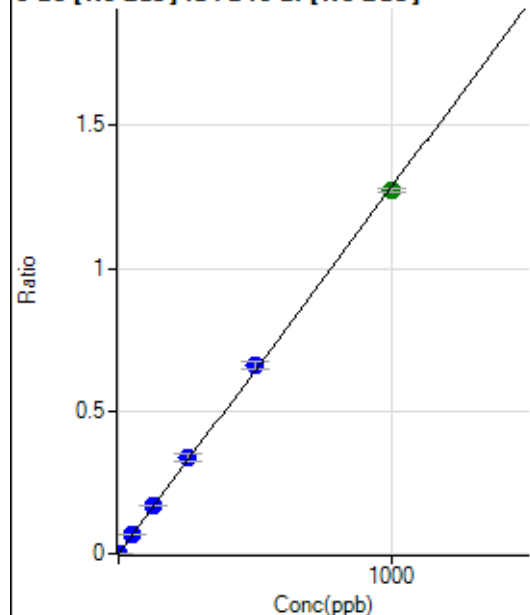


Batch Folder: D:\P8031519 MS.b\
Analysis File: P8031519 MS.batch.bin
DA Date-Time: 2019-03-15 16:48:55
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-03-15 13:51:00
2			
3	005CALS.d	S02	2019-03-15 13:58:43
4	006CALS.d	S03	2019-03-15 14:02:35
5	007CALS.d	S04	2019-03-15 14:06:25
6	008CALS.d	S05	2019-03-15 14:10:08
7	009CALS.d	S06	2019-03-15 14:13:46
8	010CALS.d	S07	2019-03-15 14:17:20
9	011CALS.d	S08	2019-03-15 14:20:45

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.34	0.0000	P	23.6
2	☐	0.100					
3	☐	1.000	0.901	1671.24	0.0012	P	0.9
4	☐	50.000	50.743	91405.25	0.0652	P	2.1
5	☐	125.000	129.264	232517.66	0.1660	P	0.9
6	☐	250.000	262.921	463842.90	0.3376	P	8.8
7	☐	500.000	513.040	935787.22	0.6588	P	4.6
8	☐	1000.000	989.680	1839153.17	1.2708	A	1.1
9	☐			383.35	0.0003	P	5.4

$$y = 0.0013 * x + 4.6483E-005$$

$$R = 0.9998$$

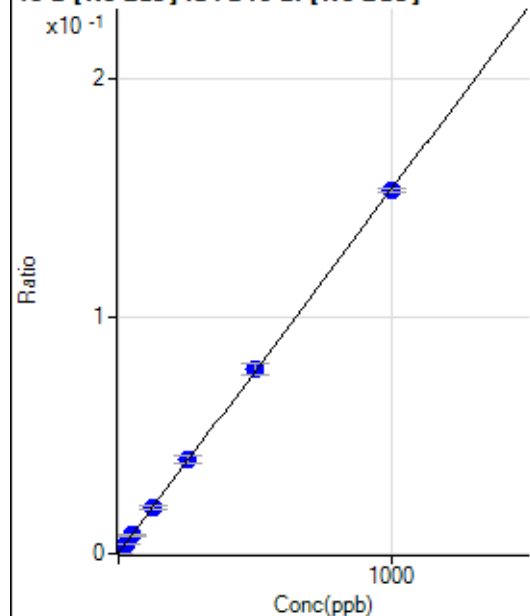
$$DL = 0.02567$$

$$BEC = 0.0362$$

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	341.69	0.0003	P	10.3
2	☐	2.500					
3	☐	25.000	22.421	5117.81	0.0037	P	1.9
4	☐	50.000	48.779	10829.48	0.0077	P	2.8
5	☐	125.000	125.308	27237.76	0.0195	P	5.1
6	☐	250.000	255.533	54158.77	0.0394	P	8.1
7	☐	500.000	506.383	110517.50	0.0778	P	6.8
8	☐	1000.000	995.512	221149.58	0.1528	P	1.2
9	☐			12150.05	0.0088	P	8.2

$$y = 1.5323E-004 * x + 2.5101E-004$$

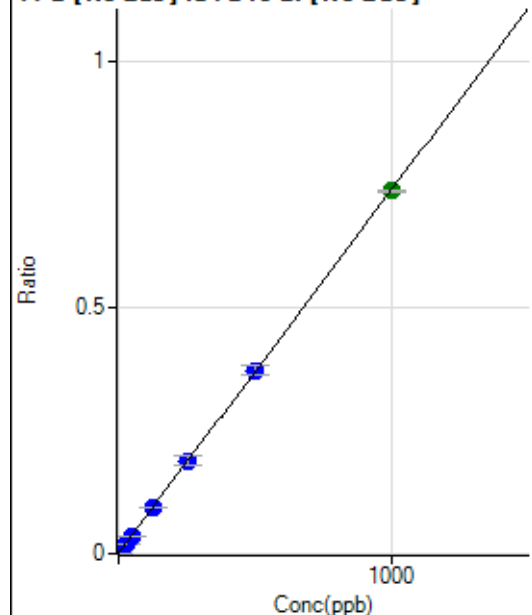
$$R = 0.9999$$

$$DL = 0.5053$$

$$BEC = 1.638$$

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	1633.51	0.0012	P	4.7
2	☐	2.500					
3	☐	25.000	22.698	24911.41	0.0179	P	4.1
4	☐	50.000	47.668	50972.06	0.0364	P	3.7
5	☐	125.000	125.295	131113.69	0.0936	P	2.7
6	☐	250.000	254.800	259832.15	0.1892	P	9.1
7	☐	500.000	503.400	529081.34	0.3725	P	5.4
8	☐	1000.000	997.237	1066444.45	0.7368	A	0.8
9	☐			55542.33	0.0401	P	8.8

$$y = 7.3767\text{E-}004 * x + 0.0012$$

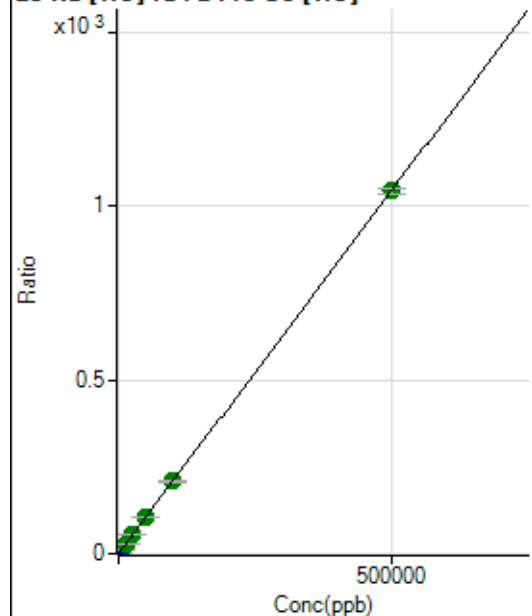
$$R = 1.0000$$

$$DL = 0.2283$$

$$BEC = 1.627$$

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	7160.45	0.1308	P	3.7
2	☐	50.000					
3	☐	500.000	480.933	63626.36	1.1338	P	0.6
4	☐	5000.000	5213.974	624083.64	11.0053	P	0.6
5	☐	12500.000	13195.536	1586392.01	27.6522	A	13.3
6	☐	25000.000	26409.840	3108983.99	55.2127	A	1.0
7	☐	50000.000	50768.367	6052013.50	106.0164	A	0.6
8	☐	100000.00	99708.822	12177486.82	208.0896	A	2.0
9	☐	500000.00	499891.39	60581308.99	1,042.734	A	1.3

$$y = 0.0021 * x + 0.1308$$

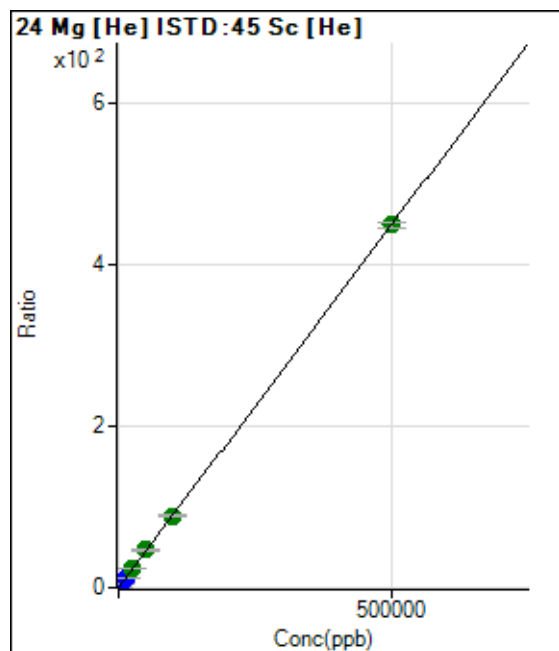
$$R = 1.0000$$

$$DL = 7.026$$

$$BEC = 62.69$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	441.70	0.0081	P	13.0
2	☐	50.000					
3	☐	500.000	499.630	25682.54	0.4576	P	1.0
4	☐	5000.000	5180.220	264756.18	4.6689	P	1.0
5	☐	12500.000	12855.684	663491.39	11.5748	P	14.3
6	☐	25000.000	26634.695	1349818.77	23.9724	A	1.4
7	☐	50000.000	51705.068	2656094.66	46.5292	A	1.0
8	☐	100000.00	99113.729	5219174.38	89.1847	A	1.9
9	☐	500000.00	499914.31	26132741.90	449.8009	A	1.3

$$y = 8.9974\text{E-}004 * x + 0.0081$$

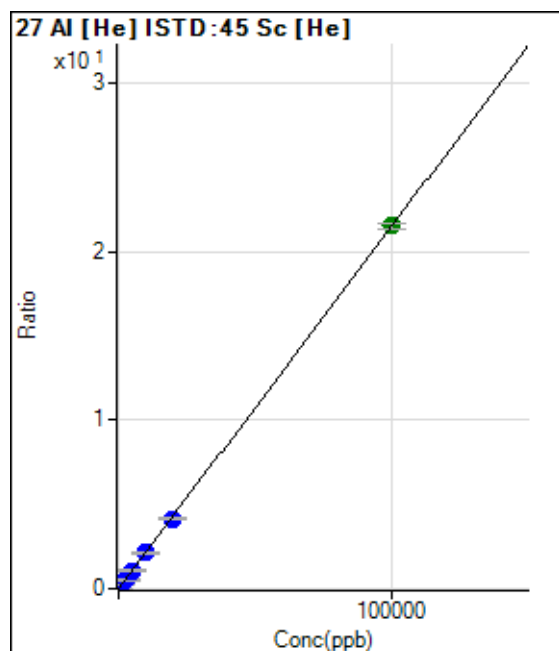
$$R = 1.0000$$

$$DL = 3.511$$

$$BEC = 8.978$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	49.18	0.0009	P	26.1
2	☐	2.000					
3	☐	20.000	20.717	300.08	0.0053	P	4.8
4	☐	1000.000	994.839	12165.02	0.2145	P	1.4
5	☐	2500.000	2480.128	30603.95	0.5335	P	13.4
6	☐	5000.000	5020.084	60751.27	1.0789	P	1.7
7	☐	10000.000	9831.521	120576.46	2.1122	P	0.5
8	☐	20000.000	19210.835	241462.37	4.1263	P	2.3
9	☐	100000.00	100174.22	1249847.66	21.5128	A	1.4

$$y = 2.1474\text{E-}004 * x + 8.9924\text{E-}004$$

$$R = 1.0000$$

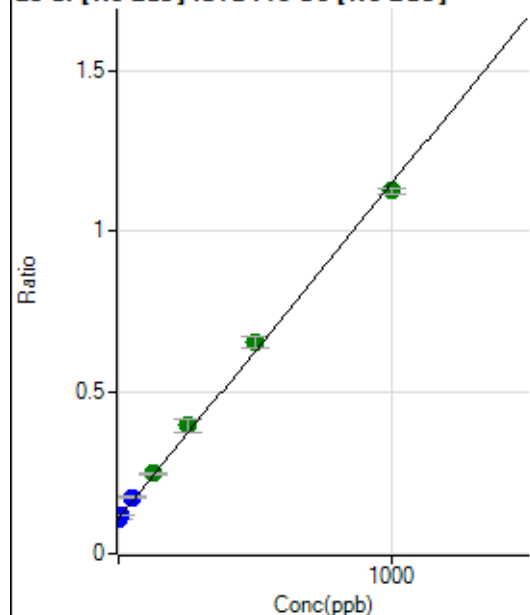
$$DL = 3.276$$

$$BEC = 4.187$$

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	434467.73	0.1095	P	1.1
2	☐	1.000					
3	☐	10.000	9.183	482430.51	0.1190	P	1.1
4	☐	50.000	61.762	708831.52	0.1737	P	3.6
5	☐	125.000	134.043	1033393.84	0.2488	A	3.3
6	☐	250.000	277.842	1607361.94	0.3982	A	11.3
7	☐	500.000	525.986	2800193.81	0.6561	A	5.1
8	☐	1000.000	978.336	4930442.08	1.1261	A	1.6
9	☐			616017.23	0.1444	P	0.5

$$y = 0.0010 * x + 0.1095$$

$$R = 0.9990$$

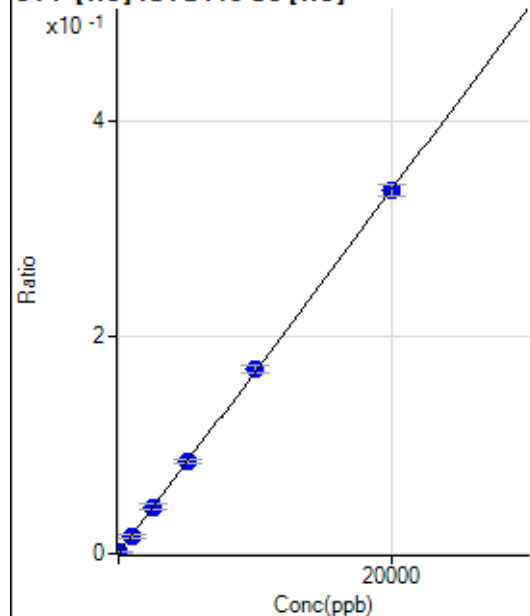
$$DL = 3.358$$

$$BEC = 105.4$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-23.281	19.45	0.0004	P	27.4
2	☐	0.000					
3	☐	0.000	23.281	63.89	0.0011	P	6.6
4	☐	1000.000	915.021	913.96	0.0161	P	13.5
5	☐	2500.000	2510.229	2461.42	0.0429	P	12.9
6	☐	5000.000	5032.882	4801.01	0.0852	P	5.0
7	☐	10000.000	10120.574	9742.70	0.1706	P	3.3
8	☐	20000.000	19934.463	19625.42	0.3354	P	3.3
9	☐			27.78	0.0005	P	46.7

$$y = 1.6787E-005 * x + 7.4726E-004$$

$$R = 1.0000$$

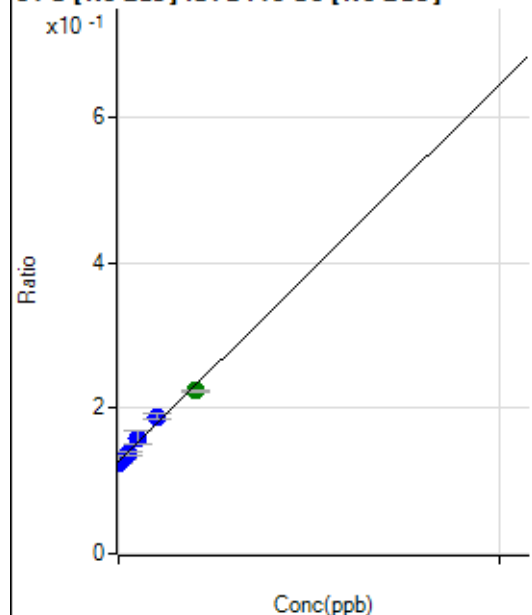
$$DL = 15.45$$

$$BEC = 44.51$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	233.599	506348.67	0.1276	P	1.7
2	☐	0.000					
3	☐	0.000	-233.599	507343.50	0.1252	P	0.9
4	☐	1000.000	846.707	533885.01	0.1308	P	3.4
5	☐	2500.000	2105.771	570630.23	0.1373	P	2.4
6	☐	5000.000	6376.858	644376.34	0.1596	P	10.9
7	☐	10000.000	11969.162	805505.08	0.1887	P	4.9
8	☐	20000.000	18728.148	980434.15	0.2239	A	1.2
9	☐			469208.25	0.1100	P	0.7

$$y = 5.2076\text{E-}006 * x + 0.1264$$

$$R = 0.9885$$

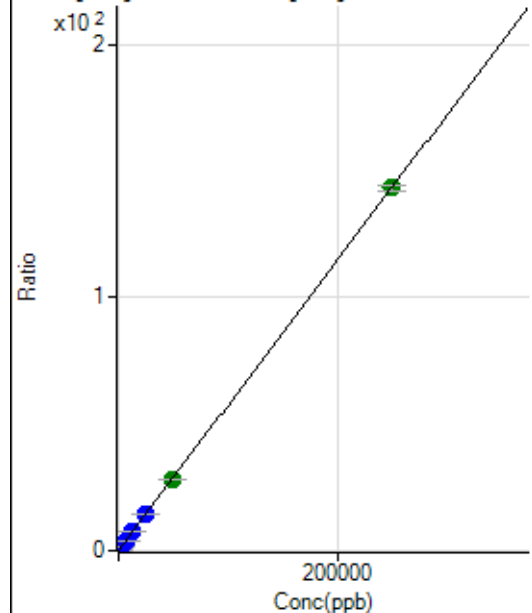
$$DL = 972.6$$

$$BEC = 2.427\text{E}+04$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5670.85	0.1036	P	6.6
2	☐	50.000					
3	☐	500.000	478.172	21180.62	0.3774	P	2.2
4	☐	2500.000	2538.994	88329.89	1.5577	P	1.0
5	☐	6250.000	6318.047	213407.30	3.7220	P	14.0
6	☐	12500.000	12761.603	417370.19	7.4123	P	1.3
7	☐	25000.000	25037.776	824502.55	14.4431	P	0.2
8	☐	50000.000	49227.231	1656102.57	28.2967	A	1.2
9	☐	250000.00	250135.64	8328787.42	143.3599	A	1.6

$$y = 5.7271\text{E-}004 * x + 0.1036$$

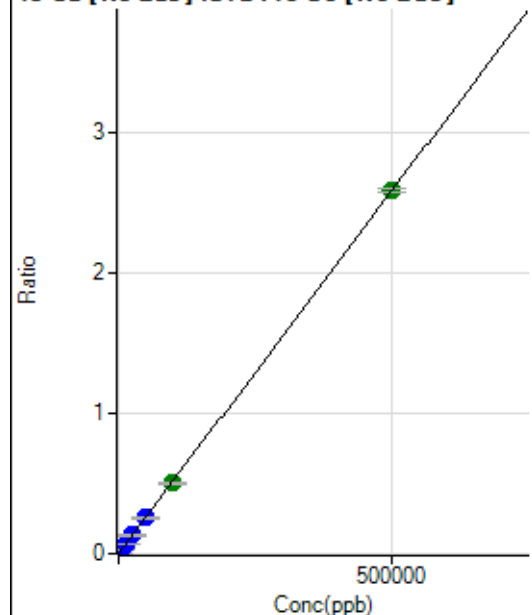
$$R = 1.0000$$

$$DL = 35.8$$

$$BEC = 180.8$$

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	712.26	0.0002	P	6.0
2	☐	50.000					
3	☐	500.000	453.376	10192.74	0.0025	P	3.1
4	☐	5000.000	4926.062	104309.39	0.0256	P	3.6
5	☐	12500.000	12521.787	268720.06	0.0647	P	2.5
6	☐	25000.000	25928.807	539692.88	0.1337	P	11.7
7	☐	50000.000	49782.059	1094922.61	0.2566	P	6.1
8	☐	100000.00	96834.526	2184370.21	0.4990	A	2.5
9	☐	500000.00	500608.69	11000643.45	2.5788	A	0.9

$$y = 5.1510\text{E-}006 * x + 1.7955\text{E-}004$$

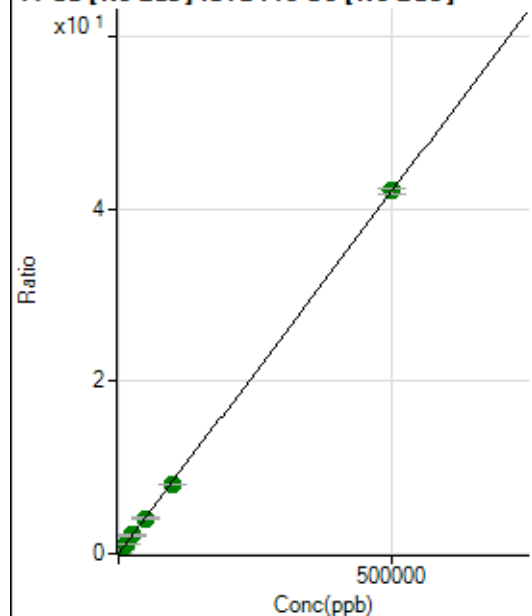
$$R = 1.0000$$

$$DL = 6.24$$

$$BEC = 34.86$$

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	29087.05	0.0073	P	0.9
2	☐	50.000					
3	☐	500.000	457.730	185756.12	0.0458	P	1.6
4	☐	5000.000	5014.489	1751401.29	0.4291	A	4.0
5	☐	12500.000	12508.462	4401488.72	1.0594	A	2.6
6	☐	25000.000	25558.401	8703546.61	2.1571	A	12.0
7	☐	50000.000	48881.751	17579970.29	4.1188	A	5.1
8	☐	100000.00	95377.461	35157316.42	8.0296	A	1.4
9	☐	500000.00	501008.09	179786479.5	42.1478	A	1.4

$$y = 8.4111\text{E-}005 * x + 0.0073$$

$$R = 0.9999$$

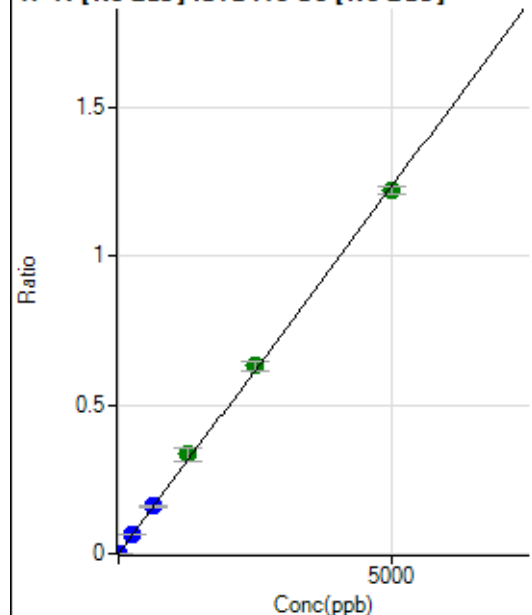
$$DL = 2.23$$

$$BEC = 87.13$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.12	0.0000	P	28.3
2	☐	0.500					
3	☐	5.000	4.709	4851.05	0.0012	P	3.7
4	☐	250.000	254.463	256564.53	0.0629	P	3.5
5	☐	625.000	648.870	665657.66	0.1602	P	2.2
6	☐	1250.000	1349.157	1343523.58	0.3331	A	12.4
7	☐	2500.000	2558.602	2695784.85	0.6316	A	5.3
8	☐	5000.000	4942.703	5341959.97	1.2202	A	2.0
9	☐			1041.76	0.0002	P	21.0

$$y = 2.4686E-004 * x + 3.4353E-005$$

$$R = 0.9997$$

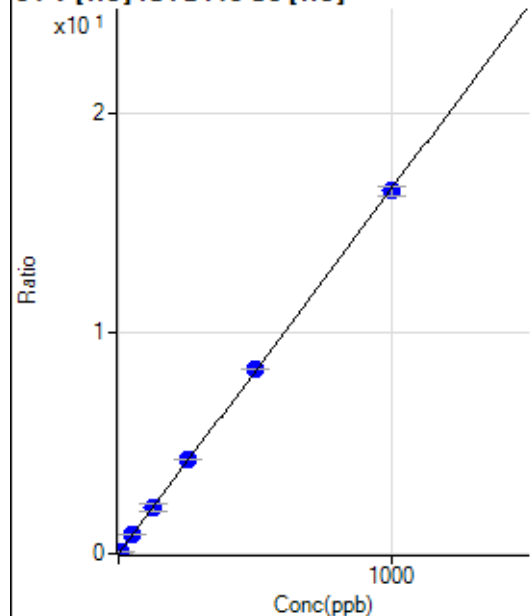
$$DL = 0.118$$

$$BEC = 0.1392$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.00	0.0004	P	18.7
2	☐	0.500					
3	☐	5.000	4.993	4657.52	0.0830	P	2.3
4	☐	50.000	50.755	47662.04	0.8405	P	0.9
5	☐	125.000	126.079	119756.38	2.0873	P	13.2
6	☐	250.000	257.016	239579.41	4.2547	P	0.6
7	☐	500.000	507.234	479321.06	8.3965	P	0.4
8	☐	1000.000	994.456	963270.05	16.4614	P	2.4
9	☐			140.00	0.0024	P	2.6

$$y = 0.0166 * x + 3.6585E-004$$

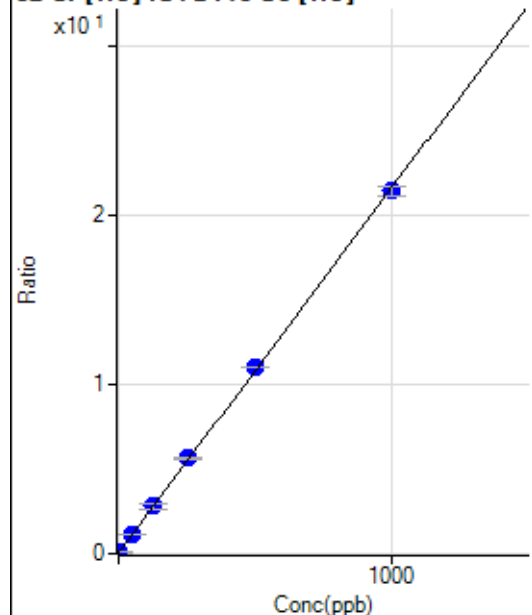
$$R = 0.9999$$

$$DL = 0.01237$$

$$BEC = 0.0221$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1637.90	0.0299	P	3.4
2	☐	0.200					
3	☐	2.000	1.905	3981.74	0.0710	P	3.6
4	☐	50.000	50.848	63851.57	1.1260	P	1.1
5	☐	125.000	127.895	159852.82	2.7869	P	13.5
6	☐	250.000	259.519	316696.88	5.6243	P	1.0
7	☐	500.000	510.049	629364.83	11.0250	P	0.6
8	☐	1000.000	992.192	1253339.50	21.4185	P	2.4
9	☐			10001.49	0.1722	P	4.0

$$y = 0.0216 * x + 0.0299$$

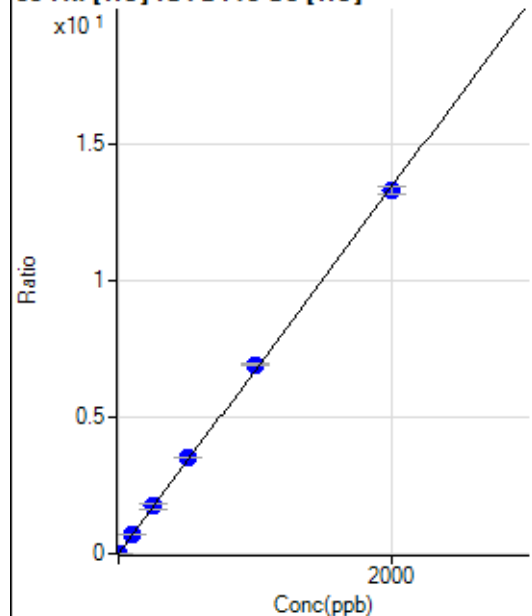
$$R = 0.9999$$

$$DL = 0.1399$$

$$BEC = 1.387$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	96.67	0.0018	P	10.1
2	☐	0.100					
3	☐	1.000	0.968	463.35	0.0083	P	10.1
4	☐	100.000	104.115	39766.67	0.7013	P	0.7
5	☐	250.000	257.432	99332.12	1.7313	P	13.2
6	☐	500.000	523.311	198071.19	3.5177	P	1.4
7	☐	1000.000	1030.182	395211.18	6.9231	P	0.7
8	☐	2000.000	1977.947	777773.44	13.2907	P	2.0
9	☐			2995.93	0.0516	P	3.6

