P8
Client Sample ID :	CCB033	Dilution Factor :	1
Date & Time Acquired ::	2017-07-28 16:22:40	DataFile Name :	025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	91-1	450	425	375	417	9.17	cps