$$y = 0.0067 * x + 0.0018$$

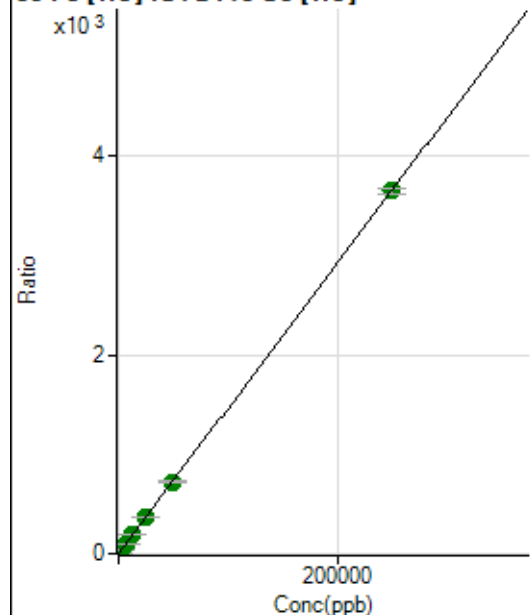
$$R = 0.9998$$

$$DL = 0.07944$$

$$BEC = 0.2621$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3120.82	0.0570	P	3.5
2	☐	5.000					
3	☐	50.000	50.903	44915.31	0.8005	P	2.9
4	☐	2500.000	2617.954	2171625.53	38.2976	A	1.5
5	☐	6250.000	6457.343	5411939.42	94.3797	A	13.9
6	☐	12500.000	13071.331	10754450.82	190.9906	A	0.9
7	☐	25000.000	25460.211	21233458.34	371.9557	A	0.4
8	☐	50000.000	49275.533	42124962.98	719.8274	A	1.9
9	☐	250000.00	250063.94	212219382.5	3,652.754	A	1.3

$$y = 0.0146 * x + 0.0570$$

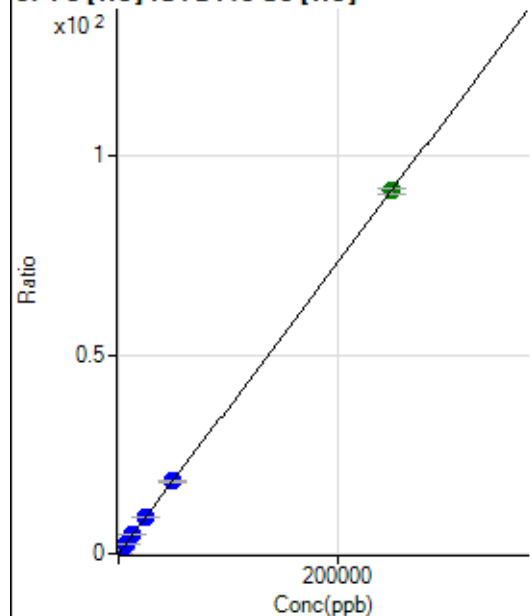
$$R = 1.0000$$

$$DL = 0.4117$$

$$BEC = 3.901$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	109.26	0.0020	P	19.5
2	☐	5.000					
3	☐	50.000	48.037	1096.37	0.0195	P	4.6
4	☐	2500.000	2555.312	53023.42	0.9350	P	0.7
5	☐	6250.000	6489.077	135977.48	2.3713	P	13.8
6	☐	12500.000	13112.776	269691.95	4.7897	P	1.6
7	☐	25000.000	25594.600	533569.44	9.3471	P	1.2
8	☐	50000.000	49708.180	1062199.02	18.1514	P	2.1
9	☐	250000.00	249961.73	5302418.52	91.2676	A	1.6

$$y = 3.6512E-004 * x + 0.0020$$

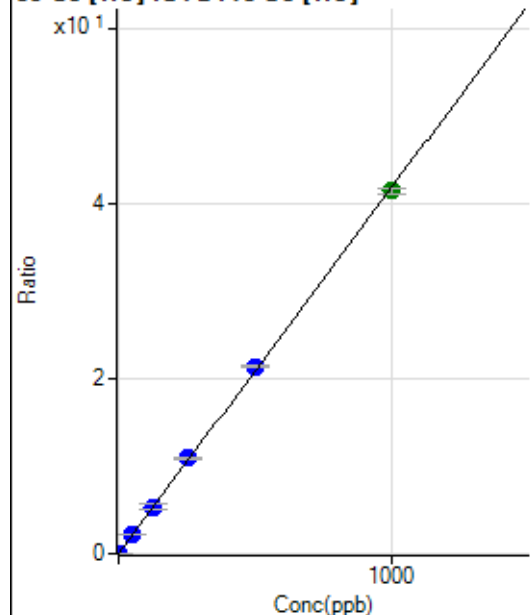
$$R = 1.0000$$

$$DL = 3.189$$

$$BEC = 5.456$$

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	198.89	0.0036	P	4.6
2	☐	0.100					
3	☐	1.000	0.962	2464.71	0.0439	P	2.4
4	☐	50.000	51.099	121566.76	2.1438	P	0.7
5	☐	125.000	128.277	308293.39	5.3761	P	13.8
6	☐	250.000	261.120	616001.47	10.9399	P	1.2
7	☐	500.000	510.968	1221840.21	21.4040	P	1.1
8	☐	1000.000	991.271	2430002.17	41.5201	A	1.3
9	☐			27662.13	0.4761	P	2.1

$$y = 0.0419 * x + 0.0036$$

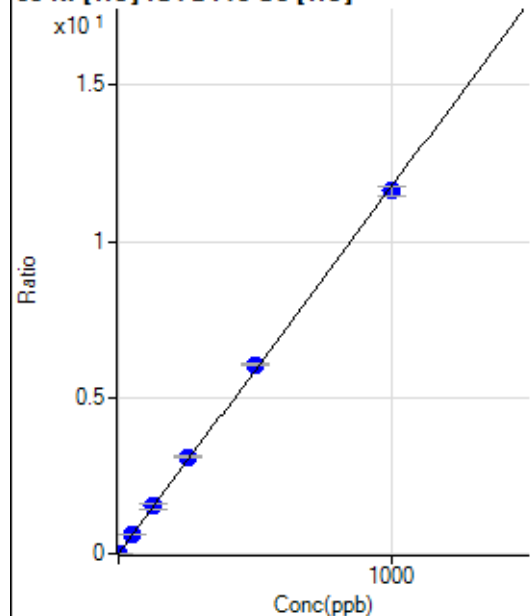
$$R = 0.9998$$

$$DL = 0.01196$$

$$BEC = 0.08663$$

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	80.00	0.0015	P	14.9
2	☐	0.100					
3	☐	1.000	0.985	732.26	0.0130	P	3.0
4	☐	50.000	52.427	35035.24	0.6179	P	1.3
5	☐	125.000	129.354	87291.40	1.5223	P	13.9
6	☐	250.000	263.400	174464.16	3.0983	P	0.8
7	☐	500.000	515.333	345967.39	6.0604	P	0.5
8	☐	1000.000	988.318	680053.27	11.6215	P	2.4
9	☐			8315.94	0.1431	P	2.3

$$y = 0.0118 * x + 0.0015$$

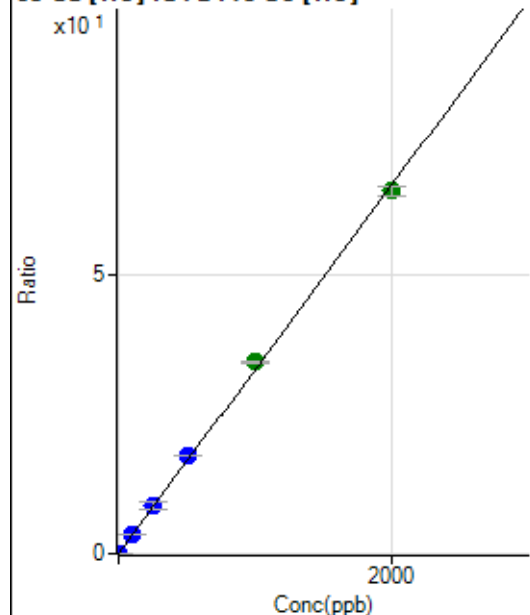
$$R = 0.9997$$

$$DL = 0.05574$$

$$BEC = 0.1245$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	498.91	0.0091	P	5.5
2	☐	0.200					
3	☐	2.000	1.967	4166.25	0.0742	P	1.6
4	☐	100.000	104.159	196163.94	3.4591	P	0.2
5	☐	250.000	262.275	498677.60	8.6964	P	13.8
6	☐	500.000	530.515	989979.42	17.5813	P	0.9
7	☐	1000.000	1041.520	1969842.22	34.5072	A	1.0
8	☐	2000.000	1969.869	3818577.03	65.2568	A	2.5
9	☐			5367.81	0.0924	P	3.2

$$y = 0.0331 * x + 0.0091$$

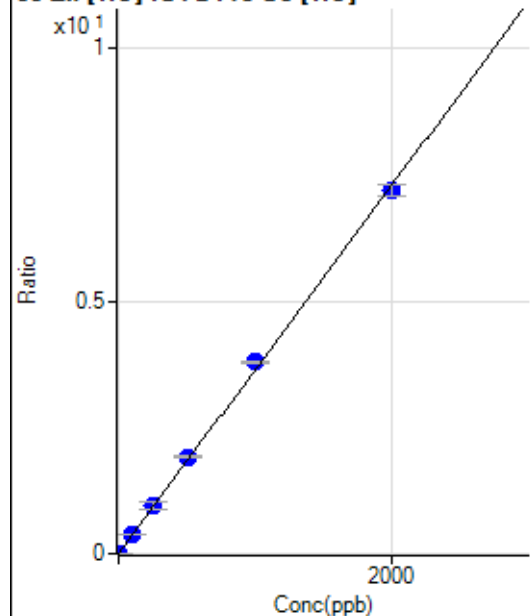
$$R = 0.9995$$

$$DL = 0.04578$$

$$BEC = 0.2751$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	35.55	0.0006	P	35.8
2	☐	0.200					
3	☐	2.000	1.937	432.24	0.0077	P	5.8
4	☐	100.000	103.887	21493.57	0.3791	P	2.1
5	☐	250.000	259.969	54290.38	0.9476	P	15.0
6	☐	500.000	526.301	107985.91	1.9178	P	1.3
7	☐	1000.000	1040.203	216339.84	3.7897	P	0.7
8	☐	2000.000	1971.883	420316.55	7.1835	P	3.1
9	☐			2615.85	0.0450	P	1.1

$$y = 0.0036 * x + 6.4537E-004$$

$$R = 0.9996$$

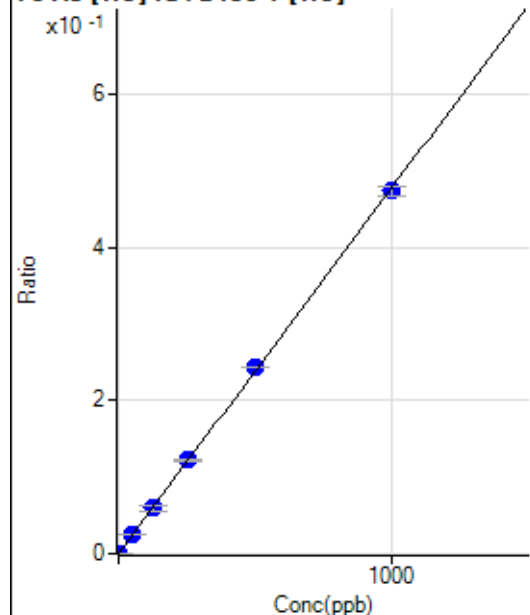
$$DL = 0.1905$$

$$BEC = 0.1772$$

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	6.79	0.0000	P	42.8
2	☐	0.100					
3	☐	1.000	0.950	158.64	0.0005	P	13.5
4	☐	50.000	50.831	8264.88	0.0243	P	0.7
5	☐	125.000	126.165	20930.71	0.0603	P	12.5
6	☐	250.000	255.238	41883.60	0.1219	P	1.0
7	☐	500.000	511.027	84118.02	0.2440	P	0.8
8	☐	1000.000	992.990	166575.62	0.4742	P	2.4
9	☐			238.27	0.0007	P	1.8

$$y = 4.7750E-004 * x + 2.0905E-005$$

$$R = 0.9999$$

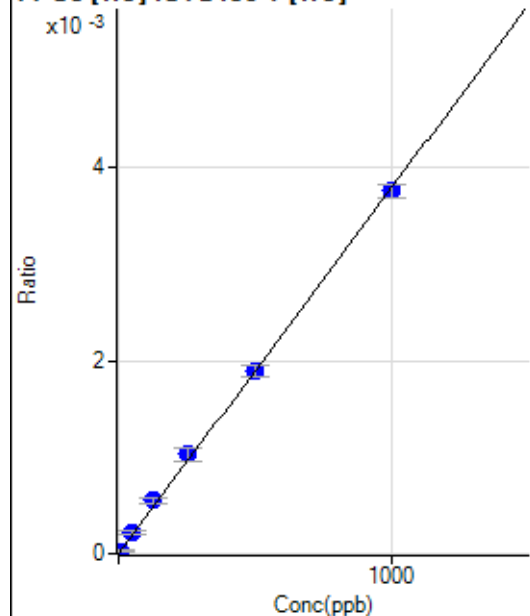
$$DL = 0.05625$$

$$BEC = 0.04378$$

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	6.099	7.78	0.0000	P	89.1
4	☐	50.000	56.036	72.22	0.0002	P	21.6
5	☐	125.000	144.983	191.11	0.0005	P	9.6
6	☐	250.000	271.397	353.35	0.0010	P	13.6
7	☐	500.000	499.597	652.25	0.0019	P	5.6
8	☐	1000.000	992.047	1320.09	0.0038	P	3.9
9	☐			2.22	0.0000	P	86.6

$$y = 3.7871E-006 * x + 0.0000E+000$$

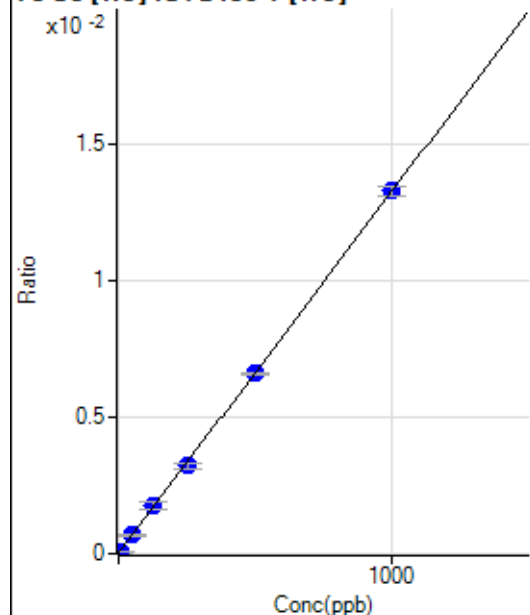
$$R = 0.9996$$

$$DL = 0$$

$$BEC = 0$$

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	4.32	0.0000	P	27.3
2	☐	0.500					
3	☐	5.000	5.116	27.16	0.0001	P	9.5
4	☐	50.000	50.233	230.87	0.0007	P	14.1
5	☐	125.000	133.898	619.77	0.0018	P	14.7
6	☐	250.000	241.524	1103.76	0.0032	P	6.2
7	☐	500.000	496.498	2271.82	0.0066	P	2.0
8	☐	1000.000	1002.746	4671.20	0.0133	P	2.9
9	☐			6.79	0.0000	P	69.1

$$y = 1.3247\text{E-}005 * x + 1.3325\text{E-}005$$

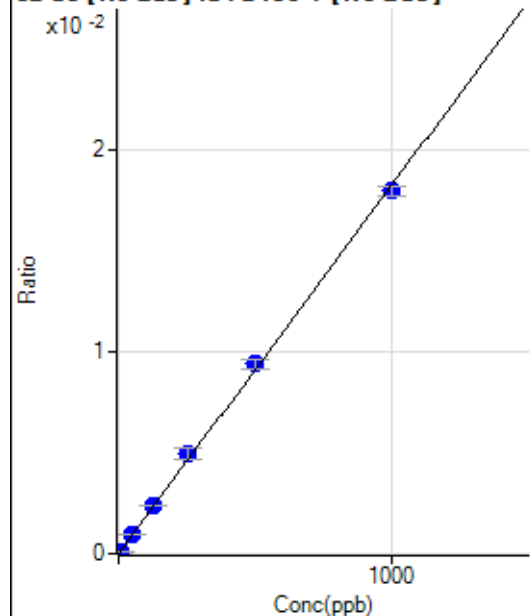
$$R = 0.9999$$

$$DL = 0.8244$$

$$BEC = 1.006$$

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	7.27	0.0000	P	991.
2	☐	0.500					
3	☐	5.000	4.870	554.07	0.0001	P	4.9
4	☐	50.000	52.534	6046.29	0.0010	P	2.8
5	☐	125.000	131.129	15294.57	0.0024	P	1.9
6	☐	250.000	271.775	30941.88	0.0049	P	12.4
7	☐	500.000	516.531	63441.50	0.0094	P	5.0
8	☐	1000.000	985.399	125189.09	0.0179	P	2.3
9	☐			69.87	0.0000	P	32.3

$$y = 1.8191\text{E-}005 * x + 1.3013\text{E-}006$$

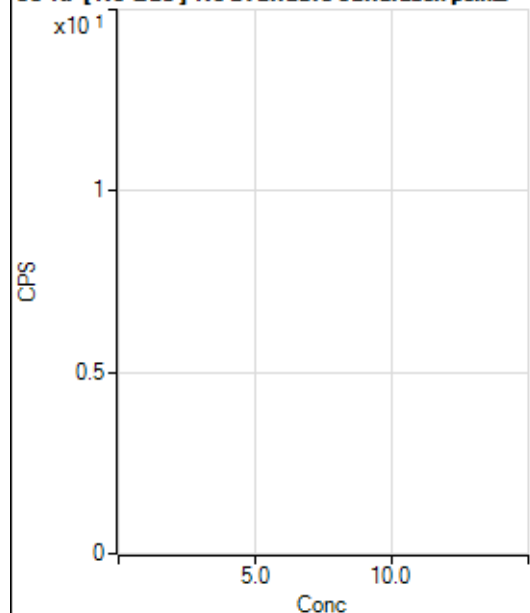
$$R = 0.9995$$

$$DL = 2.127$$

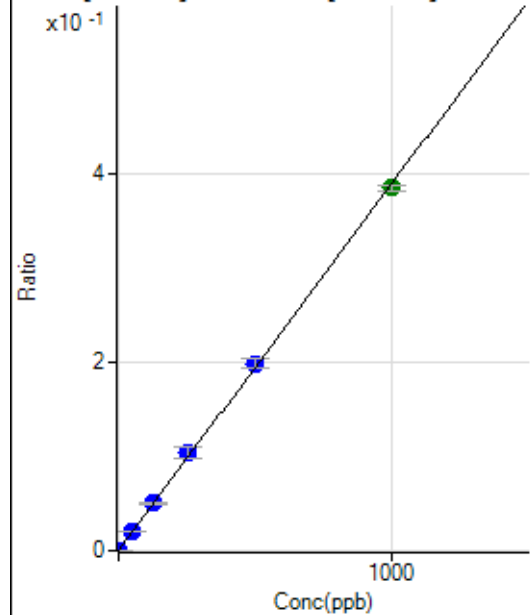
$$BEC = 0.07154$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			943.38		P	5.0
2	☐						
3	☐			967.83		P	1.6
4	☐			948.94		P	3.5
5	☐			972.27		P	2.8
6	☐			1047.83		P	4.5
7	☐			1061.17		P	4.6
8	☐			1045.62		P	6.5
9	☐			1073.39		P	4.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1436.25	0.0002	P	10.0
2	☐	0.100					
3	☐	1.000	0.783	3345.01	0.0005	P	3.8
4	☐	50.000	51.124	126827.24	0.0201	P	4.3
5	☐	125.000	129.646	323870.56	0.0505	P	3.0
6	☐	250.000	266.934	649653.01	0.1038	P	12.3
7	☐	500.000	511.035	1340582.27	0.1985	P	4.4
8	☐	1000.000	989.613	2683853.73	0.3843	A	1.4
9	☐			11344.08	0.0017	P	2.7

$$y = 3.8805E-004 * x + 2.3924E-004$$

$$R = 0.9997$$

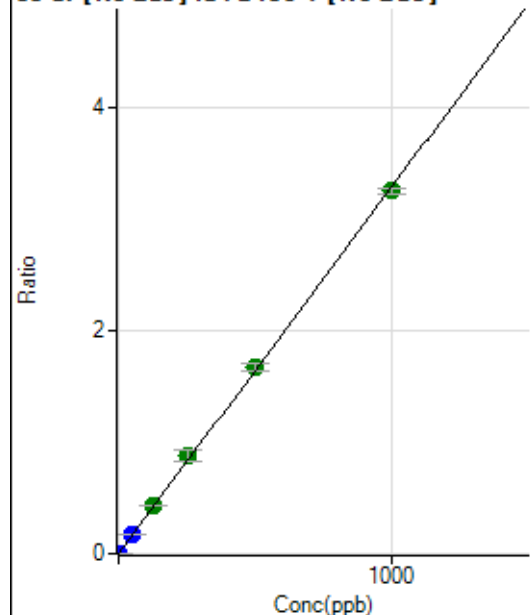
$$DL = 0.1843$$

$$BEC = 0.6165$$

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	97.23	0.0000	P	18.4
2	☐	0.100					
3	☐	1.000	0.828	16869.51	0.0027	P	5.6
4	☐	50.000	51.006	1059883.41	0.1677	P	2.6
5	☐	125.000	131.552	2772321.78	0.4326	A	1.8
6	☐	250.000	267.555	5505803.99	0.8799	A	12.2
7	☐	500.000	509.346	11309492.18	1.6750	A	4.4
8	☐	1000.000	990.069	22739109.54	3.2558	A	1.6
9	☐			82969.32	0.0122	P	1.5

$$y = 0.0033 * x + 1.6190E-005$$

$$R = 0.9997$$

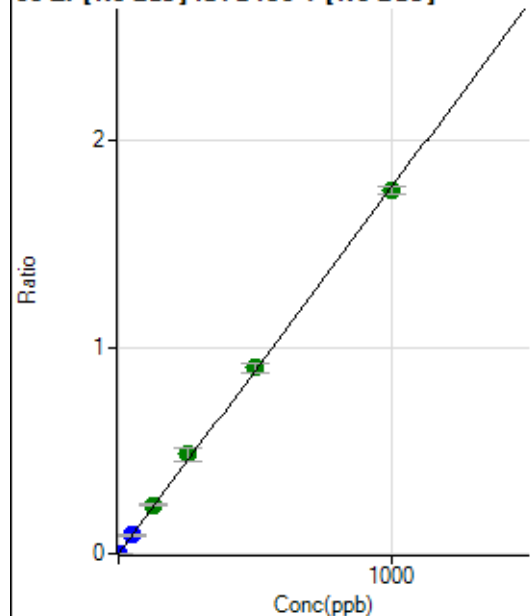
$$DL = 0.002712$$

$$BEC = 0.004923$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	405.58	0.0001	P	15.9
2	☐	0.100					
3	☐	1.000	0.834	9537.12	0.0015	P	1.9
4	☐	50.000	50.306	564525.28	0.0894	P	3.0
5	☐	125.000	133.342	1516884.05	0.2367	A	2.5
6	☐	250.000	271.250	3012633.51	0.4815	A	12.4
7	☐	500.000	506.611	6071797.88	0.8992	A	4.2
8	☐	1000.000	990.324	12275544.55	1.7577	A	2.0
9	☐			2925.46	0.0004	P	5.8

$$y = 0.0018 * x + 6.7600E-005$$

$$R = 0.9997$$

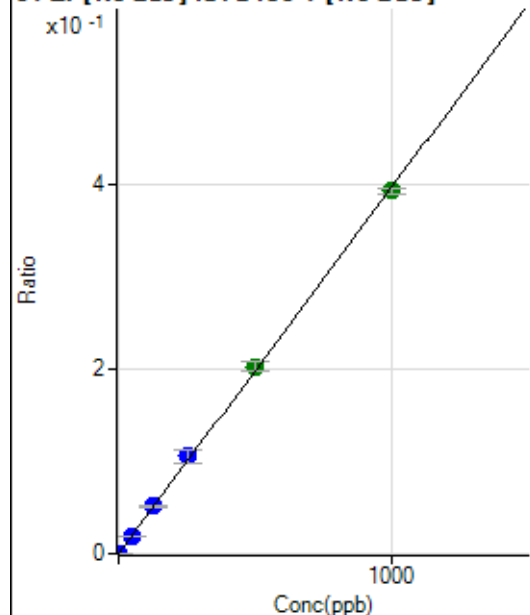
$$DL = 0.01815$$

$$BEC = 0.03809$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.90	0.0000	P	31.7
2	☐	0.100					
3	☐	1.000	0.891	2264.19	0.0004	P	6.8
4	☐	50.000	49.050	122836.63	0.0194	P	2.0
5	☐	125.000	129.065	327606.49	0.0511	P	2.4
6	☐	250.000	265.234	657159.09	0.1051	P	12.7
7	☐	500.000	510.033	1363704.74	0.2020	A	4.9
8	☐	1000.000	990.714	2740279.81	0.3924	A	1.7
9	☐			677.83	0.0001	P	18.7

$$y = 3.9602\text{E-}004 * x + 1.4756\text{E-}005$$

$$R = 0.9998$$

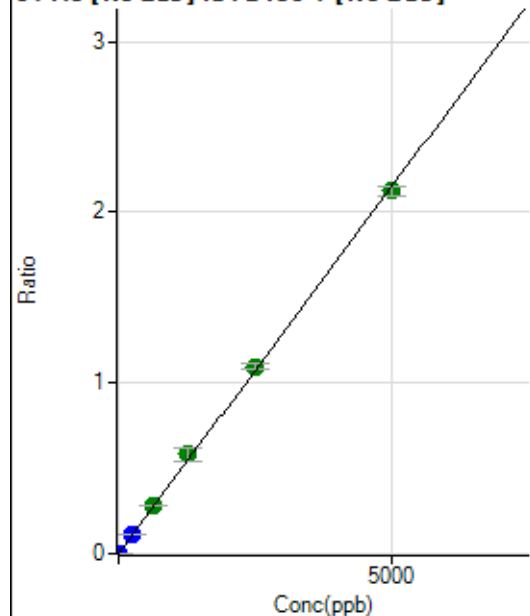
$$DL = 0.03541$$

$$BEC = 0.03726$$

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	166.67	0.0000	P	8.7
2	☐	0.500					
3	☐	5.000	4.580	12294.95	0.0020	P	2.2
4	☐	250.000	253.615	688747.16	0.1090	P	2.1
5	☐	625.000	658.014	1811821.63	0.2827	A	2.3
6	☐	1250.000	1354.548	3641837.45	0.5820	A	12.4
7	☐	2500.000	2548.030	7394104.16	1.0948	A	3.4
8	☐	5000.000	4945.541	14839230.54	2.1249	A	2.3
9	☐			6021.05	0.0009	P	1.8

$$y = 4.2966\text{E-}004 * x + 2.7718\text{E-}005$$

$$R = 0.9997$$

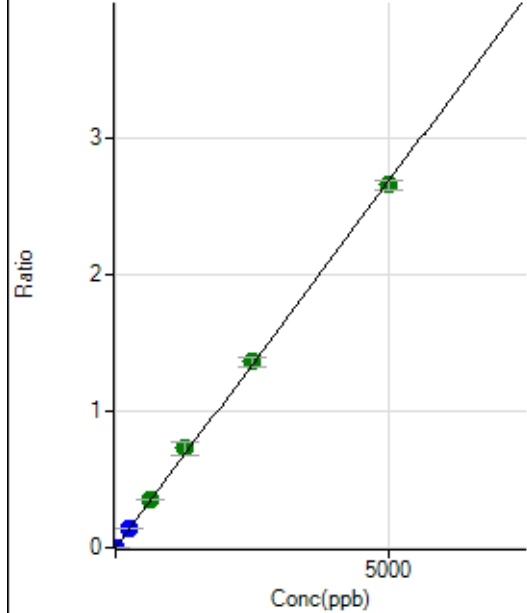
$$DL = 0.0168$$

$$BEC = 0.06451$$

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	27.78	0.0000	P	46.5
2	☐	0.500					
3	☐	5.000	4.793	15879.28	0.0026	P	1.3
4	☐	250.000	253.167	858673.99	0.1359	P	1.8
5	☐	625.000	656.442	2257588.37	0.3523	A	2.5
6	☐	1250.000	1355.631	4552160.13	0.7276	A	12.5
7	☐	2500.000	2533.373	9181039.18	1.3597	A	4.2
8	☐	5000.000	4952.818	18562913.44	2.6583	A	2.6
9	☐			8066.64	0.0012	P	2.8

$$y = 5.3672\text{E-}004 * x + 4.6287\text{E-}006$$

$$R = 0.9997$$

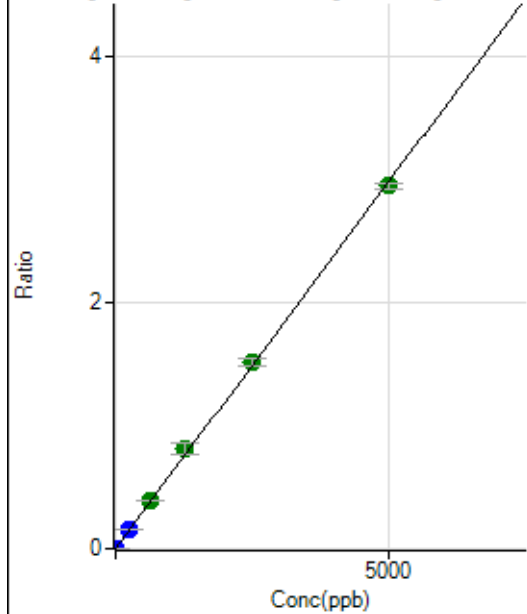
$$DL = 0.01203$$

$$BEC = 0.008624$$

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	80.56	0.0000	P	50.6
2	☐	0.500					
3	☐	5.000	4.670	17203.31	0.0028	P	2.8
4	☐	250.000	252.813	950880.75	0.1505	P	2.6
5	☐	625.000	656.922	2505948.95	0.3910	A	1.6
6	☐	1250.000	1355.669	5049635.31	0.8069	A	12.2
7	☐	2500.000	2542.298	10218051.70	1.5133	A	4.2
8	☐	5000.000	4948.303	20570068.17	2.9454	A	1.9
9	☐			10043.06	0.0015	P	1.4

$$y = 5.9523\text{E-}004 * x + 1.3344\text{E-}005$$

$$R = 0.9997$$

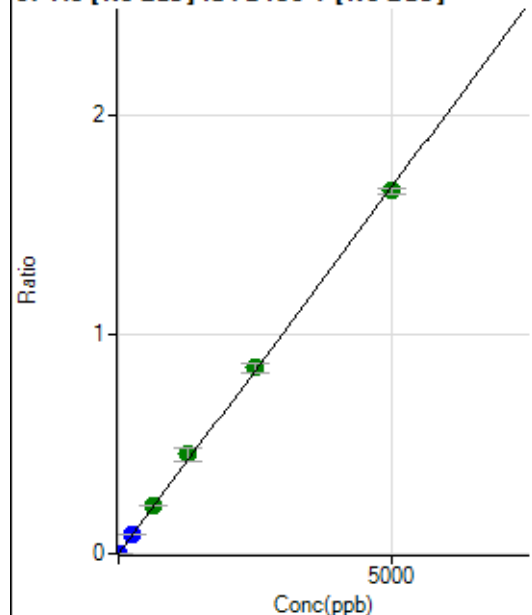
$$DL = 0.03406$$

$$BEC = 0.02242$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.23	0.0000	P	36.2
2	☐	0.500					
3	☐	5.000	4.665	9695.51	0.0016	P	1.7
4	☐	250.000	252.418	534063.63	0.0845	P	2.2
5	☐	625.000	655.102	1405691.76	0.2193	A	1.7
6	☐	1250.000	1358.411	2843985.54	0.4548	A	13.3
7	☐	2500.000	2536.579	5733746.70	0.8492	A	4.6
8	☐	5000.000	4950.725	11575564.58	1.6575	A	1.9
9	☐			5120.62	0.0008	P	2.8

$$y = 3.3479\text{E-}004 * x + 1.2053\text{E-}005$$

$$R = 0.9997$$

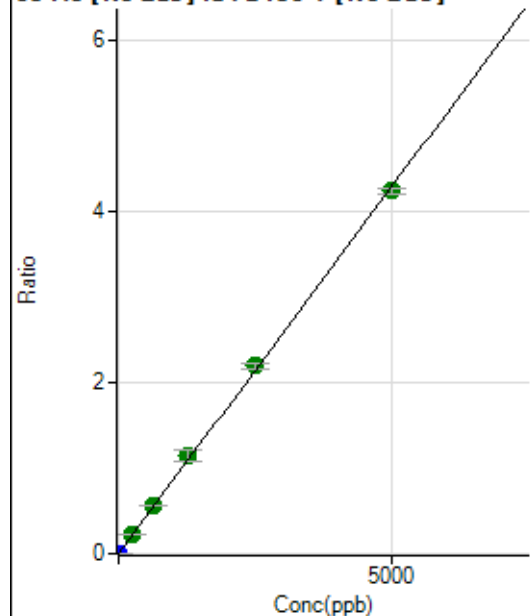
$$DL = 0.03909$$

$$BEC = 0.036$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	14.5
2	☐	0.500					
3	☐	5.000	4.813	25502.73	0.0041	P	3.0
4	☐	250.000	254.628	1380578.40	0.2185	A	2.6
5	☐	625.000	654.608	3599433.72	0.5617	A	2.1
6	☐	1250.000	1333.300	7156182.45	1.1441	A	12.9
7	☐	2500.000	2557.150	14817213.70	2.1942	A	3.9
8	☐	5000.000	4946.668	29644806.91	4.2446	A	1.7
9	☐			12294.97	0.0018	P	2.7

$$y = 8.5807\text{E-}004 * x + 9.7105\text{E-}006$$

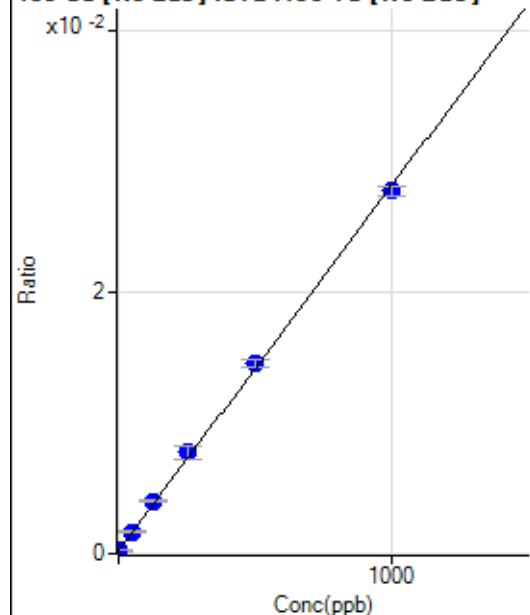
$$R = 0.9997$$

$$DL = 0.004939$$

$$BEC = 0.01132$$

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	1230.67	0.0002	P	9.0
2	☐	0.100					
3	☐	1.000	0.845	1389.03	0.0002	P	3.3
4	☐	50.000	52.076	9904.01	0.0017	P	2.9
5	☐	125.000	135.792	24384.05	0.0040	P	2.5
6	☐	250.000	270.181	47097.26	0.0078	P	13.9
7	☐	500.000	514.612	95837.20	0.0146	P	3.5
8	☐	1000.000	986.196	188963.22	0.0278	P	2.6
9	☐			1527.94	0.0002	P	9.3

$$y = 2.7931\text{E-}005 * x + 2.1742\text{E-}004$$

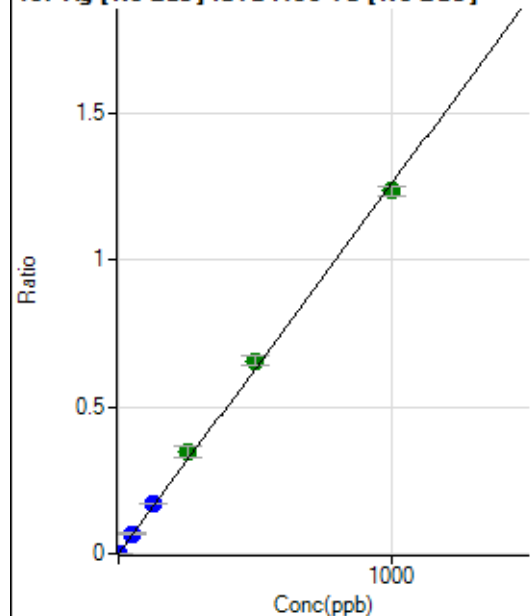
$$R = 0.9996$$

$$DL = 2.099$$

$$BEC = 7.784$$

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	138.90	0.0000	P	32.6
2	☐	0.100					
3	☐	1.000	1.148	8472.54	0.0015	P	3.6
4	☐	50.000	54.051	403079.27	0.0680	P	2.9
5	☐	125.000	136.085	1041305.67	0.1713	P	1.9
6	☐	250.000	276.386	2112365.63	0.3478	A	12.3
7	☐	500.000	520.679	4302336.30	0.6553	A	4.9
8	☐	1000.000	981.476	8406692.81	1.2352	A	2.5
9	☐			1147.33	0.0002	P	7.5

$$y = 0.0013 * x + 2.4502\text{E-}005$$

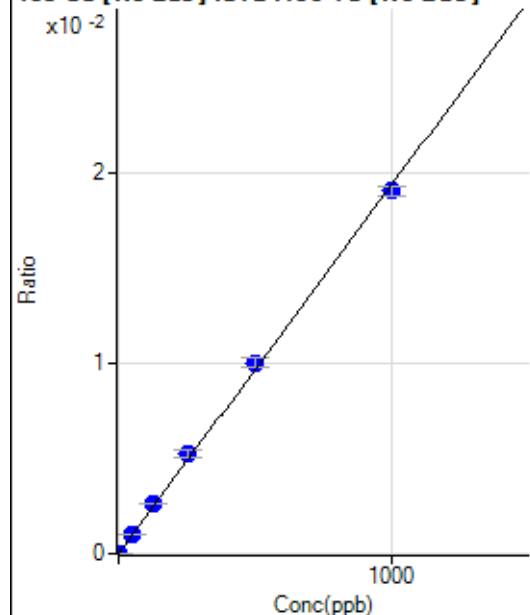
$$R = 0.9993$$

$$DL = 0.01904$$

$$BEC = 0.01947$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.94	0.0000	P	35.3
2	☐	0.100					
3	☐	1.000	1.355	158.34	0.0000	P	6.7
4	☐	50.000	53.606	6155.71	0.0010	P	3.0
5	☐	125.000	134.558	15848.46	0.0026	P	1.0
6	☐	250.000	271.573	32000.74	0.0053	P	9.3
7	☐	500.000	517.840	65828.04	0.0100	P	5.4
8	☐	1000.000	984.311	129712.53	0.0191	P	2.9
9	☐			25.00	0.0000	P	16.8

$$y = 1.9362E-005 * x + 1.2290E-006$$

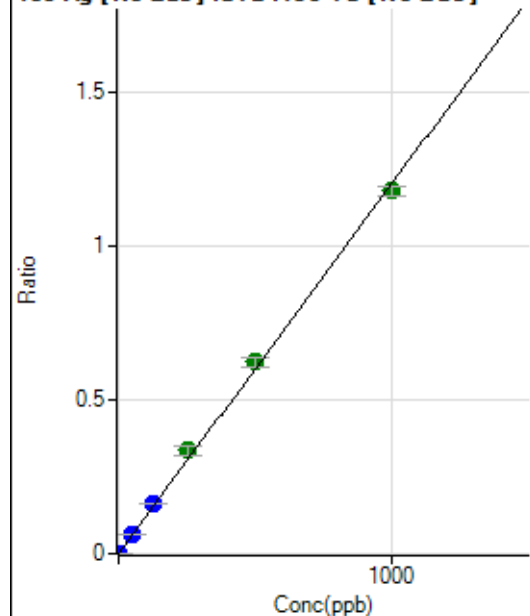
$$R = 0.9995$$

$$DL = 0.06729$$

$$BEC = 0.06348$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	116.67	0.0000	P	32.6
2	☐	0.100					
3	☐	1.000	1.157	8122.27	0.0014	P	7.0
4	☐	50.000	53.607	381251.56	0.0644	P	3.2
5	☐	125.000	135.698	990297.27	0.1629	P	2.3
6	☐	250.000	279.127	2036883.38	0.3350	A	10.6
7	☐	500.000	519.148	4090932.08	0.6231	A	5.2
8	☐	1000.000	981.627	8018962.77	1.1782	A	2.7
9	☐			1013.98	0.0002	P	7.8

$$y = 0.0012 * x + 2.0609E-005$$

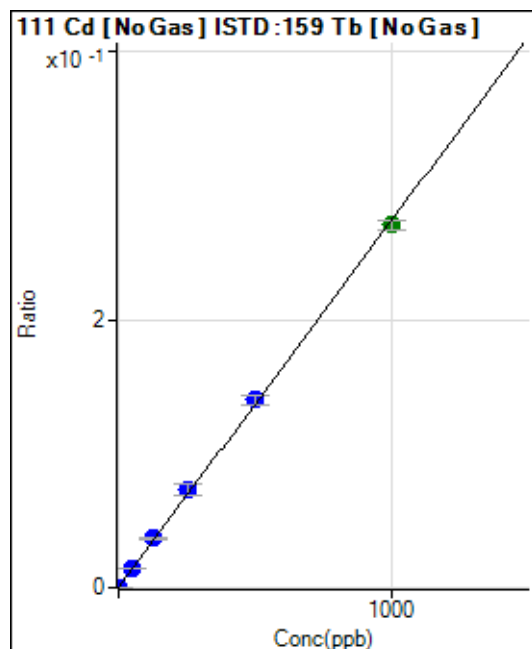
$$R = 0.9992$$

$$DL = 0.01681$$

$$BEC = 0.01717$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	863.55	0.0002	P	8.7
2	☐	0.100					
3	☐	1.000	0.954	2383.82	0.0004	P	4.4
4	☐	50.000	51.735	84775.62	0.0143	P	2.5
5	☐	125.000	133.094	222353.65	0.0366	P	1.4
6	☐	250.000	267.881	446361.45	0.0735	P	11.3
7	☐	500.000	512.315	921386.24	0.1403	P	5.2
8	☐	1000.000	988.274	1841685.96	0.2706	A	2.4
9	☐			1128.45	0.0002	P	9.6

$$y = 2.7365E-004 * x + 1.5255E-004$$

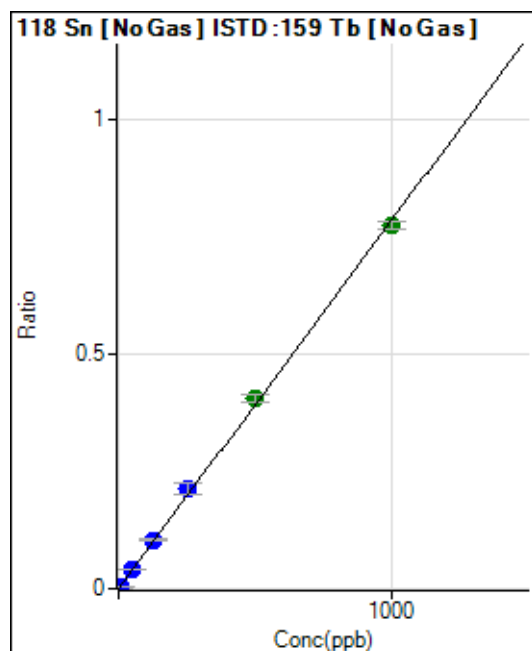
$$R = 0.9997$$

$$DL = 0.1459$$

$$BEC = 0.5575$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	336.13	0.0001	P	8.5
2	☐	0.500					
3	☐	5.000	5.188	23772.02	0.0041	P	2.1
4	☐	50.000	52.128	242306.50	0.0409	P	3.2
5	☐	125.000	133.074	634318.00	0.1043	P	1.5
6	☐	250.000	270.630	1289166.85	0.2121	P	11.0
7	☐	500.000	516.794	2660253.47	0.4050	A	3.5
8	☐	1000.000	985.329	5255679.46	0.7722	A	2.2
9	☐			3092.15	0.0005	P	5.9

$$y = 7.8359E-004 * x + 5.9383E-005$$

$$R = 0.9995$$

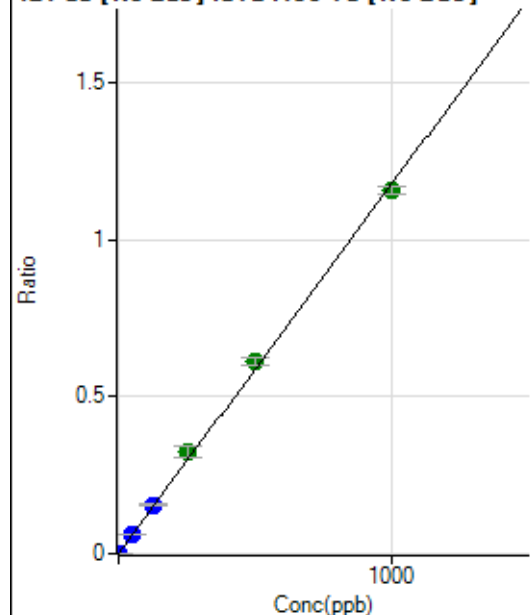
$$DL = 0.01929$$

$$BEC = 0.07578$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	80.56	0.0000	P	16.3
2	☐	0.200					
3	☐	2.000	1.910	13045.86	0.0023	P	2.9
4	☐	50.000	51.953	362500.31	0.0612	P	2.9
5	☐	125.000	132.022	945264.14	0.1555	P	1.8
6	☐	250.000	275.494	1972681.41	0.3244	A	10.3
7	☐	500.000	520.887	4027815.28	0.6134	A	4.6
8	☐	1000.000	982.208	7872742.80	1.1567	A	2.2
9	☐			9503.86	0.0014	P	2.1

$$y = 0.0012 * x + 1.4236E-005$$

$$R = 0.9993$$

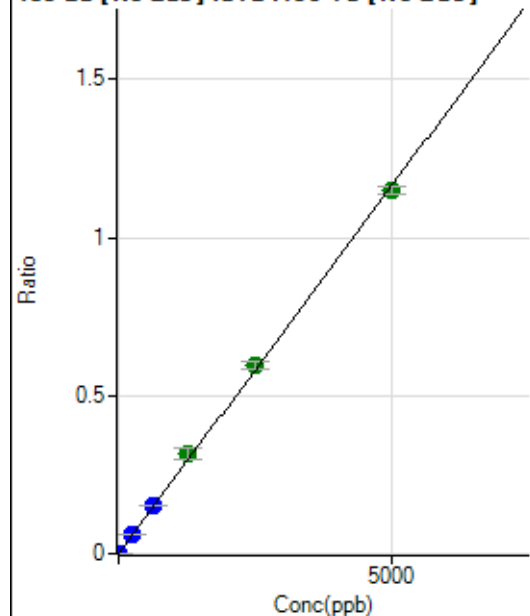
$$DL = 0.005926$$

$$BEC = 0.01209$$

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	16.67	0.0000	P	49.3
2	☐	1.000					
3	☐	10.000	9.855	13226.61	0.0023	P	1.4
4	☐	250.000	260.076	358352.93	0.0605	P	2.1
5	☐	625.000	661.348	935086.19	0.1538	P	1.5
6	☐	1250.000	1350.817	1908421.29	0.3141	A	11.7
7	☐	2500.000	2568.474	3922730.95	0.5973	A	4.2
8	☐	5000.000	4935.512	7812644.88	1.1478	A	2.1
9	☐			700.05	0.0001	P	14.7

$$y = 2.3256E-004 * x + 2.9396E-006$$

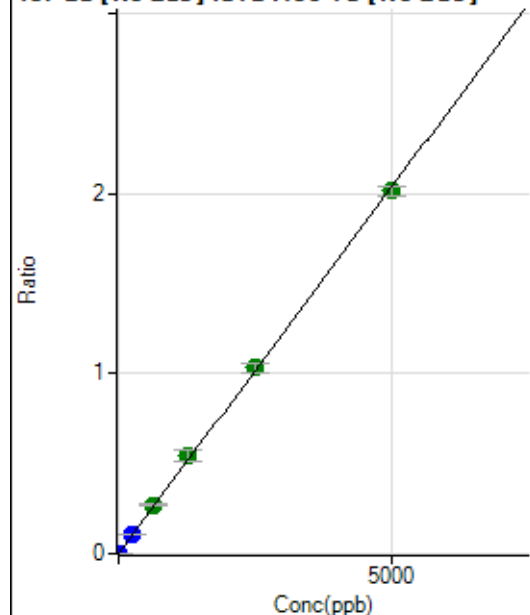
$$R = 0.9996$$

$$DL = 0.0187$$

$$BEC = 0.01264$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	41.67	0.0000	P	36.2
2	☐	1.000					
3	☐	10.000	9.986	23485.73	0.0041	P	0.2
4	☐	250.000	258.381	623355.46	0.1052	P	3.2
5	☐	625.000	667.035	1651453.76	0.2717	A	2.7
6	☐	1250.000	1349.757	3339116.26	0.5497	A	11.9
7	☐	2500.000	2535.398	6778224.02	1.0325	A	5.7
8	☐	5000.000	4951.689	13725107.60	2.0166	A	2.4
9	☐			1361.24	0.0002	P	7.7

$$y = 4.0725E-004 * x + 7.3815E-006$$

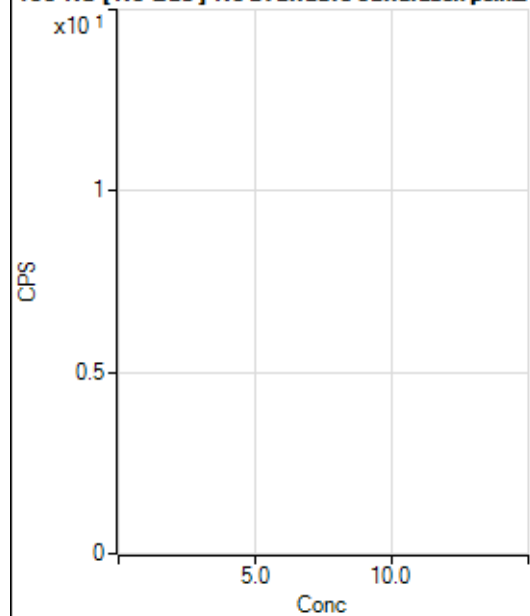
$$R = 0.9997$$

$$DL = 0.01968$$

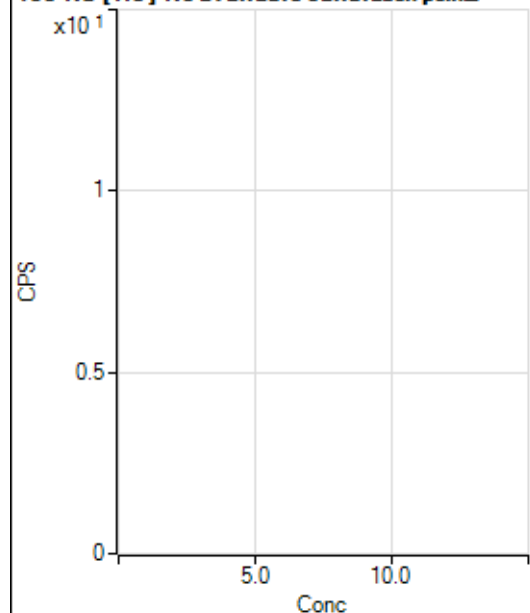
$$BEC = 0.01813$$

Weight: <None>

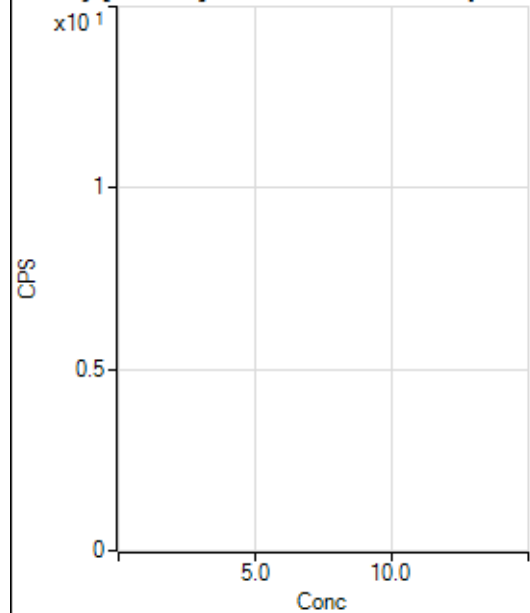
Min Conc: 0

150 Nd [No Gas] No available calibration points

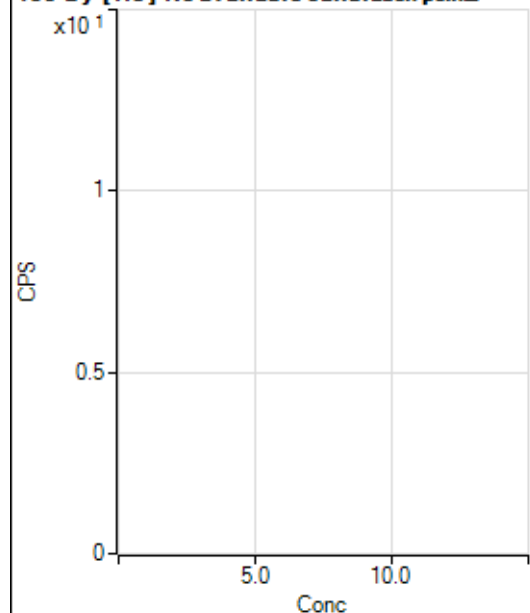
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			11.11		P	69.3
2	☐						
3	☐			15.56		P	89.2
4	☐			28.89		P	74.2
5	☐			42.22		P	50.8
6	☐			93.34		P	28.6
7	☐			168.90		P	26.9
8	☐			275.57		P	8.5
9	☐			106.67		P	12.5

150 Nd [He] No available calibration points

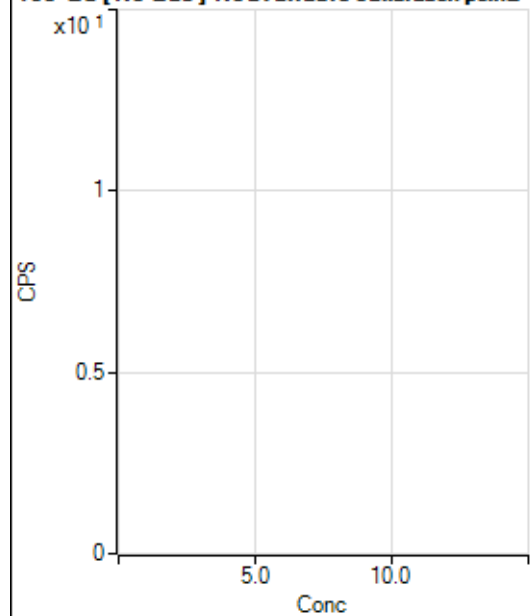
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			0.00		P	
5	☐			2.22		P	86.6
6	☐			2.22		P	173.
7	☐			12.22		P	31.5
8	☐			8.89		P	78.1
9	☐			25.56		P	19.9

156 Dy [No Gas] No available calibration points

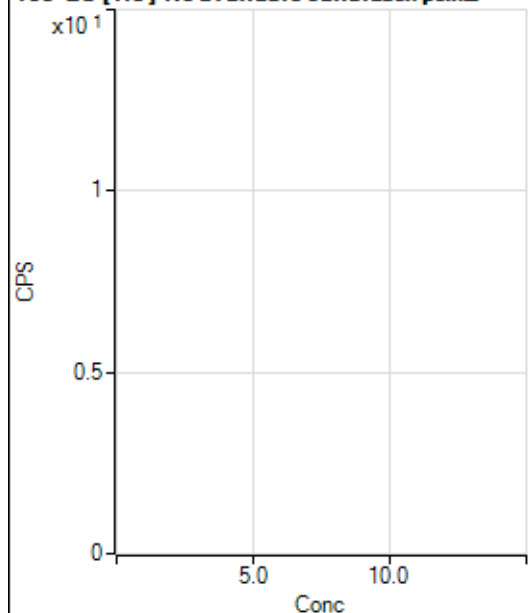
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	33.3
2	☐						
3	☐			30.56		P	56.8
4	☐			30.56		P	56.8
5	☐			22.22		P	78.1
6	☐			30.56		P	31.5
7	☐			75.00		P	29.4
8	☐			91.67		P	39.6
9	☐			44.44		P	43.3

156 Dy [He] No available calibration points

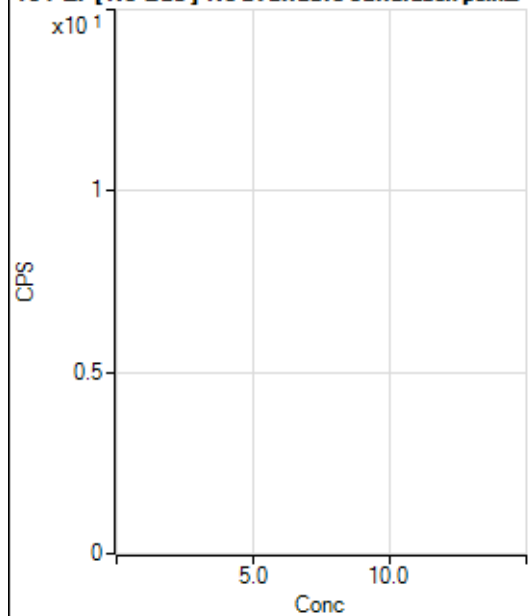
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	43.4
2	☐						
3	☐			2.22		P	86.6
4	☐			1.11		P	173.
5	☐			3.33		P	100.
6	☐			6.67		P	50.0
7	☐			8.89		P	43.3
8	☐			7.78		P	49.5
9	☐			13.33		P	109.

160 Gd [No Gas] Noavailable calibration poin_

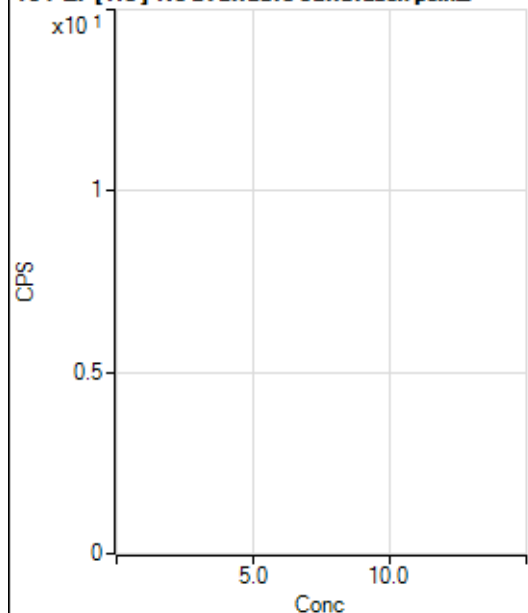
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	31.2
2	☐						
3	☐			47.22		P	36.7
4	☐			61.11		P	83.3
5	☐			36.11		P	81.1
6	☐			55.56		P	37.8
7	☐			83.34		P	55.7
8	☐			83.34		P	26.5
9	☐			100.00		P	22.0

160 Gd [He] No available calibration points

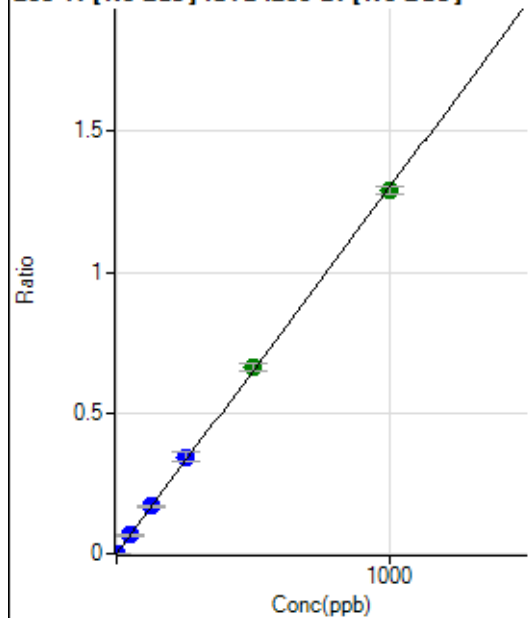
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐						
3	☐			7.78		P	49.5
4	☐			7.78		P	65.5
5	☐			12.22		P	63.0
6	☐			13.33		P	25.0
7	☐			13.33		P	50.0
8	☐			13.33		P	25.0
9	☐			31.11		P	27.0

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	57.3
2	☐						
3	☐			22.22		P	57.3
4	☐			30.56		P	41.7
5	☐			41.67		P	20.0
6	☐			13.89		P	91.6
7	☐			50.00		P	60.1
8	☐			30.56		P	41.7
9	☐			52.78		P	24.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	94.4
2	☐						
3	☐			3.33		P	100.
4	☐			3.33		P	100.
5	☐			7.78		P	49.5
6	☐			10.00		P	33.3
7	☐			13.33		P	66.1
8	☐			10.00		P	100.
9	☐			6.67		P	50.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	333.36	0.0001	P	28.5
2	☐	0.100					
3	☐	1.000	0.917	4031.39	0.0013	P	6.7
4	☐	50.000	50.603	209258.53	0.0659	P	3.6
5	☐	125.000	129.629	556959.40	0.1687	P	1.8
6	☐	250.000	264.842	1132926.14	0.3445	P	9.3
7	☐	500.000	509.796	2390000.05	0.6630	A	4.5
8	☐	1000.000	990.783	4784914.39	1.2885	A	2.3
9	☐			555.60	0.0002	P	16.0

$$y = 0.0013 * x + 1.0776E-004$$

$$R = 0.9998$$

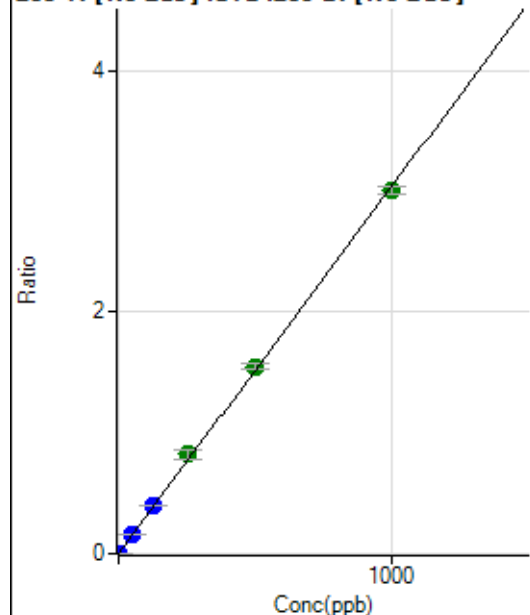
$$DL = 0.07089$$

$$BEC = 0.08287$$

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	755.61	0.0002	P	15.8
2	☐	0.100					
3	☐	1.000	0.909	9334.44	0.0030	P	1.3
4	☐	50.000	51.008	493187.32	0.1553	P	2.9
5	☐	125.000	130.635	1312243.66	0.3974	P	1.9
6	☐	250.000	270.967	2710860.04	0.8241	A	8.7
7	☐	500.000	510.834	5601260.89	1.5533	A	3.2
8	☐	1000.000	988.586	11162411.62	3.0059	A	2.2
9	☐			1380.70	0.0004	P	12.3

$$y = 0.0030 * x + 2.4476E-004$$

$$R = 0.9997$$

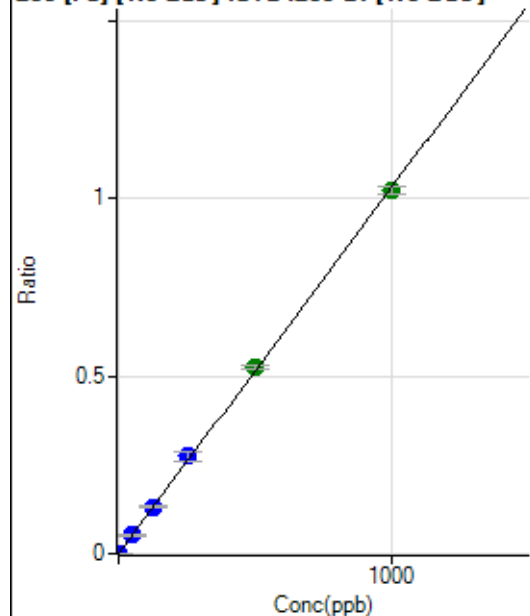
$$DL = 0.03806$$

$$BEC = 0.08051$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	220.38	0.0001	P	19.2
2	☐	0.100					
3	☐	1.000	0.943	3230.15	0.0010	P	7.8
4	☐	50.000	50.397	164946.93	0.0520	P	3.2
5	☐	125.000	128.636	437445.96	0.1325	P	2.2
6	☐	250.000	265.346	898344.44	0.2732	P	9.6
7	☐	500.000	508.995	1889890.48	0.5241	A	2.8
8	☐	1000.000	991.191	3789583.01	1.0205	A	2.2
9	☐			6064.60	0.0018	P	2.0

$$y = 0.0010 * x + 7.1196E-005$$

$$R = 0.9998$$

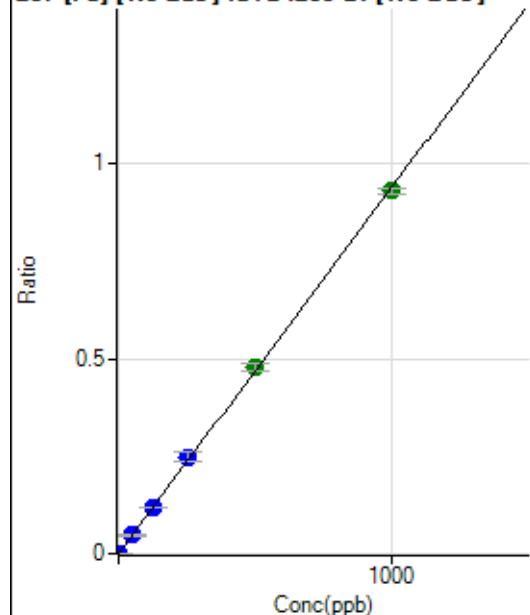
$$DL = 0.03979$$

$$BEC = 0.06916$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	185.19	0.0001	P	15.1
2	☐	0.100					
3	☐	1.000	0.881	2746.68	0.0009	P	10.3
4	☐	50.000	50.020	149137.00	0.0470	P	2.5
5	☐	125.000	125.996	390313.87	0.1182	P	1.8
6	☐	250.000	263.668	813331.10	0.2473	P	9.3
7	☐	500.000	509.886	1724087.43	0.4782	A	4.0
8	☐	1000.000	991.515	3453573.37	0.9299	A	1.6
9	☐			5116.01	0.0015	P	4.9

$$y = 9.3778\text{E-}004 * x + 5.9951\text{E-}005$$

$$R = 0.9998$$

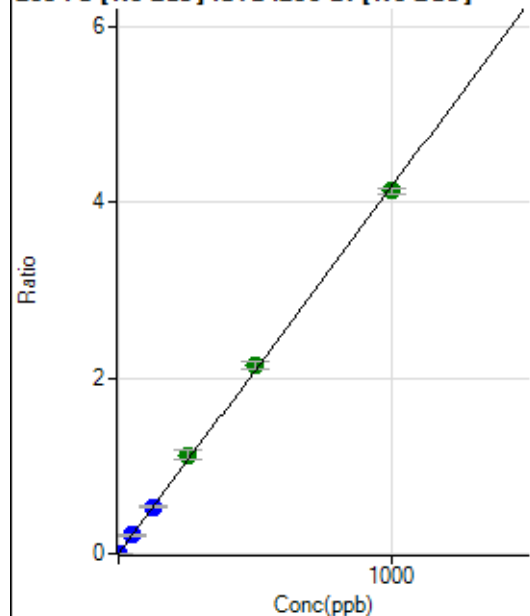
$$DL = 0.02904$$

$$BEC = 0.06393$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	866.71	0.0003	P	6.4
2	☐	0.100					
3	☐	1.000	0.927	12877.07	0.0042	P	5.1
4	☐	50.000	50.380	669263.63	0.2108	P	2.6
5	☐	125.000	128.324	1771097.73	0.5364	P	2.2
6	☐	250.000	269.544	3703613.39	1.1265	A	9.7
7	☐	500.000	511.879	7710987.09	2.1390	A	4.1
8	☐	1000.000	988.740	15342937.70	4.1314	A	1.9
9	☐			23918.87	0.0069	P	0.6

$$y = 0.0042 * x + 2.8045\text{E-}004$$

$$R = 0.9997$$

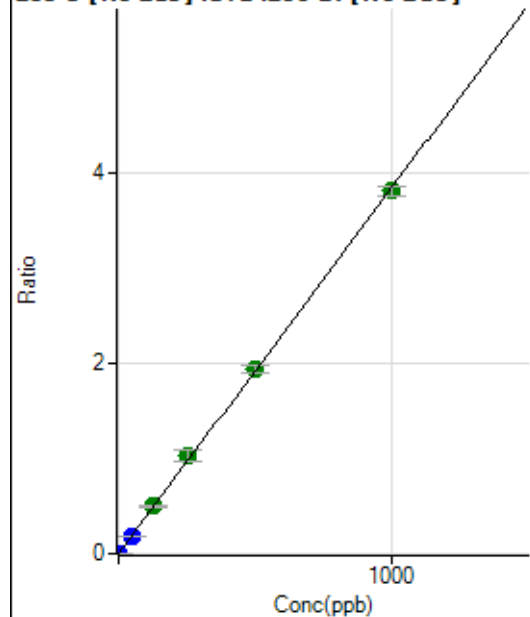
$$DL = 0.01287$$

$$BEC = 0.06712$$

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	44.44	0.0000	P	20.8
2	☐	0.100					
3	☐	1.000	0.896	10705.10	0.0035	P	0.5
4	☐	50.000	49.280	600540.87	0.1891	P	2.2
5	☐	125.000	128.883	1632953.10	0.4946	A	1.8
6	☐	250.000	268.787	3387221.54	1.0314	A	11.6
7	☐	500.000	505.219	6988103.63	1.9386	A	4.3
8	☐	1000.000	992.244	14138637.30	3.8075	A	2.4
9	☐			305.58	0.0001	P	11.0

$$y = 0.0038 * x + 1.4361E-005$$

$$R = 0.9998$$

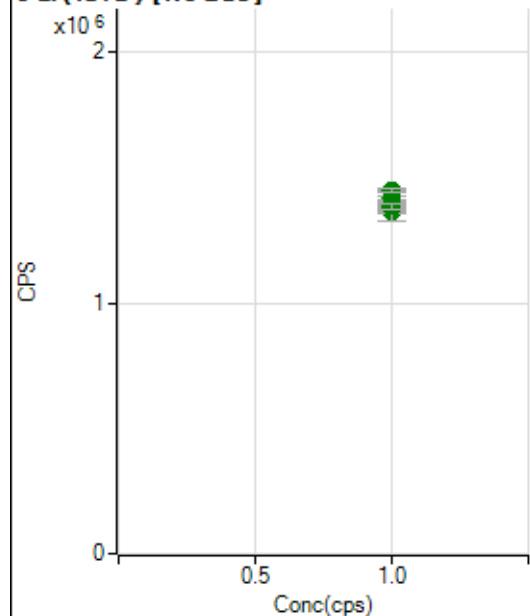
$$DL = 0.002336$$

$$BEC = 0.003743$$

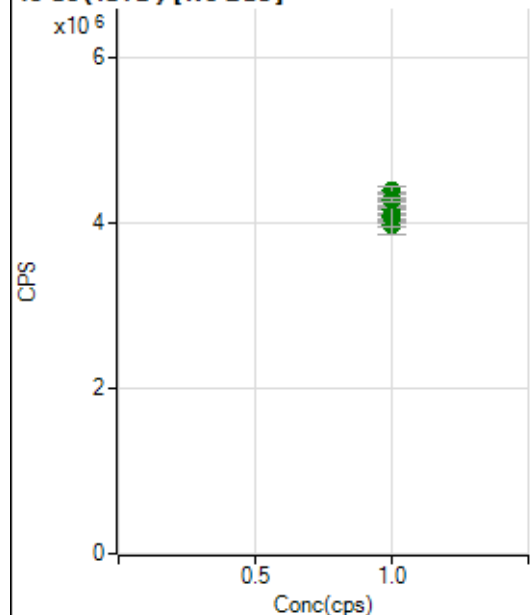
Weight: <None>

Min Conc: 0

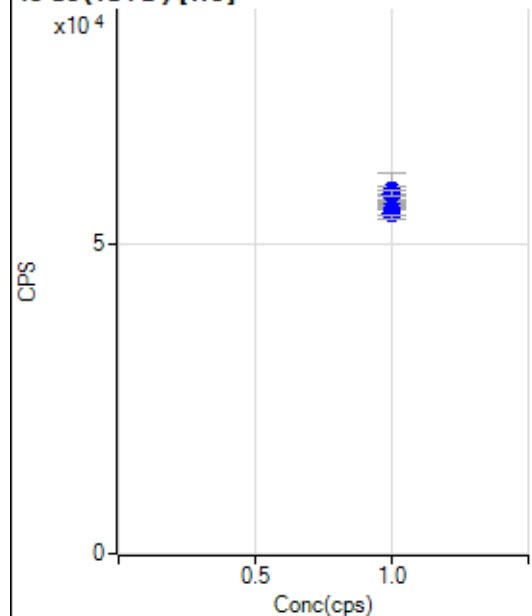
6 Li (ISTD) [No Gas]



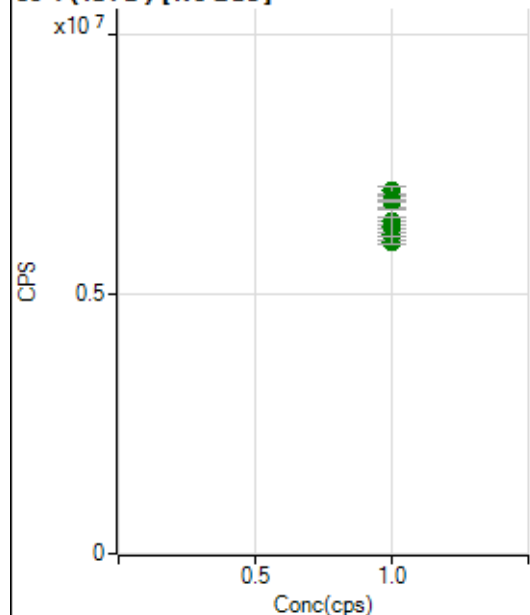
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1361701.76		A	1.0
2	☐	1.000					
3	☐	1.000		1388234.31		A	0.8
4	☐	1.000		1402192.72		A	1.5
5	☐	1.000		1400568.85		A	0.7
6	☐	1.000		1379663.60		A	7.2
7	☐	1.000		1422241.39		A	4.1
8	☐	1.000		1447341.49		A	1.0
9	☐	1.000		1387266.96		A	1.6

45 Sc (ISTD) [No Gas]

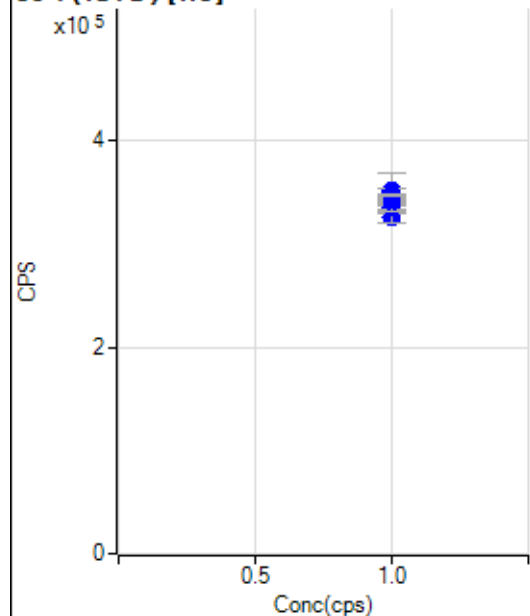
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3969025.78		A	1.4
2	☐	1.000					
3	☐	1.000		4053773.14		A	1.1
4	☐	1.000		4085104.35		A	3.3
5	☐	1.000		4156394.97		A	2.5
6	☐	1.000		4067438.24		A	10.1
7	☐	1.000		4274665.81		A	4.5
8	☐	1.000		4379243.76		A	2.0
9	☐	1.000		4266104.26		A	1.2

45 Sc (ISTD) [He]

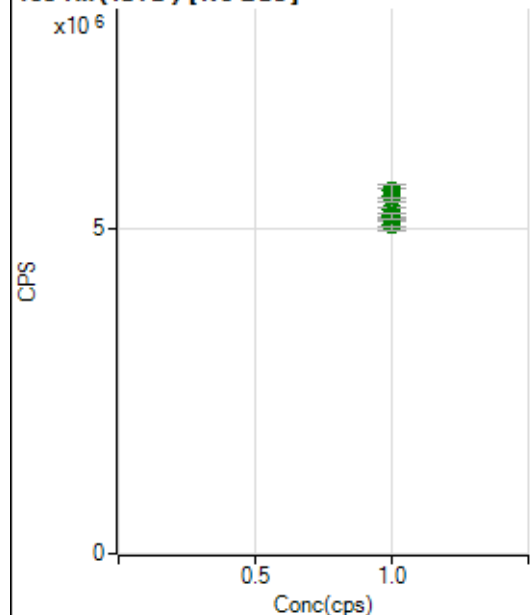
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		54797.37		P	2.5
2	☐	1.000					
3	☐	1.000		56118.30		P	1.1
4	☐	1.000		56709.71		P	1.1
5	☐	1.000		57985.86		P	12.0
6	☐	1.000		56311.25		P	0.8
7	☐	1.000		57086.56		P	0.5
8	☐	1.000		58535.82		P	2.0
9	☐	1.000		58105.12		P	1.3

89 Y (ISTD) [No Gas]

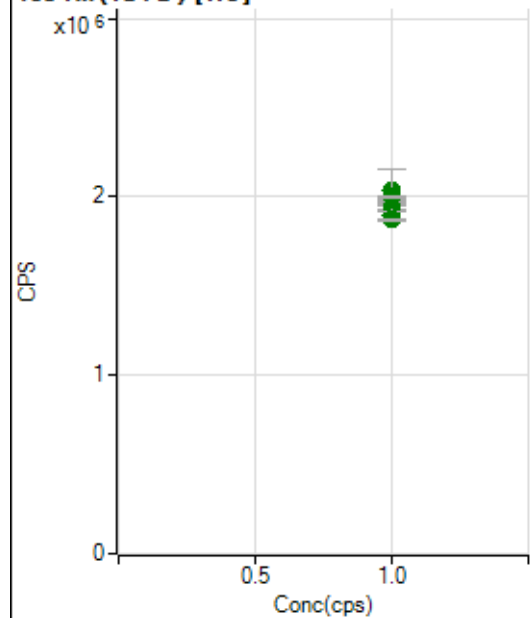
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6008804.70		A	1.5
2	☐	1.000					
3	☐	1.000		6161065.32		A	1.3
4	☐	1.000		6320826.30		A	2.3
5	☐	1.000		6410036.85		A	2.3
6	☐	1.000		6312294.21		A	10.7
7	☐	1.000		6759639.90		A	3.9
8	☐	1.000		6985871.98		A	2.3
9	☐	1.000		6794604.62		A	1.1

89 Y (ISTD) [He]

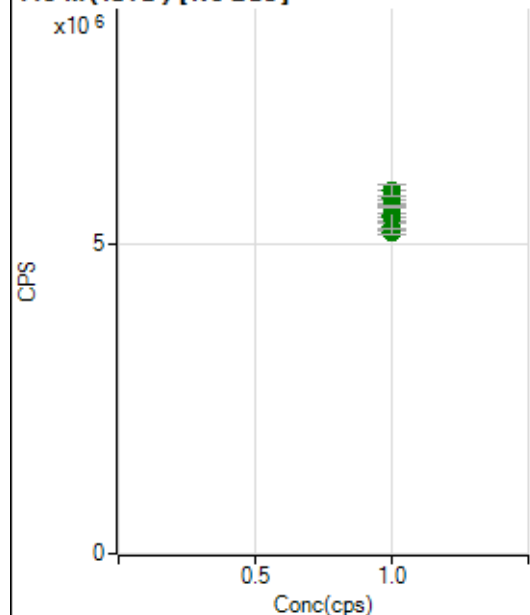
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		325539.40		P	2.7
2	☐	1.000					
3	☐	1.000		334716.41		P	1.0
4	☐	1.000		340225.73		P	0.5
5	☐	1.000		350489.75		P	10.9
6	☐	1.000		343608.84		P	0.6
7	☐	1.000		344698.39		P	0.4
8	☐	1.000		351401.95		P	1.9
9	☐	1.000		347701.43		P	0.7

103 Rh (ISTD) [No Gas]

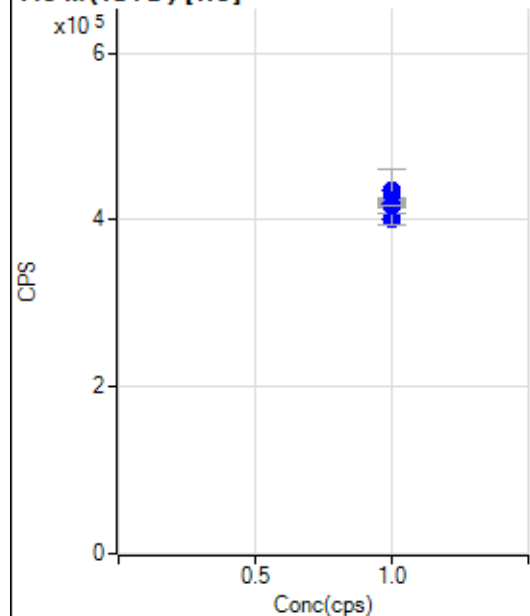
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5067643.21		A	1.9
2	☐	1.000					
3	☐	1.000		5167838.57		A	0.5
4	☐	1.000		5236755.98		A	3.2
5	☐	1.000		5285116.39		A	1.9
6	☐	1.000		5193406.62		A	8.9
7	☐	1.000		5519506.42		A	4.2
8	☐	1.000		5584756.81		A	3.6
9	☐	1.000		5195344.73		A	1.3

103 Rh (ISTD) [He]

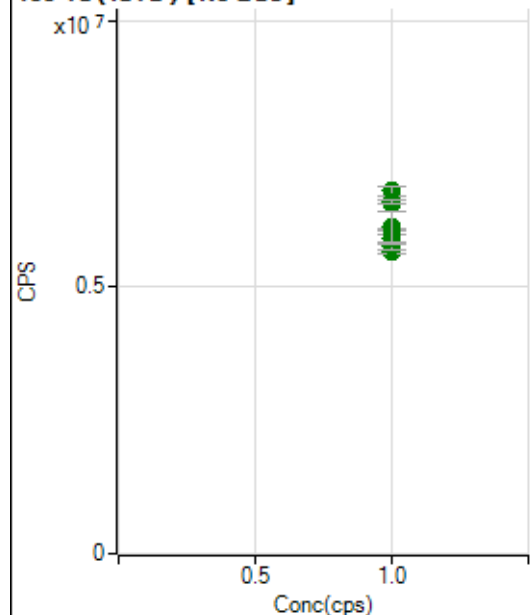
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1900392.85		A	2.9
2	☐	1.000					
3	☐	1.000		1955240.94		A	0.2
4	☐	1.000		1972891.84		A	0.2
5	☐	1.000		2033656.26		A	11.6
6	☐	1.000		1991189.05		A	1.3
7	☐	1.000		1980115.70		A	0.6
8	☐	1.000		1999957.85		A	1.0
9	☐	1.000		1872647.12		A	0.6

115 In (ISTD) [No Gas]

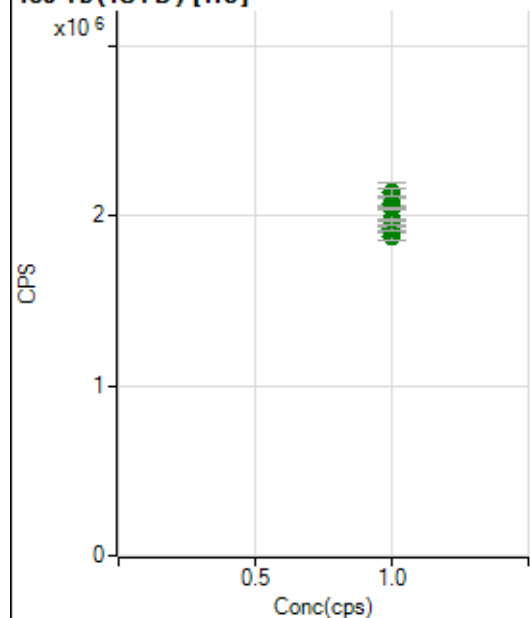
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5164718.60		A	1.3
2	☐	1.000					
3	☐	1.000		5276846.05		A	1.5
4	☐	1.000		5418656.50		A	2.7
5	☐	1.000		5448478.24		A	1.4
6	☐	1.000		5413250.26		A	10.7
7	☐	1.000		5731585.74		A	3.8
8	☐	1.000		5841368.61		A	3.2
9	☐	1.000		5601258.47		A	0.6

115 In (ISTD) [He]

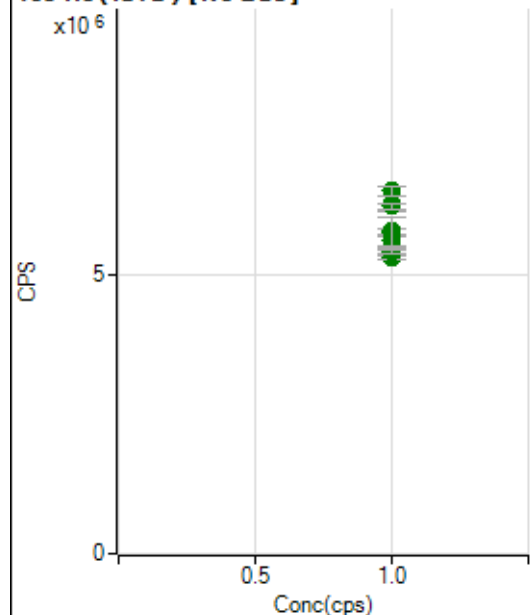
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		401204.75		P	3.2
2	☐	1.000					
3	☐	1.000		418208.31		P	0.7
4	☐	1.000		421509.69		P	0.5
5	☐	1.000		434953.96		P	12.1
6	☐	1.000		424985.78		P	0.6
7	☐	1.000		423306.08		P	0.3
8	☐	1.000		420068.98		P	2.1
9	☐	1.000		417723.58		P	0.3

159 Tb (ISTD) [No Gas]

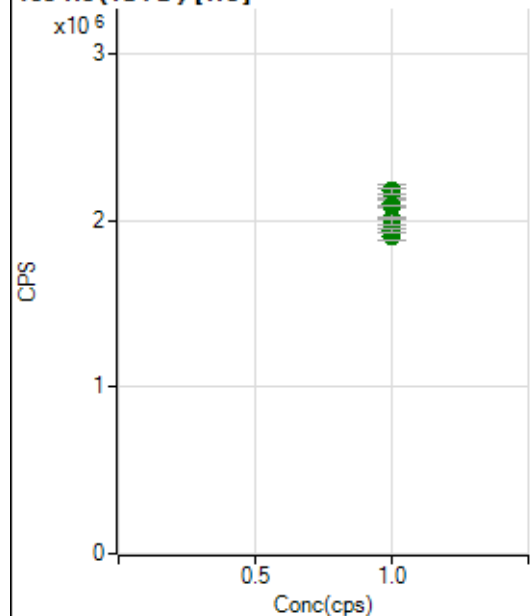
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5663404.43		A	1.4
2	☐	1.000					
3	☐	1.000		5764575.74		A	1.8
4	☐	1.000		5926602.90		A	2.5
5	☐	1.000		6080162.90		A	0.9
6	☐	1.000		6121152.27		A	9.7
7	☐	1.000		6575019.35		A	4.4
8	☐	1.000		6808903.86		A	2.5
9	☐	1.000		6606244.07		A	0.7

159 Tb (ISTD) [He]

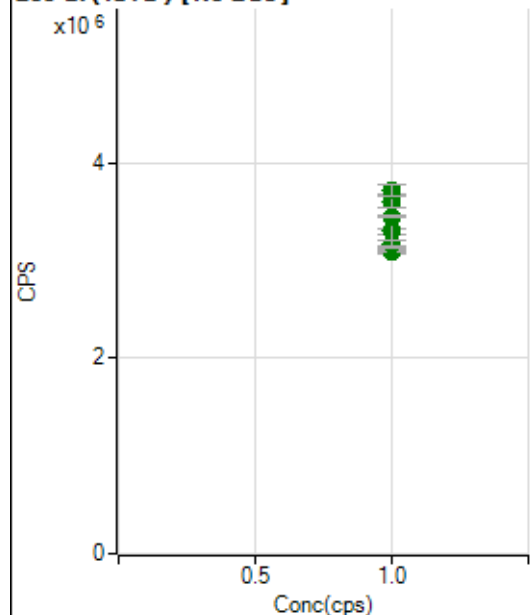
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1878386.17		A	2.2
2	☐	1.000					
3	☐	1.000		1924005.18		A	1.1
4	☐	1.000		1976492.54		A	0.3
5	☐	1.000		2074361.39		A	12.1
6	☐	1.000		2055830.56		A	0.8
7	☐	1.000		2106402.90		A	0.4
8	☐	1.000		2134837.00		A	2.2
9	☐	1.000		2044542.63		A	0.6

165 Ho (ISTD) [No Gas]

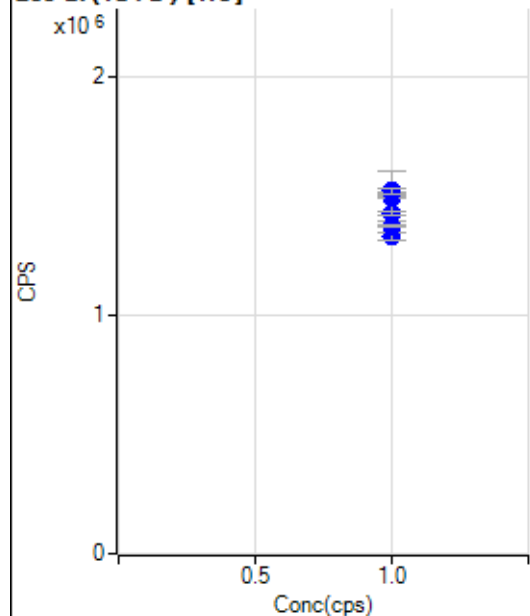
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5323796.21		A	1.6
2	☐	1.000					
3	☐	1.000		5434276.90		A	1.2
4	☐	1.000		5621438.93		A	3.1
5	☐	1.000		5790902.73		A	1.7
6	☐	1.000		5765572.48		A	9.7
7	☐	1.000		6287186.25		A	4.6
8	☐	1.000		6514404.70		A	2.5
9	☐	1.000		6239023.75		A	1.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1904422.16		A	2.1
2	☐	1.000					
3	☐	1.000		1944051.76		A	1.3
4	☐	1.000		2013064.17		A	0.3
5	☐	1.000		2098337.35		A	11.8
6	☐	1.000		2088582.38		A	0.5
7	☐	1.000		2134542.69		A	0.6
8	☐	1.000		2179583.18		A	1.7
9	☐	1.000		2090528.83		A	0.3

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3090399.05		A	1.3
2	☐	1.000					
3	☐	1.000		3102050.20		A	0.8
4	☐	1.000		3176555.16		A	2.4
5	☐	1.000		3302274.25		A	1.5
6	☐	1.000		3306641.13		A	8.9
7	☐	1.000		3608754.01		A	4.0
8	☐	1.000		3715179.08		A	3.0
9	☐	1.000		3447703.42		A	0.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1330502.16		P	2.6
2	☐	1.000					
3	☐	1.000		1379347.74		P	1.7
4	☐	1.000		1425109.82		P	0.8
5	☐	1.000		1507188.62		M	12.2
6	☐	1.000		1492334.07		P	0.3
7	☐	1.000		1511840.39		P	0.4
8	☐	1.000		1519599.40		P	1.7
9	☐	1.000		1371546.79		P	0.8

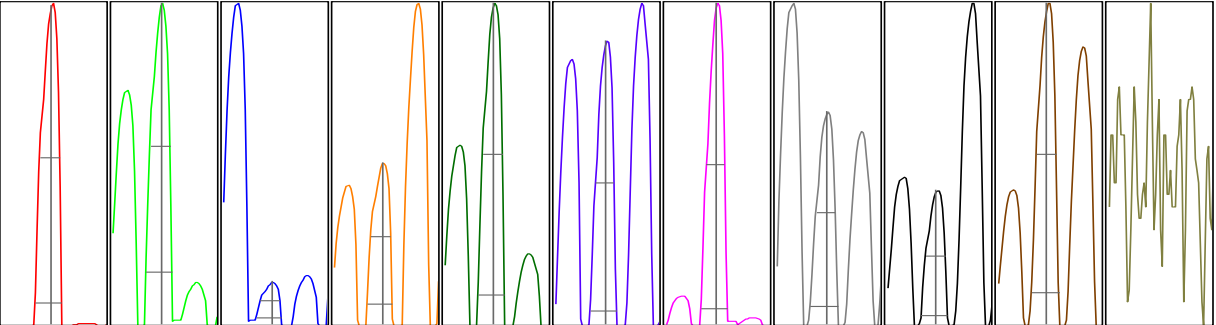
US EPA Tune Check Sample Report

Batch Folder D:\P8031519 MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	7385	1.15	5.00	
24	65701	1.47	5.00	
25	8753	1.26	5.00	
26	10579	1.45	5.00	
59	54206	1.09	5.00	
113	6514	1.92	5.00	
115	78893	1.32	5.00	
206	14105	1.61	5.00	
207	12942	1.41	5.00	
208	30277	1.67	5.00	
220	2	22.25		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	7353	7466	7442	7412	7253
24	65439	66039	66217	66648	64163
25	8793	8789	8802	8822	8557
26	10704	10635	10623	10621	10312
59	54656	53976	54478	54649	53271
113	6622	6452	6593	6581	6324
115	79019	78543	78419	80609	77875
206	13936	14001	14207	14456	13924
207	12883	12844	12965	13244	12774
208	29978	30114	30589	30984	29722
220	2	1	2	2	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	13513	8.95	8.9 - 9.1		0.759	0.900	
24	118388	23.95	23.9 - 24.1		0.740	0.900	
25	15930	24.95	24.9 - 25.1		0.719	0.900	
26	18495	25.95	25.9 - 26.1		0.708	0.900	
59	98933	58.95	58.9 - 59.1		0.752	0.900	
113	12591	113.00	112.9 - 113.1		0.760	0.900	
115	153407	115.00	114.9 - 115.1		0.760	0.900	
206	25569	206.00	205.9 - 206.1		0.794	0.900	
207	23235	206.95	206.9 - 207.1		0.743	0.900	
208	55262	207.95	207.9 - 208.1		0.780	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	8.4	V	Deflect	15.2	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-120	V	Cell Exit	-50	V			

Cell Parameters

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

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	9509	0.52	
89	4490	0.73	
205	10316	0.32	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	9569	9433	9506	9531	9506
89	4547	4476	4464	4477	4486
205	10304	10346	10317	10268	10346

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	8.4	V	Deflect	3.0	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-120	V	Cell Exit	-60	V			

Cell Parameters

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

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:51:00	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.84	-1.23	0.40	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.02	-0.02	0.00	0.00	N/A	ppb
Barium	135-1	-0.01	0.01	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.01	0.00	N/A	ppb
Beryllium	9-1	-0.01	0.01	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	11-1	0.08	-0.08	0.00	0.00	N/A	ppb
Boron	10-1	-0.16	-0.02	0.18	0.00	N/A	ppb
Cadmium	106-1	0.45	-0.81	0.35	0.00	N/A	ppb
Cadmium	108-1	0.01	-0.03	0.01	0.00	N/A	ppb
Cadmium	111-1	0.04	-0.06	0.02	0.00	N/A	ppb
Calcium	43-1	-0.51	-1.78	2.29	0.00	N/A	ppb
Calcium	44-1	0.76	-0.02	-0.73	0.00	N/A	ppb
Chromium	52-2	0.01	0.04	-0.05	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.01	0.01	-0.02	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.15	-0.11	-0.04	0.00	N/A	ppb
Iron	57-2	-0.03	-1.05	1.08	0.00	N/A	ppb
Krypton	83-1						cps
Lead	207-1	0.01	-0.01	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	206-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	1.28	-0.25	-1.02	0.00	N/A	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:51:00	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.03	0.01	0.02	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	-0.01	0.01	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	0.00	-0.02	0.00	N/A	ppb
Phosphorus	31-2	-16.57	-26.53	-26.74	-23.28		ppb
Potassium	39-2	12.24	-11.61	-0.63	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	0.32	-0.14	-0.17	0.00	N/A	ppb
Selenium	82-1	-0.18	-0.60	0.78	0.00	N/A	ppb
Silicon	28-1	-0.17	-1.02	1.19	0.00	N/A	ppb
Silver	109-1	0.01	-0.01	0.00	0.00	N/A	ppb
Silver	107-1	0.01	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	2.55	-0.51	-2.05	0.00	N/A	ppb
Strontium	86-1	0.01	-0.06	0.06	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	221.16	-182.82	662.46	233.60	180.98	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.02	0.00	-0.02	0.00	N/A	ppb
Thallium	205-1	-0.01	-0.01	0.01	0.00	N/A	ppb
Tin	118-1	-0.01	0.00	0.01	0.00	N/A	ppb
Titanium	47-1	0.04	-0.04	0.00	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.06	-0.01	0.07	0.00	N/A	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:51:00	DataFile Name :	003CALB.d

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

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:58:43	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.84	20.85	19.47	20.72	5.75	ppb
Antimony	121-1	1.89	1.97	1.87	1.91	2.93	ppb
Arsenic	75-2	1.10	0.86	0.88	0.95	14.11	ppb
Barium	135-1	9.97	9.89	9.71	9.85	1.36	ppb
Barium	137-1	9.96	9.99	10.01	9.99	0.23	ppb
Beryllium	9-1	0.90	0.90	0.91	0.90	0.94	ppb
Bismuth	209-1				100		%
Bismuth	209-2				104		%
Boron	11-1	21.55	23.29	23.26	22.70	4.40	ppb
Boron	10-1	21.90	22.72	22.64	22.42	2.02	ppb
Cadmium	106-1	1.11	0.89	0.54	0.85	34.16	ppb
Cadmium	108-1	1.25	1.38	1.44	1.35	7.06	ppb
Cadmium	111-1	1.01	0.97	0.88	0.95	6.90	ppb
Calcium	43-1	464.81	436.02	459.30	453.38	3.37	ppb
Calcium	44-1	467.98	451.83	453.38	457.73	1.95	ppb
Chromium	52-2	2.02	1.78	1.91	1.91	6.22	ppb
Cobalt	59-2	0.93	0.98	0.98	0.96	2.57	ppb
Copper	63-2	2.00	1.93	1.96	1.97	1.83	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				102		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	56-2	52.06	49.12	51.52	50.90	3.07	ppb
Iron	57-2	46.92	50.86	46.33	48.04	5.12	ppb
Krypton	83-1						cps
Lead	207-1	0.93	0.95	0.77	0.88	11.04	ppb
Lead	208-1	0.94	0.97	0.87	0.93	5.44	ppb
Lead	206-1	0.98	1.00	0.85	0.94	8.41	ppb
Lithium	6-1				102		%
Magnesium	24-2	494.09	504.66	500.14	499.63	1.06	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:58:43	DataFile Name :	005CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.09	0.84	0.98	0.97	12.86	ppb
Molybdenum	94-1	4.67	4.61	4.46	4.58	2.27	ppb
Molybdenum	95-1	4.86	4.78	4.73	4.79	1.34	ppb
Molybdenum	96-1	4.54	4.81	4.66	4.67	2.86	ppb
Molybdenum	97-1	4.74	4.68	4.58	4.66	1.73	ppb
Molybdenum	98-1	4.97	4.77	4.69	4.81	2.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	1.01	0.99	0.99	3.41	ppb
Phosphorus	31-2	18.12	25.47	26.25	23.28	19.27	ppb
Potassium	39-2	469.75	470.18	494.58	478.17	2.97	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	77-2	0.00	10.42	7.88	6.10	89.08	ppb
Selenium	78-2	4.48	5.62	5.25	5.12	11.31	ppb
Selenium	82-1	4.83	4.65	5.13	4.87	5.01	ppb
Silicon	28-1	10.38	7.88	9.29	9.18	13.67	ppb
Silver	109-1	1.09	1.25	1.13	1.16	7.08	ppb
Silver	107-1	1.15	1.10	1.19	1.15	3.65	ppb
Sodium	23-2	484.15	481.12	477.53	480.93	0.69	ppb
Strontium	86-1	0.77	0.84	0.74	0.78	6.73	ppb
Strontium	88-1	0.86	0.85	0.78	0.83	5.60	ppb
Sulfur	34-1	23.73	-397.68	-326.85	-233.60		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.98	0.92	0.85	0.92	7.29	ppb
Thallium	205-1	0.92	0.91	0.90	0.91	1.42	ppb
Tin	118-1	5.19	5.29	5.08	5.19	2.10	ppb
Titanium	47-1	4.81	4.81	4.50	4.71	3.82	ppb
Uranium	238-1	0.90	0.89	0.90	0.90	0.50	ppb
Vanadium	51-2	5.12	4.90	4.96	4.99	2.30	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	2.00	2.02	1.80	1.94	6.33	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:58:43	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.82	0.85	0.83	0.83	1.95	ppb
Zirconium	91-1	0.95	0.90	0.83	0.89	7.08	ppb

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : S03 Instrumnet Name : P8
 Client Sample ID : S03 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:02:35 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	978.50	1004.74	1001.28	994.84	1.43	ppb
Antimony	121-1	51.33	50.87	53.66	51.95	2.87	ppb
Arsenic	75-2	50.49	51.18	50.82	50.83	0.68	ppb
Barium	135-1	258.49	255.59	266.16	260.08	2.10	ppb
Barium	137-1	253.24	254.01	267.89	258.38	3.19	ppb
Beryllium	9-1	50.42	49.88	51.93	50.74	2.09	ppb
Bismuth	209-1				103		%
Bismuth	209-2				107		%
Boron	11-1	45.92	47.53	49.55	47.67	3.81	ppb
Boron	10-1	48.63	47.45	50.26	48.78	2.89	ppb
Cadmium	106-1	51.52	50.67	54.03	52.08	3.35	ppb
Cadmium	108-1	53.82	51.91	55.09	53.61	2.98	ppb
Cadmium	111-1	50.70	51.27	53.23	51.73	2.56	ppb
Calcium	43-1	4826.67	4822.09	5129.43	4926.06	3.58	ppb
Calcium	44-1	4891.05	4899.92	5252.49	5014.49	4.11	ppb
Chromium	52-2	50.17	51.16	51.21	50.85	1.15	ppb
Cobalt	59-2	50.85	50.94	51.51	51.10	0.70	ppb
Copper	63-2	103.88	104.38	104.22	104.16	0.24	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				106		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	56-2	2574.98	2647.70	2631.18	2617.95	1.46	ppb
Iron	57-2	2564.67	2534.35	2566.92	2555.31	0.71	ppb
Krypton	83-1						cps
Lead	207-1	49.54	49.07	51.45	50.02	2.52	ppb
Lead	208-1	49.90	49.36	51.89	50.38	2.64	ppb
Lead	206-1	50.04	48.98	52.17	50.40	3.23	ppb
Lithium	6-1				103		%
Magnesium	24-2	5135.11	5165.07	5240.48	5180.22	1.05	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:02:35	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	103.27	104.70	104.38	104.12	0.72	ppb
Molybdenum	94-1	254.49	247.79	258.56	253.61	2.15	ppb
Molybdenum	95-1	252.62	248.99	257.90	253.17	1.77	ppb
Molybdenum	96-1	250.18	247.95	260.32	252.81	2.61	ppb
Molybdenum	97-1	249.54	248.98	258.73	252.42	2.17	ppb
Molybdenum	98-1	253.80	248.55	261.53	254.63	2.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.63	52.79	52.86	52.43	1.32	ppb
Phosphorus	31-2	966.75	1010.56	767.75	915.02	14.14	ppb
Potassium	39-2	2512.42	2536.33	2568.23	2538.99	1.10	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	77-2	69.75	46.82	51.54	56.04	21.61	ppb
Selenium	78-2	55.21	53.53	41.97	50.23	14.35	ppb
Selenium	82-1	52.37	51.17	54.07	52.53	2.77	ppb
Silicon	28-1	57.36	59.21	68.72	61.76	9.87	ppb
Silver	109-1	53.04	52.27	55.51	53.61	3.16	ppb
Silver	107-1	53.70	52.69	55.76	54.05	2.90	ppb
Sodium	23-2	5182.70	5217.22	5242.01	5213.97	0.57	ppb
Strontium	86-1	50.28	49.45	53.64	51.12	4.35	ppb
Strontium	88-1	50.22	50.26	52.54	51.01	2.61	ppb
Sulfur	34-1	288.38	414.82	1836.93	846.71	101.56	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	50.32	48.93	52.56	50.60	3.62	ppb
Thallium	205-1	50.93	49.58	52.52	51.01	2.89	ppb
Tin	118-1	51.66	50.74	53.98	52.13	3.20	ppb
Titanium	47-1	251.14	247.63	264.62	254.46	3.53	ppb
Uranium	238-1	48.43	48.93	50.48	49.28	2.16	ppb
Vanadium	51-2	50.36	50.68	51.23	50.76	0.87	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	101.39	105.17	105.10	103.89	2.08	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:02:35	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	49.75	49.15	52.01	50.31	3.00	ppb
Zirconium	91-1	48.59	48.38	50.18	49.05	2.01	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:06:25	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2269.84	2307.47	2863.07	2480.13	13.39	ppb
Antimony	121-1	129.41	132.80	133.86	132.02	1.76	ppb
Arsenic	75-2	118.37	115.78	144.35	126.17	12.53	ppb
Barium	135-1	649.91	664.98	669.16	661.35	1.53	ppb
Barium	137-1	646.20	674.63	680.28	667.04	2.74	ppb
Beryllium	9-1	128.61	128.60	130.59	129.26	0.89	ppb
Bismuth	209-1				107		%
Bismuth	209-2				113		%
Boron	11-1	123.18	123.46	129.25	125.29	2.73	ppb
Boron	10-1	123.48	119.96	132.48	125.31	5.16	ppb
Cadmium	106-1	137.86	131.61	137.90	135.79	2.66	ppb
Cadmium	108-1	135.25	135.35	133.08	134.56	0.95	ppb
Cadmium	111-1	130.97	134.40	133.92	133.09	1.40	ppb
Calcium	43-1	12178.72	12600.05	12786.59	12521.79	2.49	ppb
Calcium	44-1	12171.63	12517.63	12836.13	12508.46	2.66	ppb
Chromium	52-2	117.92	117.69	148.08	127.90	13.67	ppb
Cobalt	59-2	117.42	118.70	148.72	128.28	13.81	ppb
Copper	63-2	240.59	242.01	304.23	262.28	13.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				108		%
Iron	56-2	5939.19	5941.40	7491.44	6457.34	13.87	ppb
Iron	57-2	5934.25	6007.80	7525.18	6489.08	13.84	ppb
Krypton	83-1						cps
Lead	207-1	124.97	124.39	128.63	126.00	1.83	ppb
Lead	208-1	126.99	126.43	131.55	128.32	2.19	ppb
Lead	206-1	126.89	127.11	131.90	128.64	2.20	ppb
Lithium	6-1				103		%
Magnesium	24-2	11773.84	11813.94	14979.27	12855.68	14.31	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:06:25	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	237.25	238.37	296.68	257.43	13.20	ppb
Molybdenum	94-1	646.83	652.35	674.87	658.01	2.26	ppb
Molybdenum	95-1	642.19	652.26	674.88	656.44	2.55	ppb
Molybdenum	96-1	653.40	648.70	668.66	656.92	1.59	ppb
Molybdenum	97-1	642.55	658.82	663.93	655.10	1.70	ppb
Molybdenum	98-1	645.69	647.66	670.47	654.61	2.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	118.79	119.16	150.11	129.35	13.90	ppb
Phosphorus	31-2	2351.35	2291.32	2888.02	2510.23	13.09	ppb
Potassium	39-2	5785.75	5801.39	7367.00	6318.05	14.38	ppb
Rhodium	103-1				104		%
Rhodium	103-2				107		%
Scandium	45-1				105		%
Scandium	45-2				106		%
Selenium	77-2	139.21	134.82	160.92	144.98	9.64	ppb
Selenium	78-2	126.41	118.83	156.45	133.90	14.86	ppb
Selenium	82-1	128.58	131.15	133.65	131.13	1.93	ppb
Silicon	28-1	125.85	134.53	141.75	134.04	5.94	ppb
Silver	109-1	132.16	137.63	137.30	135.70	2.26	ppb
Silver	107-1	133.30	136.43	138.52	136.09	1.93	ppb
Sodium	23-2	12077.84	12284.15	15224.63	13195.54	13.34	ppb
Strontium	86-1	127.34	127.44	134.16	129.65	3.01	ppb
Strontium	88-1	129.92	130.41	134.32	131.55	1.83	ppb
Sulfur	34-1	1469.61	2092.50	2755.21	2105.77	30.53	ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	127.22	129.74	131.94	129.63	1.82	ppb
Thallium	205-1	128.04	131.03	132.84	130.64	1.86	ppb
Tin	118-1	130.81	134.52	133.89	133.07	1.49	ppb
Titanium	47-1	634.47	648.77	663.37	648.87	2.23	ppb
Uranium	238-1	126.89	128.27	131.49	128.88	1.83	ppb
Vanadium	51-2	116.26	116.69	145.28	126.08	13.19	ppb
Yttrium	89-1				107		%
Yttrium	89-2				108		%
Zinc	66-2	237.47	237.54	304.90	259.97	14.97	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:06:25	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	130.20	132.89	136.94	133.34	2.54	ppb
Zirconium	91-1	126.68	128.00	132.51	129.06	2.37	ppb

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : S05 Instrumnet Name : P8
 Client Sample ID : S05 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:10:08 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5056.48	5081.02	4922.76	5020.08	1.70	ppb
Antimony	121-1	256.39	308.20	261.89	275.49	10.33	ppb
Arsenic	75-2	254.92	257.89	252.91	255.24	0.98	ppb
Barium	135-1	1243.68	1532.57	1276.20	1350.82	11.71	ppb
Barium	137-1	1251.68	1534.55	1263.04	1349.76	11.86	ppb
Beryllium	9-1	251.99	289.61	247.17	262.92	8.84	ppb
Bismuth	209-1				107		%
Bismuth	209-2				112		%
Boron	11-1	240.14	281.82	242.43	254.80	9.20	ppb
Boron	10-1	240.53	279.41	246.65	255.53	8.18	ppb
Cadmium	106-1	243.40	314.41	252.73	270.18	14.28	ppb
Cadmium	108-1	254.63	300.54	259.55	271.57	9.28	ppb
Cadmium	111-1	247.03	302.70	253.91	267.88	11.33	ppb
Calcium	43-1	24012.32	29440.54	24333.56	25928.81	11.75	ppb
Calcium	44-1	23767.39	29103.01	23804.80	25558.40	12.01	ppb
Chromium	52-2	262.15	259.40	257.00	259.52	0.99	ppb
Cobalt	59-2	263.19	262.51	257.66	261.12	1.15	ppb
Copper	63-2	534.33	531.70	525.52	530.51	0.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	56-2	13200.52	13054.26	12959.21	13071.33	0.93	ppb
Iron	57-2	13314.11	13138.98	12885.24	13112.78	1.64	ppb
Krypton	83-1						cps
Lead	207-1	245.92	291.65	253.43	263.67	9.30	ppb
Lead	208-1	251.76	299.47	257.40	269.54	9.67	ppb
Lead	206-1	247.90	294.68	253.45	265.35	9.63	ppb
Lithium	6-1				101		%
Magnesium	24-2	26968.83	26697.69	26237.56	26634.69	1.39	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:10:08	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	530.96	522.19	516.78	523.31	1.37	ppb
Molybdenum	94-1	1261.34	1548.15	1254.15	1354.55	12.38	ppb
Molybdenum	95-1	1255.14	1551.28	1260.48	1355.63	12.50	ppb
Molybdenum	96-1	1255.97	1546.77	1264.26	1355.67	12.21	ppb
Molybdenum	97-1	1261.31	1566.87	1247.06	1358.41	13.30	ppb
Molybdenum	98-1	1236.96	1531.47	1231.47	1333.30	12.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	264.84	264.45	260.91	263.40	0.82	ppb
Phosphorus	31-2	4798.87	4994.95	5304.83	5032.88	5.07	ppb
Potassium	39-2	12938.03	12754.56	12592.21	12761.60	1.36	ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	77-2	270.56	234.86	308.77	271.40	13.62	ppb
Selenium	78-2	224.79	253.55	246.23	241.52	6.19	ppb
Selenium	82-1	252.48	310.70	252.15	271.78	12.40	ppb
Silicon	28-1	248.20	327.47	257.86	277.84	15.57	ppb
Silver	109-1	259.34	313.07	264.98	279.13	10.58	ppb
Silver	107-1	255.21	315.57	258.37	276.39	12.29	ppb
Sodium	23-2	26724.35	26257.69	26247.49	26409.84	1.03	ppb
Strontium	86-1	243.89	304.52	252.39	266.93	12.30	ppb
Strontium	88-1	246.31	305.13	251.22	267.55	12.20	ppb
Sulfur	34-1	4293.46	10221.16	4615.96	6376.86	52.27	ppb
Terbium	159-1				108		%
Terbium	159-2				109		%
Thallium	203-1	249.19	293.17	252.17	264.84	9.28	ppb
Thallium	205-1	255.07	298.16	259.67	270.97	8.73	ppb
Tin	118-1	249.71	304.87	257.31	270.63	11.05	ppb
Titanium	47-1	1240.08	1541.62	1265.77	1349.16	12.39	ppb
Uranium	238-1	248.43	304.53	253.40	268.79	11.55	ppb
Vanadium	51-2	257.84	257.98	255.23	257.02	0.60	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	533.79	525.14	519.98	526.30	1.33	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:10:08	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	250.73	310.03	252.99	271.25	12.39	ppb
Zirconium	91-1	244.07	303.98	247.66	265.23	12.67	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:13:46	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9807.71	9803.36	9883.50	9831.52	0.46	ppb
Antimony	121-1	502.53	511.97	548.16	520.89	4.62	ppb
Arsenic	75-2	506.71	514.67	511.71	511.03	0.79	ppb
Barium	135-1	2481.89	2533.64	2689.90	2568.47	4.22	ppb
Barium	137-1	2409.40	2503.28	2693.52	2535.40	5.71	ppb
Beryllium	9-1	501.75	496.95	540.42	513.04	4.65	ppb
Bismuth	209-1				117		%
Bismuth	209-2				114		%
Boron	11-1	485.64	489.54	535.03	503.40	5.45	ppb
Boron	10-1	481.52	492.12	545.51	506.38	6.77	ppb
Cadmium	106-1	503.18	504.93	535.73	514.61	3.56	ppb
Cadmium	108-1	500.26	503.41	549.85	517.84	5.36	ppb
Cadmium	111-1	495.41	498.77	542.77	512.31	5.16	ppb
Calcium	43-1	47603.03	48501.68	53241.46	49782.06	6.09	ppb
Calcium	44-1	47331.53	47535.83	51777.89	48881.75	5.14	ppb
Chromium	52-2	513.29	508.23	508.63	510.05	0.55	ppb
Cobalt	59-2	517.20	507.85	507.85	510.97	1.06	ppb
Copper	63-2	1052.87	1037.44	1034.25	1041.52	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				112		%
Indium	115-1				111		%
Indium	115-2				106		%
Iron	56-2	25575.52	25451.87	25353.25	25460.21	0.44	ppb
Iron	57-2	25959.26	25416.73	25407.81	25594.60	1.23	ppb
Krypton	83-1						cps
Lead	207-1	493.93	503.06	532.67	509.89	3.97	ppb
Lead	208-1	498.18	501.62	535.83	511.88	4.07	ppb
Lead	206-1	497.84	504.20	524.96	509.00	2.79	ppb
Lithium	6-1				104		%
Magnesium	24-2	52227.71	51184.99	51702.50	51705.07	1.01	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:13:46	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1037.01	1030.83	1022.70	1030.18	0.70	ppb
Molybdenum	94-1	2511.32	2486.31	2646.46	2548.03	3.38	ppb
Molybdenum	95-1	2474.25	2468.44	2657.42	2533.37	4.24	ppb
Molybdenum	96-1	2481.18	2480.66	2665.05	2542.30	4.18	ppb
Molybdenum	97-1	2469.31	2469.08	2671.35	2536.58	4.60	ppb
Molybdenum	98-1	2496.65	2502.20	2672.60	2557.15	3.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	516.67	516.90	512.42	515.33	0.49	ppb
Phosphorus	31-2	9841.66	10496.84	10023.22	10120.57	3.34	ppb
Potassium	39-2	25077.59	25039.93	24995.81	25037.78	0.16	ppb
Rhodium	103-1				109		%
Rhodium	103-2				104		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	77-2	526.27	470.52	502.00	499.60	5.60	ppb
Selenium	78-2	505.37	485.98	498.15	496.50	1.97	ppb
Selenium	82-1	501.04	502.19	546.36	516.53	5.00	ppb
Silicon	28-1	501.85	513.97	562.14	525.99	6.06	ppb
Silver	109-1	504.87	502.33	550.25	519.15	5.19	ppb
Silver	107-1	503.46	508.87	549.71	520.68	4.86	ppb
Sodium	23-2	50899.72	50419.31	50986.08	50768.37	0.60	ppb
Strontium	86-1	499.48	496.68	536.95	511.03	4.40	ppb
Strontium	88-1	499.07	494.12	534.84	509.35	4.36	ppb
Sulfur	34-1	10826.33	11077.12	14004.04	11969.16	14.76	ppb
Terbium	159-1				116		%
Terbium	159-2				112		%
Thallium	203-1	495.61	497.78	536.00	509.80	4.46	ppb
Thallium	205-1	498.21	505.29	529.00	510.83	3.16	ppb
Tin	118-1	505.29	507.52	537.57	516.79	3.49	ppb
Titanium	47-1	2467.76	2492.92	2715.13	2558.60	5.32	ppb
Uranium	238-1	492.75	492.45	530.45	505.22	4.33	ppb
Vanadium	51-2	509.42	506.19	506.10	507.23	0.37	ppb
Yttrium	89-1				112		%
Yttrium	89-2				106		%
Zinc	66-2	1047.76	1038.13	1034.71	1040.20	0.65	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:13:46	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	498.11	490.74	530.98	506.61	4.23	ppb
Zirconium	91-1	500.98	490.63	538.49	510.03	4.94	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:17:20	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18741.29	19265.48	19625.73	19210.83	2.32	ppb
Antimony	121-1	1006.29	975.06	965.28	982.21	2.18	ppb
Arsenic	75-2	965.62	1011.13	1002.22	992.99	2.43	ppb
Barium	135-1	5049.76	4903.88	4852.90	4935.51	2.07	ppb
Barium	137-1	5089.79	4901.99	4863.28	4951.69	2.45	ppb
Beryllium	9-1	994.83	997.35	976.86	989.68	1.13	ppb
Bismuth	209-1				120		%
Bismuth	209-2				114		%
Boron	11-1	989.23	1004.73	997.75	997.24	0.78	ppb
Boron	10-1	981.49	1001.96	1003.09	995.51	1.22	ppb
Cadmium	106-1	1008.21	991.94	958.45	986.20	2.57	ppb
Cadmium	108-1	1016.79	968.25	967.89	984.31	2.86	ppb
Cadmium	111-1	1015.46	978.57	970.79	988.27	2.41	ppb
Calcium	43-1	99628.80	95928.87	94945.91	96834.53	2.55	ppb
Calcium	44-1	96946.34	94512.97	94673.07	95377.46	1.43	ppb
Chromium	52-2	966.35	997.11	1013.11	992.19	2.40	ppb
Cobalt	59-2	976.16	999.04	998.61	991.27	1.32	ppb
Copper	63-2	1916.79	1980.40	2012.42	1969.87	2.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				114		%
Indium	115-1				113		%
Indium	115-2				105		%
Iron	56-2	48180.27	49757.01	49889.32	49275.53	1.93	ppb
Iron	57-2	48570.50	49900.89	50653.15	49708.18	2.12	ppb
Krypton	83-1						cps
Lead	207-1	1008.62	987.88	978.05	991.51	1.57	ppb
Lead	208-1	1008.61	986.79	970.82	988.74	1.92	ppb
Lead	206-1	1009.01	997.42	967.15	991.19	2.18	ppb
Lithium	6-1				106		%
Magnesium	24-2	96950.16	99983.81	100407.22	99113.73	1.90	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:17:20	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1935.50	1985.11	2013.23	1977.95	1.99	ppb
Molybdenum	94-1	5078.14	4878.98	4879.50	4945.54	2.32	ppb
Molybdenum	95-1	5101.25	4867.86	4889.34	4952.82	2.60	ppb
Molybdenum	96-1	5057.95	4885.92	4901.04	4948.30	1.93	ppb
Molybdenum	97-1	5060.27	4883.08	4908.83	4950.72	1.93	ppb
Molybdenum	98-1	5041.25	4895.89	4902.87	4946.67	1.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	961.18	998.72	1005.06	988.32	2.40	ppb
Phosphorus	31-2	19204.41	20484.09	20114.89	19934.46	3.30	ppb
Potassium	39-2	48568.06	49400.75	49712.89	49227.23	1.20	ppb
Rhodium	103-1				110		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				107		%
Selenium	77-2	969.25	970.37	1036.53	992.05	3.88	ppb
Selenium	78-2	984.32	1035.87	988.05	1002.75	2.87	ppb
Selenium	82-1	1011.41	969.42	975.37	985.40	2.31	ppb
Silicon	28-1	997.06	975.08	962.87	978.34	1.77	ppb
Silver	109-1	1012.04	968.46	964.38	981.63	2.69	ppb
Silver	107-1	1008.05	975.64	960.73	981.48	2.47	ppb
Sodium	23-2	97729.05	99717.54	101679.88	99708.82	1.98	ppb
Strontium	86-1	1005.25	986.43	977.16	989.61	1.45	ppb
Strontium	88-1	1008.28	978.63	983.30	990.07	1.61	ppb
Sulfur	34-1	19236.27	18197.23	18750.94	18728.15	2.78	ppb
Terbium	159-1				120		%
Terbium	159-2				114		%
Thallium	203-1	1012.94	991.70	967.71	990.78	2.28	ppb
Thallium	205-1	1009.06	990.92	965.78	988.59	2.20	ppb
Tin	118-1	1009.85	972.19	973.94	985.33	2.16	ppb
Titanium	47-1	5057.33	4898.84	4871.94	4942.70	2.03	ppb
Uranium	238-1	1016.98	989.54	970.21	992.24	2.37	ppb
Vanadium	51-2	969.45	997.55	1016.37	994.46	2.37	ppb
Yttrium	89-1				116		%
Yttrium	89-2				108		%
Zinc	66-2	1904.45	1986.85	2024.35	1971.88	3.11	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:17:20	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1013.33	980.67	976.97	990.32	2.02	ppb
Zirconium	91-1	1008.02	975.26	988.86	990.71	1.66	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:20:45	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98531.10	101068.84	100922.73	100174.23	1.42	ppb
Antimony	121-1	1.18	1.21	1.23	1.21	2.15	ppb
Arsenic	75-2	1.42	1.37	1.39	1.39	1.86	ppb
Barium	135-1	0.46	0.50	0.37	0.44	15.12	ppb
Barium	137-1	0.52	0.50	0.45	0.49	8.00	ppb
Beryllium	9-1	0.19	0.17	0.18	0.18	6.49	ppb
Bismuth	209-1				112		%
Bismuth	209-2				103		%
Boron	11-1	57.66	52.24	48.17	52.69	9.03	ppb
Boron	10-1	60.15	55.80	50.74	55.57	8.47	ppb
Cadmium	106-1	0.69	1.16	-0.35	0.50	154.30	ppb
Cadmium	108-1	0.10	0.17	0.13	0.13	24.95	ppb
Cadmium	111-1	0.07	0.13	0.01	0.07	89.90	ppb
Calcium	43-1	502816.91	503499.31	495509.86	500608.69	0.88	ppb
Calcium	44-1	504042.88	505882.07	493099.35	501008.10	1.38	ppb
Chromium	52-2	6.37	6.46	6.97	6.60	4.89	ppb
Cobalt	59-2	11.12	11.17	11.55	11.28	2.10	ppb
Copper	63-2	2.61	2.43	2.51	2.51	3.58	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				117		%
Holmium	165-2				110		%
Indium	115-1				108		%
Indium	115-2				104		%
Iron	56-2	246321.18	251830.91	252039.73	250063.94	1.30	ppb
Iron	57-2	245886.50	249982.32	254016.39	249961.74	1.63	ppb
Krypton	83-1						cps
Lead	207-1	1.51	1.44	1.60	1.52	5.15	ppb
Lead	208-1	1.58	1.60	1.60	1.59	0.66	ppb
Lead	206-1	1.60	1.65	1.67	1.64	2.11	ppb
Lithium	6-1				102		%
Magnesium	24-2	492506.22	502832.96	504403.78	499914.32	1.29	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:20:45	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.12	7.46	7.67	7.41	3.69	ppb
Molybdenum	94-1	1.96	2.03	2.00	2.00	1.90	ppb
Molybdenum	95-1	2.26	2.22	2.14	2.20	2.79	ppb
Molybdenum	96-1	2.44	2.50	2.44	2.46	1.37	ppb
Molybdenum	97-1	2.22	2.27	2.15	2.22	2.81	ppb
Molybdenum	98-1	2.11	2.15	2.04	2.10	2.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.17	11.73	12.25	12.05	2.32	ppb
Phosphorus	31-2	-27.68	-18.72	-1.41	-15.94		ppb
Potassium	39-2	245688.58	251457.69	253260.67	250135.65	1.58	ppb
Rhodium	103-1				103		%
Rhodium	103-2				99		%
Scandium	45-1				107		%
Scandium	45-2				106		%
Selenium	77-2	2.55	0.00	2.52	1.69	86.61	ppb
Selenium	78-2	1.42	0.59	-0.61	0.47	216.53	ppb
Selenium	82-1	0.31	0.68	0.49	0.50	36.95	ppb
Silicon	28-1	33.84	34.12	32.89	33.61	1.91	ppb
Silver	109-1	0.12	0.11	0.10	0.11	9.04	ppb
Silver	107-1	0.13	0.12	0.11	0.12	8.76	ppb
Sodium	23-2	492366.11	504137.65	503170.44	499891.40	1.31	ppb
Strontium	86-1	3.57	3.81	3.68	3.69	3.15	ppb
Strontium	88-1	3.67	3.77	3.69	3.71	1.50	ppb
Sulfur	34-1	-3325.24	-3071.65	-3049.17	-3148.69		ppb
Terbium	159-1				117		%
Terbium	159-2				109		%
Thallium	203-1	0.06	0.04	0.02	0.04	48.29	ppb
Thallium	205-1	0.07	0.05	0.04	0.05	31.77	ppb
Tin	118-1	0.48	0.52	0.55	0.52	6.74	ppb
Titanium	47-1	0.63	0.87	1.05	0.85	24.40	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	13.11	ppb
Vanadium	51-2	0.12	0.13	0.12	0.12	3.09	ppb
Yttrium	89-1				113		%
Yttrium	89-2				107		%
Zinc	66-2	12.30	12.03	12.22	12.18	1.13	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:20:45	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.21	0.21	0.19	0.20	6.84	ppb
Zirconium	91-1	0.21	0.26	0.17	0.21	21.96	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:33:22	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	444.56	461.58	452.71	452.95	1.88	ppb
Antimony	121-1	189.22	195.86	196.03	193.70	2.01	ppb
Arsenic	75-2	193.10	196.63	195.26	194.99	0.91	ppb
Barium	135-1	94.64	98.22	99.23	97.36	2.48	ppb
Barium	137-1	95.51	97.82	97.32	96.89	1.25	ppb
Beryllium	9-1	93.98	94.13	95.80	94.64	1.07	ppb
Bismuth	209-1				124		%
Bismuth	209-2				119		%
Boron	11-1	507.92	520.42	546.23	524.86	3.72	ppb
Boron	10-1	520.31	529.79	553.87	534.66	3.24	ppb
Cadmium	106-1	154.88	155.10	154.66	154.88	0.14	ppb
Cadmium	108-1	135.57	132.83	138.99	135.80	2.27	ppb
Cadmium	111-1	98.48	101.36	100.46	100.10	1.48	ppb
Calcium	43-1	2017.30	2087.88	2111.98	2072.39	2.37	ppb
Calcium	44-1	1925.42	1984.89	1956.02	1955.44	1.52	ppb
Chromium	52-2	94.96	95.75	94.20	94.97	0.82	ppb
Cobalt	59-2	97.46	99.26	98.03	98.25	0.94	ppb
Copper	63-2	100.35	100.25	100.82	100.47	0.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				115		%
Indium	115-1				116		%
Indium	115-2				111		%
Iron	56-2	972.43	991.13	982.84	982.14	0.95	ppb
Iron	57-2	986.27	998.90	975.88	987.01	1.17	ppb
Krypton	83-1						cps
Lead	207-1	180.27	186.07	189.27	185.20	2.47	ppb
Lead	208-1	188.49	190.78	195.23	191.50	1.79	ppb
Lead	206-1	190.40	192.65	195.99	193.01	1.46	ppb
Lithium	6-1				111		%
Magnesium	24-2	1148.84	1205.35	1202.66	1185.62	2.69	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:33:22	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	97.48	100.07	97.17	98.24	1.62	ppb
Molybdenum	94-1	2417.68	2412.97	2460.85	2430.50	1.09	ppb
Molybdenum	95-1	2319.16	2319.12	2392.40	2343.56	1.80	ppb
Molybdenum	96-1	2316.82	2320.06	2357.23	2331.37	0.96	ppb
Molybdenum	97-1	2321.98	2298.60	2368.56	2329.71	1.53	ppb
Molybdenum	98-1	2320.12	2326.86	2394.75	2347.24	1.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	100.70	100.13	100.71	100.51	0.33	ppb
Phosphorus	31-2	-19.84	-27.93	4.99	-14.26		ppb
Potassium	39-2	1894.97	1942.74	1907.18	1914.96	1.30	ppb
Rhodium	103-1				116		%
Rhodium	103-2				112		%
Scandium	45-1				113		%
Scandium	45-2				110		%
Selenium	77-2	161.97	199.62	190.33	183.97	10.66	ppb
Selenium	78-2	191.15	195.87	194.71	193.91	1.27	ppb
Selenium	82-1	191.37	195.85	196.03	194.42	1.36	ppb
Silicon	28-1	-3.70	0.01	-0.48	-1.39		ppb
Silver	109-1	96.84	99.51	100.20	98.85	1.80	ppb
Silver	107-1	98.34	101.01	100.92	100.09	1.51	ppb
Sodium	23-2	2015.66	2029.95	2013.41	2019.67	0.44	ppb
Strontium	86-1	420.46	435.60	441.65	432.57	2.52	ppb
Strontium	88-1	422.94	436.04	438.05	432.35	1.90	ppb
Sulfur	34-1	-4710.31	-4486.14	-4655.57	-4617.34		ppb
Terbium	159-1				121		%
Terbium	159-2				115		%
Thallium	203-1	190.44	194.66	197.62	194.24	1.86	ppb
Thallium	205-1	196.04	195.82	199.66	197.17	1.09	ppb
Tin	118-1	544.42	544.34	552.67	547.14	0.88	ppb
Titanium	47-1	2310.12	2378.33	2355.22	2347.89	1.48	ppb
Uranium	238-1	495.21	489.93	503.24	496.13	1.35	ppb
Vanadium	51-2	95.06	95.54	95.12	95.24	0.27	ppb
Yttrium	89-1				118		%
Yttrium	89-2				110		%
Zinc	66-2	199.56	205.80	200.87	202.08	1.63	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:33:22	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	516.56	523.30	526.83	522.23	1.00	ppb
Zirconium	91-1	517.10	523.40	533.67	524.72	1.59	ppb

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:50:18 DataFile Name : 017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.33	0.11	-0.80	-0.12		ppb
Antimony	121-1	0.04	0.04	0.02	0.03	31.97	ppb
Arsenic	75-2	-0.01	0.00	0.00	0.00		ppb
Barium	135-1	0.00	0.00	0.02	0.01	145.23	ppb
Barium	137-1	0.00	0.00	0.00	0.00	314.20	ppb
Beryllium	9-1	0.01	0.01	0.02	0.01	53.08	ppb
Bismuth	209-1				114		%
Bismuth	209-2				110		%
Boron	11-1	5.99	5.63	6.47	6.03	6.92	ppb
Boron	10-1	6.91	5.17	6.76	6.28	15.38	ppb
Cadmium	106-1	-0.25	-0.49	-0.15	-0.30		ppb
Cadmium	108-1	0.04	-0.03	0.04	0.02	260.82	ppb
Cadmium	111-1	-0.02	-0.03	-0.01	-0.02		ppb
Calcium	43-1	-4.97	-7.26	-3.36	-5.20		ppb
Calcium	44-1	5.85	2.46	0.88	3.06	82.87	ppb
Chromium	52-2	-0.11	-0.07	-0.17	-0.12		ppb
Cobalt	59-2	0.01	0.02	0.00	0.01	128.00	ppb
Copper	63-2	0.21	0.15	0.19	0.18	16.25	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				107		%
Indium	115-1				111		%
Indium	115-2				106		%
Iron	56-2	0.27	0.28	0.55	0.36	43.56	ppb
Iron	57-2	-1.70	-1.24	0.63	-0.77		ppb
Krypton	83-1						cps
Lead	207-1	0.15	0.14	0.12	0.14	10.64	ppb
Lead	208-1	0.15	0.12	0.13	0.13	11.82	ppb
Lead	206-1	0.15	0.12	0.14	0.13	8.26	ppb
Lithium	6-1				104		%
Magnesium	24-2	0.16	4.19	-1.73	0.87	346.74	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:50:18	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.13	-0.14	-0.09	-0.12		ppb
Molybdenum	94-1	0.04	0.07	0.09	0.07	42.55	ppb
Molybdenum	95-1	0.10	0.10	0.09	0.10	5.61	ppb
Molybdenum	96-1	0.12	0.12	0.06	0.10	31.47	ppb
Molybdenum	97-1	0.09	0.07	0.09	0.09	13.86	ppb
Molybdenum	98-1	0.11	0.07	0.10	0.09	24.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.02	-0.01	0.01	177.82	ppb
Phosphorus	31-2	-27.02	-44.51	-35.49	-35.67		ppb
Potassium	39-2	24.80	37.40	53.18	38.46	36.98	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	77-2	0.00	2.64	0.00	0.88	173.21	ppb
Selenium	78-2	-0.19	0.25	-1.01	-0.32		ppb
Selenium	82-1	0.78	-0.99	0.87	0.22	475.96	ppb
Silicon	28-1	-7.67	-10.83	-11.08	-9.86		ppb
Silver	109-1	0.06	0.06	0.05	0.05	8.96	ppb
Silver	107-1	0.07	0.04	0.05	0.05	30.23	ppb
Sodium	23-2	75.99	78.02	71.32	75.11	4.57	ppb
Strontium	86-1	-0.05	-0.01	0.04	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	44.05	ppb
Sulfur	34-1	-4933.06	-5516.94	-5295.48	-5248.49		ppb
Terbium	159-1				113		%
Terbium	159-2				107		%
Thallium	203-1	0.11	0.08	0.08	0.09	23.36	ppb
Thallium	205-1	0.07	0.10	0.10	0.09	18.76	ppb
Tin	118-1	0.02	0.02	0.07	0.04	90.40	ppb
Titanium	47-1	0.05	0.00	0.08	0.04	102.48	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	0.00	-0.01	-0.01		ppb
Yttrium	89-1				110		%
Yttrium	89-2				104		%
Zinc	66-2	0.08	0.04	0.09	0.07	35.12	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:50:18	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.01	0.00	0.00	109.95	ppb
Zirconium	91-1	0.00	-0.01	0.01	0.00	1004.22	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:53:47	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	90039.10	89390.15	90379.98	89936.41	0.56	ppb
Antimony	121-1	1.15	1.21	1.30	1.22	6.01	ppb
Arsenic	75-2	0.31	0.31	0.30	0.31	1.88	ppb
Barium	135-1	1.55	1.62	1.61	1.59	2.24	ppb
Barium	137-1	1.50	1.45	1.64	1.53	6.56	ppb
Beryllium	9-1	0.31	0.26	0.28	0.28	8.87	ppb
Bismuth	209-1				113		%
Bismuth	209-2				112		%
Boron	11-1	6.33	6.01	6.04	6.13	2.90	ppb
Boron	10-1	6.27	6.50	5.02	5.93	13.49	ppb
Cadmium	106-1	0.43	1.42	-0.21	0.55	150.11	ppb
Cadmium	108-1	8.38	9.25	8.03	8.55	7.31	ppb
Cadmium	111-1	0.36	0.39	0.37	0.37	5.03	ppb
Calcium	43-1	98957.79	99736.84	97734.24	98809.62	1.02	ppb
Calcium	44-1	97724.52	97362.68	96412.29	97166.50	0.70	ppb
Chromium	52-2	20.20	20.29	20.28	20.26	0.23	ppb
Cobalt	59-2	1.09	1.08	1.12	1.10	1.91	ppb
Copper	63-2	9.04	8.97	9.02	9.01	0.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				113		%
Indium	115-1				110		%
Indium	115-2				107		%
Iron	56-2	100058.49	99820.35	101334.97	100404.60	0.81	ppb
Iron	57-2	103295.34	102963.79	103961.08	103406.74	0.49	ppb
Krypton	83-1						cps
Lead	207-1	4.25	4.24	4.37	4.28	1.68	ppb
Lead	208-1	4.53	4.56	4.67	4.59	1.62	ppb
Lead	206-1	4.86	4.95	5.05	4.95	1.92	ppb
Lithium	6-1				107		%
Magnesium	24-2	100499.84	100872.01	102205.76	101192.54	0.89	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:53:47	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	8.01	7.82	7.79	7.87	1.47	ppb
Molybdenum	94-1	1349.02	1354.98	1329.29	1344.43	1.00	ppb
Molybdenum	95-1	1897.29	1893.38	1878.40	1889.69	0.53	ppb
Molybdenum	96-1	1814.88	1810.45	1825.90	1817.08	0.44	ppb
Molybdenum	97-1	1904.21	1875.87	1909.04	1896.38	0.94	ppb
Molybdenum	98-1	1872.64	1870.36	1889.16	1877.39	0.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.17	5.36	5.59	5.37	3.91	ppb
Phosphorus	31-2	100475.04	99990.32	100619.50	100361.62	0.33	ppb
Potassium	39-2	99721.31	99118.48	101705.41	100181.74	1.35	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	77-2	0.00	5.08	0.00	1.69	173.21	ppb
Selenium	78-2	-0.20	0.20	0.21	0.07	327.83	ppb
Selenium	82-1	-0.57	0.02	0.20	-0.12		ppb
Silicon	28-1	26.93	27.99	28.38	27.76	2.71	ppb
Silver	109-1	0.28	0.35	0.38	0.34	15.37	ppb
Silver	107-1	0.24	0.38	0.39	0.34	24.80	ppb
Sodium	23-2	101763.64	100946.79	103456.17	102055.54	1.25	ppb
Strontium	86-1	29.47	29.53	29.77	29.59	0.54	ppb
Strontium	88-1	30.45	29.96	30.82	30.41	1.41	ppb
Sulfur	34-1	113585.27	110411.78	111432.56	111809.87	1.45	ppb
Terbium	159-1				115		%
Terbium	159-2				113		%
Thallium	203-1	0.01	0.01	0.02	0.01	49.71	ppb
Thallium	205-1	0.03	0.02	-0.02	0.01	265.59	ppb
Tin	118-1	0.22	0.23	0.25	0.23	6.22	ppb
Titanium	47-1	2041.75	2030.81	2018.54	2030.37	0.57	ppb
Uranium	238-1	0.02	0.02	0.01	0.02	21.52	ppb
Vanadium	51-2	0.16	0.16	0.11	0.14	17.58	ppb
Yttrium	89-1				112		%
Yttrium	89-2				106		%
Zinc	66-2	11.71	13.37	13.35	12.81	7.42	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:53:47	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.04	0.04	0.04	5.69	ppb
Zirconium	91-1	0.03	0.04	0.07	0.05	42.45	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:57:10	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89043.72	88646.36	90446.65	89378.91	1.06	ppb
Antimony	121-1	20.70	20.87	20.66	20.74	0.53	ppb
Arsenic	75-2	18.64	18.58	19.99	19.07	4.18	ppb
Barium	135-1	21.94	21.80	20.99	21.58	2.38	ppb
Barium	137-1	21.37	21.26	21.25	21.30	0.31	ppb
Beryllium	9-1	20.19	19.99	20.05	20.07	0.50	ppb
Bismuth	209-1				121		%
Bismuth	209-2				114		%
Boron	11-1	67.43	68.28	68.11	67.94	0.66	ppb
Boron	10-1	66.02	70.23	70.42	68.89	3.61	ppb
Cadmium	106-1	23.68	23.08	24.75	23.84	3.56	ppb
Cadmium	108-1	30.98	28.39	29.44	29.60	4.39	ppb
Cadmium	111-1	19.69	19.67	19.31	19.56	1.09	ppb
Calcium	43-1	96950.31	95233.65	97998.93	96727.63	1.44	ppb
Calcium	44-1	95283.15	94750.72	95936.54	95323.47	0.62	ppb
Chromium	52-2	39.59	39.83	40.91	40.11	1.76	ppb
Cobalt	59-2	21.12	20.93	21.76	21.27	2.03	ppb
Copper	63-2	29.54	29.55	30.06	29.72	1.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				123		%
Holmium	165-2				116		%
Indium	115-1				115		%
Indium	115-2				107		%
Iron	56-2	99377.88	98700.05	99902.94	99326.96	0.61	ppb
Iron	57-2	100920.93	100848.55	103359.66	101709.71	1.41	ppb
Krypton	83-1						cps
Lead	207-1	23.47	22.76	23.29	23.18	1.58	ppb
Lead	208-1	24.19	23.83	24.41	24.14	1.23	ppb
Lead	206-1	24.98	25.01	25.61	25.20	1.42	ppb
Lithium	6-1				111		%
Magnesium	24-2	100717.53	100991.89	101369.91	101026.44	0.32	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:57:10	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	28.44	28.23	28.96	28.55	1.32	ppb
Molybdenum	94-1	1486.13	1450.91	1461.16	1466.07	1.24	ppb
Molybdenum	95-1	1942.33	1887.66	1906.66	1912.22	1.45	ppb
Molybdenum	96-1	1890.91	1833.11	1875.58	1866.53	1.60	ppb
Molybdenum	97-1	1962.45	1934.05	1946.55	1947.68	0.73	ppb
Molybdenum	98-1	1974.18	1901.65	1920.26	1932.03	1.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.99	24.69	25.63	25.10	1.93	ppb
Phosphorus	31-2	97607.86	98135.31	100063.88	98602.35	1.31	ppb
Potassium	39-2	97920.51	98257.67	98814.84	98331.01	0.46	ppb
Rhodium	103-1				111		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				104		%
Selenium	77-2	22.66	22.65	15.31	20.21	20.97	ppb
Selenium	78-2	16.59	18.18	22.51	19.09	16.04	ppb
Selenium	82-1	19.72	18.21	20.15	19.36	5.27	ppb
Silicon	28-1	93.22	94.12	97.53	94.96	2.40	ppb
Silver	109-1	19.07	19.05	18.69	18.94	1.11	ppb
Silver	107-1	19.32	19.28	19.16	19.25	0.44	ppb
Sodium	23-2	101082.46	100892.56	102933.66	101636.23	1.11	ppb
Strontium	86-1	83.25	81.99	82.54	82.59	0.76	ppb
Strontium	88-1	86.63	85.50	85.02	85.72	0.96	ppb
Sulfur	34-1	109261.18	107459.85	110026.50	108915.84	1.21	ppb
Terbium	159-1				122		%
Terbium	159-2				114		%
Thallium	203-1	19.94	19.66	20.44	20.01	1.96	ppb
Thallium	205-1	20.56	20.02	20.52	20.36	1.48	ppb
Tin	118-1	61.34	61.34	61.35	61.35	0.01	ppb
Titanium	47-1	2062.25	2044.66	2062.62	2056.51	0.50	ppb
Uranium	238-1	63.34	61.39	63.04	62.59	1.68	ppb
Vanadium	51-2	19.78	19.59	19.95	19.77	0.90	ppb
Yttrium	89-1				115		%
Yttrium	89-2				107		%
Zinc	66-2	32.67	34.37	34.19	33.74	2.76	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:57:10	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	63.73	62.84	62.62	63.06	0.93	ppb
Zirconium	91-1	63.51	61.40	63.06	62.65	1.77	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV046	Instrumnet Name :	P8
Client Sample ID :	CCV046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:00:32	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54405.60	52525.28	53095.56	53342.14	1.81	ppb
Antimony	121-1	511.01	507.29	507.15	508.48	0.43	ppb
Arsenic	75-2	521.14	508.07	504.24	511.15	1.73	ppb
Barium	135-1	2595.07	2582.91	2551.63	2576.54	0.87	ppb
Barium	137-1	2575.30	2576.89	2541.56	2564.58	0.78	ppb
Beryllium	9-1	521.70	520.53	521.73	521.32	0.13	ppb
Bismuth	209-1				116		%
Bismuth	209-2				110		%
Boron	11-1	498.01	503.17	510.78	503.99	1.27	ppb
Boron	10-1	509.55	515.66	515.34	513.52	0.67	ppb
Cadmium	106-1	507.88	497.53	490.87	498.76	1.72	ppb
Cadmium	108-1	507.74	503.17	500.95	503.95	0.69	ppb
Cadmium	111-1	497.97	490.76	489.72	492.82	0.91	ppb
Calcium	43-1	240694.33	238303.30	238792.24	239263.29	0.53	ppb
Calcium	44-1	240889.05	239571.56	238705.21	239721.94	0.46	ppb
Chromium	52-2	526.84	513.21	506.98	515.68	1.97	ppb
Cobalt	59-2	511.37	504.15	502.42	505.98	0.94	ppb
Copper	63-2	1027.14	1001.09	997.96	1008.73	1.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				122		%
Holmium	165-2				114		%
Indium	115-1				114		%
Indium	115-2				107		%
Iron	56-2	129195.92	126409.62	126811.19	127472.24	1.18	ppb
Iron	57-2	130407.69	130784.21	129682.81	130291.57	0.43	ppb
Krypton	83-1						cps
Lead	207-1	529.01	521.84	524.31	525.05	0.69	ppb
Lead	208-1	535.22	518.04	524.17	525.81	1.66	ppb
Lead	206-1	532.82	523.58	515.99	524.13	1.61	ppb
Lithium	6-1				106		%
Magnesium	24-2	258668.20	249681.56	250200.24	252850.00	2.00	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV046	Instrumnet Name :	P8
Client Sample ID :	CCV046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:00:32	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1055.12	1031.98	1029.19	1038.76	1.37	ppb
Molybdenum	94-1	2593.21	2541.52	2550.35	2561.69	1.08	ppb
Molybdenum	95-1	2593.47	2518.25	2555.67	2555.80	1.47	ppb
Molybdenum	96-1	2591.75	2493.91	2565.25	2550.30	1.98	ppb
Molybdenum	97-1	2578.76	2507.71	2569.37	2551.94	1.51	ppb
Molybdenum	98-1	2575.12	2523.39	2551.55	2550.02	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	513.64	498.68	497.44	503.25	1.79	ppb
Phosphorus	31-2	10050.69	10225.06	10210.86	10162.21	0.95	ppb
Potassium	39-2	128824.29	126504.64	125216.24	126848.39	1.44	ppb
Rhodium	103-1				109		%
Rhodium	103-2				104		%
Scandium	45-1				112		%
Scandium	45-2				108		%
Selenium	77-2	613.41	540.66	526.86	560.31	8.30	ppb
Selenium	78-2	499.88	481.44	490.57	490.63	1.88	ppb
Selenium	82-1	512.75	499.20	511.65	507.87	1.48	ppb
Silicon	28-1	464.80	478.48	476.22	473.17	1.55	ppb
Silver	109-1	508.38	501.52	495.89	501.93	1.25	ppb
Silver	107-1	503.59	496.66	494.30	498.18	0.97	ppb
Sodium	23-2	257565.39	249770.80	251218.17	252851.45	1.64	ppb
Strontium	86-1	512.27	497.23	516.55	508.68	2.00	ppb
Strontium	88-1	514.79	505.52	513.77	511.36	0.99	ppb
Sulfur	34-1	11893.16	11570.41	11297.44	11587.00	2.57	ppb
Terbium	159-1				120		%
Terbium	159-2				113		%
Thallium	203-1	537.57	525.85	524.43	529.28	1.36	ppb
Thallium	205-1	529.52	518.07	521.72	523.10	1.12	ppb
Tin	118-1	518.45	513.19	513.18	514.94	0.59	ppb
Titanium	47-1	2602.48	2565.02	2559.89	2575.80	0.90	ppb
Uranium	238-1	531.75	521.05	536.67	529.83	1.51	ppb
Vanadium	51-2	528.17	508.77	508.31	515.09	2.20	ppb
Yttrium	89-1				117		%
Yttrium	89-2				109		%
Zinc	66-2	1027.49	1002.08	1007.03	1012.20	1.33	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV046	Instrumnet Name :	P8
Client Sample ID :	CCV046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:00:32	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	522.59	512.83	515.51	516.98	0.98	ppb
Zirconium	91-1	518.01	514.79	513.60	515.46	0.44	ppb

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : CCB046 Instrumnet Name : P8
 Client Sample ID : CCB046 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 15:07:17 DataFile Name : 022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.52	1.09	-0.56	0.01	14449.87	ppb
Antimony	121-1	0.05	0.07	0.07	0.06	13.57	ppb
Arsenic	75-2	-0.01	0.02	0.02	0.01	160.40	ppb
Barium	135-1	0.02	0.01	0.01	0.01	45.07	ppb
Barium	137-1	0.00	0.01	0.00	0.00	43.00	ppb
Beryllium	9-1	0.06	0.03	0.06	0.05	34.85	ppb
Bismuth	209-1				119		%
Bismuth	209-2				116		%
Boron	11-1	9.51	9.32	9.48	9.44	1.07	ppb
Boron	10-1	10.03	9.69	9.98	9.90	1.88	ppb
Cadmium	106-1	0.46	-0.74	-0.35	-0.21		ppb
Cadmium	108-1	0.03	0.10	0.00	0.04	111.61	ppb
Cadmium	111-1	0.03	-0.06	-0.02	-0.02		ppb
Calcium	43-1	-5.36	-7.44	-4.86	-5.89		ppb
Calcium	44-1	-2.65	-0.71	0.89	-0.82		ppb
Chromium	52-2	-0.18	-0.10	-0.14	-0.14		ppb
Cobalt	59-2	0.00	0.00	-0.01	0.00		ppb
Copper	63-2	0.19	0.16	0.08	0.14	37.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				113		%
Indium	115-1				114		%
Indium	115-2				110		%
Iron	56-2	-0.07	0.20	-0.11	0.01	2154.45	ppb
Iron	57-2	-0.66	-0.68	0.87	-0.16		ppb
Krypton	83-1						cps
Lead	207-1	0.14	0.17	0.14	0.15	12.21	ppb
Lead	208-1	0.16	0.20	0.16	0.17	13.72	ppb
Lead	206-1	0.15	0.21	0.16	0.17	18.23	ppb
Lithium	6-1				107		%
Magnesium	24-2	2.87	1.52	1.29	1.89	45.08	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCB046	Instrumnet Name :	P8
Client Sample ID :	CCB046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:07:17	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.04	-0.08	-0.09	-0.07		ppb
Molybdenum	94-1	0.06	0.08	0.05	0.06	21.67	ppb
Molybdenum	95-1	0.06	0.09	0.05	0.07	34.37	ppb
Molybdenum	96-1	0.04	0.08	0.06	0.06	33.72	ppb
Molybdenum	97-1	0.03	0.09	0.05	0.06	54.32	ppb
Molybdenum	98-1	0.06	0.07	0.05	0.06	14.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	0.01	-0.05	-0.02		ppb
Phosphorus	31-2	-9.73	-18.54	-35.92	-21.40		ppb
Potassium	39-2	26.72	39.74	17.00	27.82	41.01	ppb
Rhodium	103-1				113		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	77-2	2.54	0.00	0.00	0.85	173.21	ppb
Selenium	78-2	-1.01	-0.61	-1.01	-0.87		ppb
Selenium	82-1	-0.36	0.88	-0.01	0.17	377.69	ppb
Silicon	28-1	-13.41	-9.45	-9.02	-10.63		ppb
Silver	109-1	0.03	0.03	0.03	0.03	8.14	ppb
Silver	107-1	0.06	0.04	0.04	0.05	26.22	ppb
Sodium	23-2	77.47	87.99	78.89	81.45	7.01	ppb
Strontium	86-1	0.00	-0.02	0.08	0.02	277.85	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	2184.59	ppb
Sulfur	34-1	-3311.11	-2677.73	-2084.76	-2691.20		ppb
Terbium	159-1				117		%
Terbium	159-2				114		%
Thallium	203-1	0.07	0.09	0.07	0.08	14.31	ppb
Thallium	205-1	0.07	0.11	0.11	0.10	24.14	ppb
Tin	118-1	0.02	0.04	0.04	0.03	30.37	ppb
Titanium	47-1	0.03	0.10	0.02	0.05	82.54	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	0.00	-0.01	-0.01		ppb
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	0.10	0.14	0.30	0.18	59.50	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCB046	Instrumnet Name :	P8
Client Sample ID :	CCB046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:07:17	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.02	0.02	0.01	41.19	ppb
Zirconium	91-1	0.00	0.00	0.02	0.01	153.99	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:10:46	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.17	19.82	15.96	17.65	11.20	ppb
Antimony	121-1	1.92	1.91	1.92	1.92	0.47	ppb
Arsenic	75-2	0.95	0.79	1.00	0.91	12.12	ppb
Barium	135-1	9.90	9.51	10.28	9.89	3.89	ppb
Barium	137-1	9.94	9.38	9.87	9.73	3.14	ppb
Beryllium	9-1	1.06	0.94	1.08	1.03	7.59	ppb
Bismuth	209-1				120		%
Bismuth	209-2				117		%
Boron	11-1	27.33	28.06	28.80	28.06	2.61	ppb
Boron	10-1	26.63	27.37	31.06	28.35	8.38	ppb
Cadmium	106-1	1.15	0.56	2.39	1.37	68.34	ppb
Cadmium	108-1	0.87	1.04	0.90	0.94	9.86	ppb
Cadmium	111-1	0.86	0.89	1.11	0.96	14.20	ppb
Calcium	43-1	460.69	448.39	462.61	457.23	1.69	ppb
Calcium	44-1	464.50	451.84	468.62	461.65	1.89	ppb
Chromium	52-2	1.70	1.91	1.95	1.85	7.27	ppb
Cobalt	59-2	0.90	0.92	0.98	0.93	4.15	ppb
Copper	63-2	25.17	26.37	25.64	25.73	2.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				113		%
Indium	115-1				115		%
Indium	115-2				108		%
Iron	56-2	51.97	53.49	53.00	52.82	1.47	ppb
Iron	57-2	51.15	52.38	42.08	48.54	11.59	ppb
Krypton	83-1						cps
Lead	207-1	1.00	1.06	0.98	1.01	4.07	ppb
Lead	208-1	1.05	1.05	1.06	1.05	0.33	ppb
Lead	206-1	1.08	1.06	1.12	1.09	3.18	ppb
Lithium	6-1				106		%
Magnesium	24-2	492.15	529.39	521.53	514.36	3.82	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:10:46	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.09	0.95	0.81	0.95	14.98	ppb
Molybdenum	94-1	4.72	4.65	5.06	4.81	4.60	ppb
Molybdenum	95-1	4.69	5.01	5.04	4.91	3.97	ppb
Molybdenum	96-1	4.74	4.67	4.89	4.77	2.30	ppb
Molybdenum	97-1	5.02	4.76	4.89	4.89	2.63	ppb
Molybdenum	98-1	4.78	4.69	4.87	4.78	1.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.15	1.05	1.00	1.07	7.05	ppb
Phosphorus	31-2	-1.96	53.39	-0.70	16.91	186.87	ppb
Potassium	39-2	530.97	530.89	504.66	522.17	2.90	ppb
Rhodium	103-1				112		%
Rhodium	103-2				109		%
Scandium	45-1				110		%
Scandium	45-2				104		%
Selenium	77-2	12.39	7.74	5.08	8.40	43.97	ppb
Selenium	78-2	6.86	3.09	2.63	4.19	55.36	ppb
Selenium	82-1	4.89	4.43	5.56	4.96	11.49	ppb
Silicon	28-1	-2.32	-5.37	-1.75	-3.15		ppb
Silver	109-1	1.10	1.10	1.14	1.11	1.97	ppb
Silver	107-1	1.07	1.08	1.17	1.11	4.89	ppb
Sodium	23-2	561.28	590.86	571.63	574.59	2.61	ppb
Strontium	86-1	0.84	0.77	0.94	0.85	9.87	ppb
Strontium	88-1	0.83	0.84	0.87	0.84	2.78	ppb
Sulfur	34-1	-2587.84	-3257.14	-2263.11	-2702.70		ppb
Terbium	159-1				118		%
Terbium	159-2				114		%
Thallium	203-1	1.01	1.06	0.98	1.02	4.22	ppb
Thallium	205-1	1.03	0.99	1.04	1.02	2.86	ppb
Tin	118-1	5.01	4.84	5.20	5.02	3.59	ppb
Titanium	47-1	4.71	4.97	4.84	4.84	2.68	ppb
Uranium	238-1	0.91	0.91	0.92	0.91	0.19	ppb
Vanadium	51-2	4.84	5.30	5.05	5.06	4.49	ppb
Yttrium	89-1				114		%
Yttrium	89-2				107		%
Zinc	66-2	2.35	2.48	2.04	2.29	9.99	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:10:46	DataFile Name :	023LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.89	0.86	0.97	0.91	6.54	ppb
Zirconium	91-1	0.94	0.90	0.87	0.91	3.86	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	K1792-04DLX2	Instrumnet Name :	P8
Client Sample ID :	MC0959	Dilution Factor :	2
Date & Time Acquired ::	2019-03-15 15:14:15	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.09	0.52	2.23	1.28	67.85	ppb
Antimony	121-1	0.27	0.40	0.35	0.34	19.38	ppb
Arsenic	75-2	0.24	0.26	0.25	0.25	4.45	ppb
Barium	135-1	43.63	58.13	52.83	51.53	14.24	ppb
Barium	137-1	44.21	57.90	53.12	51.74	13.43	ppb
Beryllium	9-1	0.04	0.05	0.03	0.04	27.29	ppb
Bismuth	209-1				97		%
Bismuth	209-2				101		%
Boron	11-1	27.37	36.28	31.32	31.66	14.09	ppb
Boron	10-1	27.05	35.58	32.39	31.67	13.61	ppb
Cadmium	106-1	-0.02	2.13	-0.73	0.46	322.68	ppb
Cadmium	108-1	0.13	0.11	0.02	0.09	72.84	ppb
Cadmium	111-1	0.00	0.16	-0.03	0.04	237.37	ppb
Calcium	43-1	303707.19	404886.51	371941.19	360178.30	14.33	ppb
Calcium	44-1	307653.54	405625.63	369329.44	360869.54	13.73	ppb
Chromium	52-2	607.13	587.60	603.53	599.42	1.73	ppb
Cobalt	59-2	0.33	0.29	0.26	0.29	11.01	ppb
Copper	63-2	2.49	2.65	2.56	2.57	2.98	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				105		%
Indium	115-1				99		%
Indium	115-2				105		%
Iron	56-2	3.10	3.40	3.30	3.27	4.70	ppb
Iron	57-2	12.85	7.88	11.58	10.77	23.97	ppb
Krypton	83-1						cps
Lead	207-1	0.15	0.24	0.18	0.19	22.64	ppb
Lead	208-1	0.16	0.22	0.16	0.18	18.23	ppb
Lead	206-1	0.16	0.22	0.16	0.18	18.55	ppb
Lithium	6-1				97		%
Magnesium	24-2	87976.32	85899.53	87638.77	87171.54	1.28	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	K1792-04DLX2	Instrumnet Name :	P8
Client Sample ID :	MC0959	Dilution Factor :	2
Date & Time Acquired ::	2019-03-15 15:14:15	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.21	0.35	0.39	0.32	28.82	ppb
Molybdenum	94-1	3.44	4.53	4.17	4.05	13.73	ppb
Molybdenum	95-1	4.58	6.38	5.54	5.50	16.34	ppb
Molybdenum	96-1	4.68	6.11	5.38	5.39	13.28	ppb
Molybdenum	97-1	5.05	6.23	5.78	5.69	10.52	ppb
Molybdenum	98-1	4.80	6.36	5.89	5.68	14.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.74	14.40	15.30	15.15	4.50	ppb
Phosphorus	31-2	-1.24	-44.51	-44.51	-30.09		ppb
Potassium	39-2	2534.62	2383.05	2468.43	2462.03	3.09	ppb
Rhodium	103-1				94		%
Rhodium	103-2				101		%
Scandium	45-1				98		%
Scandium	45-2				106		%
Selenium	77-2	2.59	2.58	5.14	3.44	42.88	ppb
Selenium	78-2	0.64	0.23	1.03	0.63	63.61	ppb
Selenium	82-1	0.79	2.18	1.75	1.58	45.07	ppb
Silicon	28-1	273.99	399.92	365.97	346.63	18.80	ppb
Silver	109-1	0.21	0.32	0.31	0.28	20.93	ppb
Silver	107-1	0.22	0.33	0.31	0.29	20.74	ppb
Sodium	23-2	42715.23	41284.66	42248.70	42082.86	1.73	ppb
Strontium	86-1	312.77	417.23	368.31	366.10	14.28	ppb
Strontium	88-1	318.53	417.60	373.88	370.00	13.42	ppb
Sulfur	34-1	57464.29	83163.87	74141.82	71589.99	18.21	ppb
Terbium	159-1				100		%
Terbium	159-2				106		%
Thallium	203-1	0.03	0.06	0.00	0.03	91.71	ppb
Thallium	205-1	0.02	0.05	0.01	0.03	85.38	ppb
Tin	118-1	0.09	0.16	0.13	0.13	26.49	ppb
Titanium	47-1	0.16	0.25	0.18	0.20	24.13	ppb
Uranium	238-1	0.10	0.14	0.13	0.12	14.41	ppb
Vanadium	51-2	0.70	0.71	0.69	0.70	1.56	ppb
Yttrium	89-1				99		%
Yttrium	89-2				105		%
Zinc	66-2	0.59	0.62	0.78	0.67	15.65	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	K1792-04DLX2	Instrumnet Name :	P8
Client Sample ID :	MC0959	Dilution Factor :	2
Date & Time Acquired ::	2019-03-15 15:14:15	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.04	0.08	0.07	0.06	29.59	ppb
Zirconium	91-1	0.03	0.06	0.05	0.04	33.31	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV047	Instrumnet Name :	P8
Client Sample ID :	CCV047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:18:51	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53306.96	53466.76	53465.56	53413.09	0.17	ppb
Antimony	121-1	504.46	525.87	506.92	512.42	2.29	ppb
Arsenic	75-2	515.61	506.86	509.10	510.52	0.89	ppb
Barium	135-1	2568.09	2633.30	2564.24	2588.54	1.50	ppb
Barium	137-1	2531.55	2591.15	2558.71	2560.47	1.17	ppb
Beryllium	9-1	517.80	526.23	525.40	523.15	0.89	ppb
Bismuth	209-1				115		%
Bismuth	209-2				109		%
Boron	11-1	485.21	510.94	515.39	503.85	3.23	ppb
Boron	10-1	500.77	518.36	531.29	516.81	2.96	ppb
Cadmium	106-1	495.25	516.54	504.73	505.50	2.11	ppb
Cadmium	108-1	509.63	515.92	511.01	512.19	0.65	ppb
Cadmium	111-1	489.13	504.23	496.69	496.68	1.52	ppb
Calcium	43-1	234064.40	243365.08	233346.30	236925.26	2.36	ppb
Calcium	44-1	234419.91	243122.23	233527.93	237023.35	2.24	ppb
Chromium	52-2	515.91	513.20	514.48	514.53	0.26	ppb
Cobalt	59-2	507.22	504.03	504.24	505.16	0.35	ppb
Copper	63-2	1002.48	1021.35	1001.87	1008.57	1.10	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				121		%
Holmium	165-2				113		%
Indium	115-1				112		%
Indium	115-2				107		%
Iron	56-2	128139.81	126530.35	127767.19	127479.12	0.66	ppb
Iron	57-2	130384.64	129953.61	129931.27	130089.84	0.20	ppb
Krypton	83-1						cps
Lead	207-1	512.92	533.50	502.42	516.28	3.06	ppb
Lead	208-1	521.20	533.37	513.27	522.61	1.94	ppb
Lead	206-1	517.59	526.67	513.70	519.32	1.28	ppb
Lithium	6-1				106		%
Magnesium	24-2	252744.33	251157.63	251411.05	251771.00	0.34	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV047	Instrumnet Name :	P8
Client Sample ID :	CCV047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:18:51	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1040.80	1024.05	1032.44	1032.43	0.81	ppb
Molybdenum	94-1	2515.89	2618.80	2515.37	2550.02	2.34	ppb
Molybdenum	95-1	2523.23	2660.66	2535.70	2573.20	2.95	ppb
Molybdenum	96-1	2528.98	2658.61	2514.78	2567.46	3.09	ppb
Molybdenum	97-1	2528.70	2647.65	2542.93	2573.09	2.52	ppb
Molybdenum	98-1	2527.12	2661.71	2529.73	2572.85	2.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	503.36	503.84	502.69	503.30	0.12	ppb
Phosphorus	31-2	10381.32	10497.79	10769.48	10549.53	1.89	ppb
Potassium	39-2	126222.89	126066.89	127107.98	126465.92	0.44	ppb
Rhodium	103-1				109		%
Rhodium	103-2				104		%
Scandium	45-1				113		%
Scandium	45-2				108		%
Selenium	77-2	528.11	489.67	526.88	514.89	4.24	ppb
Selenium	78-2	494.76	523.58	508.61	508.98	2.83	ppb
Selenium	82-1	498.41	524.48	500.35	507.75	2.86	ppb
Silicon	28-1	463.54	488.56	461.39	471.17	3.21	ppb
Silver	109-1	503.67	508.61	508.21	506.83	0.54	ppb
Silver	107-1	495.79	508.15	501.03	501.65	1.24	ppb
Sodium	23-2	253863.25	251537.94	254648.97	253350.06	0.64	ppb
Strontium	86-1	515.76	527.69	501.94	515.13	2.50	ppb
Strontium	88-1	505.87	525.00	502.80	511.22	2.35	ppb
Sulfur	34-1	11784.78	13045.73	11602.48	12144.33	6.47	ppb
Terbium	159-1				119		%
Terbium	159-2				114		%
Thallium	203-1	519.11	541.08	511.27	523.82	2.95	ppb
Thallium	205-1	513.86	538.89	511.78	521.51	2.89	ppb
Tin	118-1	516.34	533.08	516.86	522.09	1.82	ppb
Titanium	47-1	2498.17	2633.57	2477.07	2536.27	3.35	ppb
Uranium	238-1	520.51	533.79	519.98	524.76	1.49	ppb
Vanadium	51-2	512.86	513.65	517.22	514.58	0.45	ppb
Yttrium	89-1				116		%
Yttrium	89-2				109		%
Zinc	66-2	1011.13	1003.78	1021.34	1012.09	0.87	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV047	Instrumnet Name :	P8
Client Sample ID :	CCV047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:18:51	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	506.32	527.72	511.92	515.32	2.15	ppb
Zirconium	91-1	512.12	537.17	506.71	518.67	3.13	ppb

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : CCB047 Instrumnet Name : P8
 Client Sample ID : CCB047 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 15:22:06 DataFile Name : 026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.45	-1.28	-0.68	-0.17		ppb
Antimony	121-1	0.19	0.25	0.22	0.22	14.10	ppb
Arsenic	75-2	0.04	0.15	0.00	0.06	124.30	ppb
Barium	135-1	0.02	-0.01	0.03	0.02	130.00	ppb
Barium	137-1	0.01	0.00	0.02	0.01	99.48	ppb
Beryllium	9-1	0.12	0.08	0.07	0.09	28.81	ppb
Bismuth	209-1				123		%
Bismuth	209-2				113		%
Boron	11-1	17.05	17.24	16.54	16.94	2.14	ppb
Boron	10-1	18.10	17.17	15.43	16.90	8.00	ppb
Cadmium	106-1	-0.08	0.64	0.34	0.30	121.71	ppb
Cadmium	108-1	0.03	0.03	0.00	0.02	76.65	ppb
Cadmium	111-1	0.00	0.06	0.03	0.03	87.06	ppb
Calcium	43-1	-8.76	-6.94	-6.99	-7.56		ppb
Calcium	44-1	-4.55	-1.56	-1.39	-2.50		ppb
Chromium	52-2	0.04	-0.16	-0.10	-0.07		ppb
Cobalt	59-2	-0.02	-0.01	-0.04	-0.02		ppb
Copper	63-2	0.25	0.25	0.18	0.23	17.65	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				121		%
Holmium	165-2				110		%
Indium	115-1				117		%
Indium	115-2				107		%
Iron	56-2	1.80	1.73	1.07	1.54	26.53	ppb
Iron	57-2	0.28	-0.31	3.71	1.23	177.11	ppb
Krypton	83-1						cps
Lead	207-1	0.26	0.27	0.29	0.27	5.57	ppb
Lead	208-1	0.24	0.26	0.24	0.25	4.40	ppb
Lead	206-1	0.21	0.25	0.20	0.22	9.71	ppb
Lithium	6-1				111		%
Magnesium	24-2	4.15	4.55	3.82	4.17	8.69	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCB047	Instrumnet Name :	P8
Client Sample ID :	CCB047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:22:06	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.07	-0.01	-0.03	-0.04		ppb
Molybdenum	94-1	0.19	0.21	0.21	0.20	6.53	ppb
Molybdenum	95-1	0.17	0.18	0.15	0.17	9.59	ppb
Molybdenum	96-1	0.21	0.16	0.16	0.18	15.06	ppb
Molybdenum	97-1	0.20	0.16	0.15	0.17	15.78	ppb
Molybdenum	98-1	0.16	0.16	0.16	0.16	0.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.03	-0.02	0.00		ppb
Phosphorus	31-2	-35.61	-35.68	-18.13	-29.81		ppb
Potassium	39-2	64.33	51.64	52.81	56.26	12.47	ppb
Rhodium	103-1				115		%
Rhodium	103-2				107		%
Scandium	45-1				112		%
Scandium	45-2				102		%
Selenium	77-2	0.00	2.58	0.00	0.86	173.21	ppb
Selenium	78-2	-0.18	0.23	-0.19	-0.05		ppb
Selenium	82-1	0.89	-0.57	-0.25	0.02	3104.87	ppb
Silicon	28-1	-15.54	-10.45	-9.54	-11.84		ppb
Silver	109-1	0.05	0.06	0.06	0.06	12.20	ppb
Silver	107-1	0.06	0.04	0.06	0.05	17.93	ppb
Sodium	23-2	106.80	102.63	103.30	104.24	2.15	ppb
Strontium	86-1	-0.08	0.04	0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	0.01	0.00	43.75	ppb
Sulfur	34-1	-3712.13	-2399.55	-2329.66	-2813.78		ppb
Terbium	159-1				119		%
Terbium	159-2				110		%
Thallium	203-1	0.03	0.04	0.02	0.03	25.06	ppb
Thallium	205-1	0.04	0.03	0.04	0.03	19.99	ppb
Tin	118-1	0.05	0.08	0.09	0.07	25.03	ppb
Titanium	47-1	-0.03	0.01	0.08	0.02	300.90	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	74.16	ppb
Vanadium	51-2	0.00	0.00	-0.01	0.00		ppb
Yttrium	89-1				117		%
Yttrium	89-2				105		%
Zinc	66-2	0.05	0.15	0.23	0.14	61.39	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCB047	Instrumnet Name :	P8
Client Sample ID :	CCB047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:22:06	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.03	0.03	0.03	4.36	ppb
Zirconium	91-1	0.03	0.02	0.03	0.02	15.67	ppb

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:51:00	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58	35	55	49	25.08	cps
Antimony	121-1	92	67	83	81	15.80	cps
Arsenic	75-2	9	4	7	7	41.70	cps
Barium	135-1	8	25	17	17	50.01	cps
Barium	137-1	33	33	58	42	34.65	cps
Beryllium	9-1	47	77	67	63	24.12	cps
Bismuth	209-1	3083605	3133820	3053772	3090399	1.31	cps
Bismuth	209-2	1297190	1328503	1365813	1330502	2.58	cps
Boron	11-1	1709	1575	1617	1634	4.18	cps
Boron	10-1	308	342	375	342	9.76	cps
Cadmium	106-1	1308	1117	1267	1231	8.19	cps
Cadmium	108-1	8	4	8	7	34.59	cps
Cadmium	111-1	923	787	881	864	8.03	cps
Calcium	43-1	700	687	750	712	4.69	cps
Calcium	44-1	29251	29525	28486	29087	1.85	cps
Chromium	52-2	1603	1700	1610	1638	3.30	cps
Cobalt	59-2	190	193	213	199	6.35	cps
Copper	63-2	503	517	477	499	4.08	cps
Dysprosium	156-1	33	25	17	25	33.32	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	25	8	33	22	57.29	cps
Erbium	164-2	17	0	10	9	94.38	cps
Gadolinium	160-1	75	50	42	56	31.22	cps
Gadolinium	160-2	3	0	7	3	100.05	cps
Holmium	165-1	5238767	5406890	5325732	5323796	1.58	cps
Holmium	165-2	1858357	1920359	1934551	1904422	2.13	cps
Indium	115-1	5164699	5231705	5097752	5164719	1.30	cps
Indium	115-2	388583	400817	414214	401205	3.20	cps
Iron	56-2	3156	3056	3150	3121	1.80	cps
Iron	57-2	106	89	133	109	20.55	cps
Krypton	83-1	937	993	900	943	4.99	cps
Lead	207-1	217	167	172	185	14.80	cps
Lead	208-1	928	856	817	867	6.51	cps
Lead	206-1	200	272	189	220	20.53	cps
Lithium	6-1	1359929	1376777	1348399	1361702	1.05	cps
Magnesium	24-2	492	433	400	442	10.50	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:51:00	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	83	100	107	97	12.44	cps
Molybdenum	94-1	150	183	167	167	10.00	cps
Molybdenum	95-1	42	25	17	28	45.82	cps
Molybdenum	96-1	42	125	75	81	52.07	cps
Molybdenum	97-1	67	50	100	72	35.26	cps
Molybdenum	98-1	67	58	50	58	14.29	cps
Neodymium	150-1	7	20	7	11	69.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	90	80	70	80	12.50	cps
Phosphorus	31-2	25	17	17	19	24.73	cps
Potassium	39-2	5893	5351	5768	5671	5.00	cps
Rhodium	103-1	5009287	5181191	5012451	5067643	1.94	cps
Rhodium	103-2	1850476	1891702	1959001	1900393	2.88	cps
Scandium	45-1	3957166	4029931	3919981	3969026	1.41	cps
Scandium	45-2	53294	55211	55887	54797	2.45	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	4	4	4	24.86	cps
Selenium	82-1	-12	-59	93	7	1065.56	cps
Silicon	28-1	432513	436885	434005	434468	0.51	cps
Silver	109-1	158	83	108	117	32.73	cps
Silver	107-1	192	117	108	139	33.05	cps
Sodium	23-2	7252	7160	7069	7160	1.28	cps
Strontium	86-1	1442	1308	1558	1436	8.71	cps
Strontium	88-1	83	92	117	97	17.84	cps
Sulfur	34-1	504659	505461	508926	506349	0.45	cps
Terbium	159-1	5686572	5729510	5574131	5663404	1.42	cps
Terbium	159-2	1834829	1883336	1916993	1878386	2.20	cps
Thallium	203-1	425	342	233	333	28.83	cps
Thallium	205-1	683	700	883	756	14.69	cps
Tin	118-1	308	342	358	336	7.58	cps
Titanium	47-1	175	100	133	136	27.61	cps
Uranium	238-1	50	50	33	44	21.66	cps
Vanadium	51-2	23	17	20	20	16.65	cps
Yttrium	89-1	5953207	6112747	5960461	6008805	1.50	cps
Yttrium	89-2	317278	324427	334913	325539	2.72	cps
Zinc	66-2	23	33	50	36	37.90	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S00	Instrumnet Name :	P8
Client Sample ID :	S00	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:51:00	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	458	342	417	406	14.58	cps
Zirconium	91-1	58	117	92	89	32.92	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : S02 Instrumnet Name : P8
 Client Sample ID : S02 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 13:58:43 DataFile Name : 005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	310	305	285	300	4.41	cps
Antimony	121-1	12823	13282	13032	13046	1.76	cps
Arsenic	75-2	181	146	148	159	12.48	cps
Barium	135-1	13316	13074	13291	13227	1.01	cps
Barium	137-1	23313	23138	24006	23486	1.96	cps
Beryllium	9-1	1657	1653	1703	1671	1.67	cps
Bismuth	209-1	3098227	3078289	3129635	3102050	0.83	cps
Bismuth	209-2	1352537	1393616	1391890	1379348	1.68	cps
Boron	11-1	23662	25365	25707	24911	4.40	cps
Boron	10-1	4993	5151	5210	5118	2.19	cps
Cadmium	106-1	1425	1375	1367	1389	2.27	cps
Cadmium	108-1	146	158	171	158	7.89	cps
Cadmium	111-1	2462	2373	2316	2384	3.09	cps
Calcium	43-1	10301	9924	10354	10193	2.30	cps
Calcium	44-1	186862	185475	184931	185756	0.54	cps
Chromium	52-2	4074	3877	3994	3982	2.48	cps
Cobalt	59-2	2370	2527	2497	2465	3.37	cps
Copper	63-2	4187	4147	4164	4166	0.48	cps
Dysprosium	156-1	17	25	50	31	56.77	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	33	25	8	22	57.29	cps
Erbium	164-2	0	3	7	3	100.05	cps
Gadolinium	160-1	67	42	33	47	36.74	cps
Gadolinium	160-2	10	10	3	8	49.52	cps
Holmium	165-1	5449389	5361892	5491550	5434277	1.22	cps
Holmium	165-2	1916512	1963349	1952295	1944052	1.26	cps
Indium	115-1	5206599	5260002	5363937	5276846	1.52	cps
Indium	115-2	415112	420861	418652	418208	0.69	cps
Iron	56-2	45358	43953	45435	44915	1.86	cps
Iron	57-2	1061	1167	1061	1096	5.56	cps
Krypton	83-1	950	977	977	968	1.59	cps
Lead	207-1	2878	2917	2445	2747	9.55	cps
Lead	208-1	13047	13320	12264	12877	4.26	cps
Lead	206-1	3345	3378	2967	3230	7.07	cps
Lithium	6-1	1384294	1379953	1400456	1388234	0.78	cps
Magnesium	24-2	25115	26225	25708	25683	2.16	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:58:43	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	503	420	467	463	9.01	cps
Molybdenum	94-1	12590	12189	12106	12295	2.10	cps
Molybdenum	95-1	16194	15609	15835	15879	1.86	cps
Molybdenum	96-1	16819	17437	17353	17203	1.95	cps
Molybdenum	97-1	9904	9570	9612	9696	1.87	cps
Molybdenum	98-1	26485	24916	25108	25503	3.36	cps
Neodymium	150-1	20	0	27	16	89.22	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	700	760	737	732	4.13	cps
Phosphorus	31-2	58	67	67	64	7.53	cps
Potassium	39-2	20674	21158	21709	21181	2.44	cps
Rhodium	103-1	5139488	5172046	5191982	5167839	0.51	cps
Rhodium	103-2	1951770	1956730	1957223	1955241	0.15	cps
Scandium	45-1	4002152	4091433	4067735	4053773	1.14	cps
Scandium	45-2	55486	56747	56122	56118	1.12	cps
Selenium	77-2	0	13	10	8	89.21	cps
Selenium	78-2	24	30	28	27	10.42	cps
Selenium	82-1	553	521	589	554	6.13	cps
Silicon	28-1	481299	481391	484601	482431	0.39	cps
Silver	109-1	7653	8636	8078	8122	6.08	cps
Silver	107-1	8461	8028	8928	8473	5.32	cps
Sodium	23-2	63283	64363	63233	63626	1.00	cps
Strontium	86-1	3326	3434	3276	3345	2.42	cps
Strontium	88-1	17670	16978	15960	16870	5.10	cps
Sulfur	34-1	506282	508597	507152	507343	0.23	cps
Terbium	159-1	5735547	5678606	5879573	5764576	1.80	cps
Terbium	159-2	1921356	1904993	1945667	1924005	1.06	cps
Thallium	203-1	4293	4009	3792	4031	6.22	cps
Thallium	205-1	9446	9262	9295	9334	1.05	cps
Tin	118-1	23680	23897	23739	23772	0.47	cps
Titanium	47-1	4893	5001	4659	4851	3.60	cps
Uranium	238-1	10688	10572	10855	10705	1.33	cps
Vanadium	51-2	4724	4624	4624	4658	1.24	cps
Yttrium	89-1	6194814	6067499	6220883	6161065	1.33	cps
Yttrium	89-2	331118	337812	335219	334716	1.01	cps
Zinc	66-2	440	453	403	432	5.99	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S02	Instrumnet Name :	P8
Client Sample ID :	S02	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 13:58:43	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	9479	9596	9537	9537	0.61	cps
Zirconium	91-1	2425	2242	2125	2264	6.68	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : S03 Instrumnet Name : P8
 Client Sample ID : S03 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:02:35 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	12121	12233	12141	12165	0.49	cps
Antimony	121-1	360897	362542	364062	362500	0.44	cps
Arsenic	75-2	8221	8277	8297	8265	0.48	cps
Barium	135-1	358820	359659	356580	358353	0.44	cps
Barium	137-1	615615	625933	628518	623355	1.10	cps
Beryllium	9-1	91518	90790	91908	91405	0.62	cps
Bismuth	209-1	3205281	3232837	3091548	3176555	2.36	cps
Bismuth	209-2	1412270	1430916	1432143	1425110	0.78	cps
Boron	11-1	49545	51368	52003	50972	2.50	cps
Boron	10-1	10879	10654	10955	10829	1.44	cps
Cadmium	106-1	9887	9879	9946	9904	0.37	cps
Cadmium	108-1	6227	6089	6152	6156	1.12	cps
Cadmium	111-1	83722	85816	84788	84776	1.24	cps
Calcium	43-1	104796	103517	104615	104309	0.66	cps
Calcium	44-1	1752297	1735636	1766271	1751401	0.88	cps
Chromium	52-2	63842	63955	63758	63852	0.15	cps
Cobalt	59-2	122529	120670	121500	121567	0.77	cps
Copper	63-2	198151	195724	194617	196164	0.92	cps
Dysprosium	156-1	50	17	25	31	56.77	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	33	17	42	31	41.66	cps
Erbium	164-2	3	0	7	3	100.05	cps
Gadolinium	160-1	50	117	17	61	83.32	cps
Gadolinium	160-2	7	13	3	8	65.47	cps
Holmium	165-1	5774804	5658700	5430813	5621439	3.11	cps
Holmium	165-2	2004988	2016649	2017556	2013064	0.35	cps
Indium	115-1	5488397	5514310	5253262	5418656	2.65	cps
Indium	115-2	419476	421708	423346	421510	0.46	cps
Iron	56-2	2163641	2186939	2164296	2171626	0.61	cps
Iron	57-2	53899	52360	52811	53023	1.49	cps
Krypton	83-1	987	937	923	949	3.52	cps
Lead	207-1	149101	148954	149355	149137	0.14	cps
Lead	208-1	669103	667621	671067	669264	0.26	cps
Lead	206-1	165357	163222	166261	164947	0.95	cps
Lithium	6-1	1412593	1416469	1377516	1402193	1.53	cps
Magnesium	24-2	265838	262853	265577	264756	0.62	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:02:35	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	39951	39817	39533	39767	0.54	cps
Molybdenum	94-1	697720	684204	684318	688747	1.13	cps
Molybdenum	95-1	864949	858635	852439	858674	0.73	cps
Molybdenum	96-1	950032	948303	954307	950881	0.33	cps
Molybdenum	97-1	533034	535635	533522	534064	0.26	cps
Molybdenum	98-1	1389331	1370341	1382063	1380578	0.69	cps
Neodymium	150-1	13	53	20	29	74.20	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	34947	35128	35031	35035	0.26	cps
Phosphorus	31-2	975	1000	767	914	14.02	cps
Potassium	39-2	88595	87866	88529	88330	0.46	cps
Rhodium	103-1	5360919	5301770	5047579	5236756	3.18	cps
Rhodium	103-2	1975734	1975275	1967667	1972892	0.23	cps
Scandium	45-1	4184878	4137715	3932721	4085104	3.28	cps
Scandium	45-2	57437	56463	56229	56710	1.13	cps
Selenium	77-2	90	60	67	72	21.81	cps
Selenium	78-2	254	244	194	231	13.81	cps
Selenium	82-1	6086	5989	6065	6046	0.84	cps
Silicon	28-1	707579	707553	711363	708832	0.31	cps
Silver	109-1	380141	379691	383922	381252	0.61	cps
Silver	107-1	403508	401339	404391	403079	0.39	cps
Sodium	23-2	628366	621780	622105	624084	0.59	cps
Strontium	86-1	125987	124825	129670	126827	1.99	cps
Strontium	88-1	1053625	1061909	1064116	1059883	0.52	cps
Sulfur	34-1	535164	531858	534633	533885	0.33	cps
Terbium	159-1	5968736	6050512	5760561	5926603	2.52	cps
Terbium	159-2	1972453	1984416	1972609	1976493	0.35	cps
Thallium	203-1	210073	206055	211648	209259	1.38	cps
Thallium	205-1	497082	488071	494409	493187	0.94	cps
Tin	118-1	241987	240927	244005	242306	0.65	cps
Titanium	47-1	259583	253076	257035	256565	1.28	cps
Uranium	238-1	595746	607027	598850	600541	0.97	cps
Vanadium	51-2	47898	47384	47704	47662	0.55	cps
Yttrium	89-1	6379267	6424929	6158282	6320826	2.26	cps
Yttrium	89-2	340709	338383	341585	340226	0.49	cps
Zinc	66-2	21250	21667	21564	21494	1.01	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S03	Instrumnet Name :	P8
Client Sample ID :	S03	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:02:35	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	563727	560932	568917	564525	0.72	cps
Zirconium	91-1	122844	123194	122473	122837	0.29	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : S04 Instrumnet Name : P8
 Client Sample ID : S04 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:06:25 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30358	30703	30751	30604	0.70	cps
Antimony	121-1	935943	946806	953043	945264	0.92	cps
Arsenic	75-2	21092	20580	21120	20931	1.45	cps
Barium	135-1	928223	936251	940785	935086	0.68	cps
Barium	137-1	1616187	1663322	1674852	1651454	1.88	cps
Beryllium	9-1	232491	231957	233105	232518	0.25	cps
Bismuth	209-1	3313660	3344230	3248933	3302274	1.47	cps
Bismuth	209-2	1610594	1616838	1294134	1507189	12.24	cps
Boron	11-1	129581	129588	134172	131114	2.02	cps
Boron	10-1	26985	26166	28562	27238	4.47	cps
Cadmium	106-1	24983	23571	24598	24384	2.99	cps
Cadmium	108-1	16089	15872	15584	15848	1.60	cps
Cadmium	111-1	221027	223570	222464	222354	0.57	cps
Calcium	43-1	268564	269268	268328	268720	0.18	cps
Calcium	44-1	4401659	4386437	4416370	4401489	0.34	cps
Chromium	52-2	159881	158765	160912	159853	0.67	cps
Cobalt	59-2	305938	307695	311247	308293	0.88	cps
Copper	63-2	495954	496360	503718	498678	0.88	cps
Dysprosium	156-1	42	8	17	22	78.07	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	50	42	33	42	20.00	cps
Erbium	164-2	3	10	10	8	49.52	cps
Gadolinium	160-1	33	8	67	36	81.06	cps
Gadolinium	160-2	17	17	3	12	63.01	cps
Holmium	165-1	5828058	5867120	5677531	5790903	1.73	cps
Holmium	165-2	2246591	2236367	1812054	2098337	11.82	cps
Indium	115-1	5494004	5493051	5358379	5448478	1.43	cps
Indium	115-2	464873	465647	374342	434954	12.07	cps
Iron	56-2	5396639	5371253	5467926	5411939	0.93	cps
Iron	57-2	134818	135795	137320	135977	0.93	cps
Krypton	83-1	977	943	997	972	2.77	cps
Lead	207-1	388531	390306	392105	390314	0.46	cps
Lead	208-1	1759142	1767455	1786696	1771098	0.80	cps
Lead	206-1	433104	437857	441377	437446	0.95	cps
Lithium	6-1	1407506	1404393	1389808	1400569	0.67	cps
Magnesium	24-2	659044	657931	673499	663491	1.31	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:06:25	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	99199	99162	99635	99332	0.27	cps
Molybdenum	94-1	1806707	1818704	1810053	1811822	0.34	cps
Molybdenum	95-1	2240517	2271351	2260897	2257588	0.69	cps
Molybdenum	96-1	2528185	2505310	2484352	2505949	0.87	cps
Molybdenum	97-1	1398432	1431153	1387490	1405692	1.62	cps
Molybdenum	98-1	3601531	3605768	3591002	3599434	0.21	cps
Neodymium	150-1	33	67	27	42	50.76	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	86913	86745	88217	87291	0.92	cps
Phosphorus	31-2	2500	2425	2459	2461	1.53	cps
Potassium	39-2	212429	211905	215889	213407	1.01	cps
Rhodium	103-1	5348915	5334419	5172015	5285116	1.86	cps
Rhodium	103-2	2160199	2180254	1760516	2033656	11.64	cps
Scandium	45-1	4268897	4137357	4062930	4156395	2.51	cps
Scandium	45-2	62165	61850	49942	57986	12.02	cps
Selenium	77-2	197	190	187	191	2.66	cps
Selenium	78-2	630	591	639	620	4.12	cps
Selenium	82-1	15213	15487	15183	15295	1.10	cps
Silicon	28-1	1025610	1031305	1043267	1033394	0.87	cps
Silver	109-1	974318	1000216	996358	990297	1.41	cps
Silver	107-1	1030388	1039544	1053985	1041306	1.14	cps
Sodium	23-2	1574091	1592716	1592369	1586392	0.67	cps
Strontium	86-1	322768	322404	326439	323871	0.69	cps
Strontium	88-1	2777242	2782522	2757201	2772322	0.48	cps
Sulfur	34-1	572169	567959	571763	570630	0.41	cps
Terbium	159-1	6141227	6053964	6045297	6080163	0.87	cps
Terbium	159-2	2218762	2219714	1784608	2074361	12.10	cps
Thallium	203-1	548541	564565	557773	556959	1.44	cps
Thallium	205-1	1290717	1333056	1312958	1312244	1.61	cps
Tin	118-1	629862	638485	634606	634318	0.68	cps
Titanium	47-1	668751	662747	665476	665658	0.45	cps
Uranium	238-1	1613475	1646071	1639313	1632953	1.05	cps
Vanadium	51-2	119658	119491	120120	119756	0.27	cps
Yttrium	89-1	6500270	6488080	6241760	6410037	2.28	cps
Yttrium	89-2	373032	372127	306311	350490	10.92	cps
Zinc	66-2	53814	53556	55501	54290	1.95	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S04	Instrumnet Name :	P8
Client Sample ID :	S04	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:06:25	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1502531	1530719	1517402	1516884	0.93	cps
Zirconium	91-1	326186	328987	327646	327606	0.43	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : S05 Instrumnet Name : P8
 Client Sample ID : S05 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:10:08 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60827	61326	60101	60751	1.01	cps
Antimony	121-1	1975202	1975557	1967285	1972681	0.24	cps
Arsenic	75-2	41984	42004	41663	41884	0.46	cps
Barium	135-1	1892091	1939979	1893194	1908421	1.43	cps
Barium	137-1	3334672	3401597	3281080	3339116	1.81	cps
Beryllium	9-1	462407	470336	458786	463843	1.27	cps
Bismuth	209-1	3491249	2968747	3459928	3306641	8.86	cps
Bismuth	209-2	1495492	1487421	1494089	1492334	0.29	cps
Boron	11-1	254844	264432	260221	259832	1.85	cps
Boron	10-1	53024	54463	54990	54159	1.88	cps
Cadmium	106-1	45896	48982	46414	47097	3.51	cps
Cadmium	108-1	32260	31679	32063	32001	0.92	cps
Cadmium	111-1	443213	451684	444187	446361	1.04	cps
Calcium	43-1	537471	546050	535557	539693	1.04	cps
Calcium	44-1	8706157	8830265	8574218	8703547	1.47	cps
Chromium	52-2	317978	315711	316402	316697	0.37	cps
Cobalt	59-2	617163	617644	613197	616001	0.40	cps
Copper	63-2	991107	989545	989286	989979	0.10	cps
Dysprosium	156-1	25	42	25	31	31.50	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	25	0	17	14	91.65	cps
Erbium	164-2	13	10	7	10	33.30	cps
Gadolinium	160-1	75	58	33	56	37.75	cps
Gadolinium	160-2	13	10	17	13	25.01	cps
Holmium	165-1	6118476	5122371	6055871	5765572	9.68	cps
Holmium	165-2	2099143	2087203	2079401	2088582	0.48	cps
Indium	115-1	5689204	4749731	5800816	5413250	10.67	cps
Indium	115-2	427033	422076	425849	424986	0.61	cps
Iron	56-2	10795574	10711759	10756020	10754451	0.39	cps
Iron	57-2	272200	269520	267356	269692	0.90	cps
Krypton	83-1	1037	1100	1007	1048	4.55	cps
Lead	207-1	805364	812142	822488	813331	1.06	cps
Lead	208-1	3673363	3715451	3722026	3703613	0.71	cps
Lead	206-1	891220	900814	902999	898344	0.70	cps
Lithium	6-1	1428936	1264662	1445393	1379664	7.24	cps
Magnesium	24-2	1358586	1349437	1341433	1349819	0.64	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:10:08	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	199763	197126	197325	198071	0.74	cps
Molybdenum	94-1	3668444	3685144	3571924	3641837	1.68	cps
Molybdenum	95-1	4559768	4612487	4484226	4552160	1.42	cps
Molybdenum	96-1	5060299	5100528	4988079	5049635	1.13	cps
Molybdenum	97-1	2858343	2906151	2767462	2843986	2.48	cps
Molybdenum	98-1	7184328	7280058	7004162	7156182	1.96	cps
Neodymium	150-1	67	120	93	93	28.57	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	174367	174693	174333	174464	0.11	cps
Phosphorus	31-2	4551	4751	5101	4801	5.80	cps
Potassium	39-2	420531	416039	415540	417370	0.66	cps
Rhodium	103-1	5557794	4673997	5348429	5193407	8.89	cps
Rhodium	103-2	2007529	1962134	2003904	1991189	1.27	cps
Scandium	45-1	4339118	3596527	4266670	4067438	10.07	cps
Scandium	45-2	55971	56159	56804	56311	0.78	cps
Selenium	77-2	353	303	403	353	14.15	cps
Selenium	78-2	1032	1150	1130	1104	5.74	cps
Selenium	82-1	31096	31318	30412	30942	1.53	cps
Silicon	28-1	1594134	1617590	1610362	1607362	0.75	cps
Silver	109-1	2036407	2045396	2028847	2036883	0.41	cps
Silver	107-1	2101174	2161723	2074200	2112366	2.12	cps
Sodium	23-2	3127030	3082846	3117076	3108984	0.75	cps
Strontium	86-1	642216	655972	650771	649653	1.07	cps
Strontium	88-1	5482637	5558889	5475886	5505804	0.84	cps
Sulfur	34-1	645390	645960	641779	644376	0.35	cps
Terbium	159-1	6541724	5442983	6378749	6121152	9.69	cps
Terbium	159-2	2074704	2047820	2044967	2055831	0.80	cps
Thallium	203-1	1131701	1132109	1134968	1132926	0.16	cps
Thallium	205-1	2708283	2691922	2732375	2710860	0.75	cps
Tin	118-1	1280407	1300620	1286473	1289167	0.80	cps
Titanium	47-1	1328440	1368809	1333321	1343524	1.64	cps
Uranium	238-1	3328200	3469116	3364348	3387222	2.16	cps
Vanadium	51-2	238903	239835	240000	239579	0.25	cps
Yttrium	89-1	6768683	5539861	6628339	6312294	10.66	cps
Yttrium	89-2	344854	341041	344931	343609	0.65	cps
Zinc	66-2	108866	107462	107630	107986	0.71	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S05	Instrumnet Name :	P8
Client Sample ID :	S05	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:10:08	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3012593	3048645	2976662	3012634	1.19	cps
Zirconium	91-1	654319	666971	650187	657159	1.33	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:13:46	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	119598	120849	121283	120576	0.73	cps
Antimony	121-1	3991941	4062203	4029302	4027815	0.87	cps
Arsenic	75-2	83776	84599	83979	84118	0.51	cps
Barium	135-1	3893453	3970005	3904735	3922731	1.05	cps
Barium	137-1	6618895	6868777	6847000	6778224	2.04	cps
Beryllium	9-1	932279	934053	941030	935787	0.49	cps
Bismuth	209-1	3665139	3716982	3444141	3608754	4.02	cps
Bismuth	209-2	1517285	1506404	1511832	1511840	0.36	cps
Boron	11-1	520100	530324	536819	529081	1.59	cps
Boron	10-1	107123	110741	113689	110517	2.98	cps
Cadmium	106-1	96269	96486	94757	95837	0.98	cps
Cadmium	108-1	65345	65680	66459	65828	0.87	cps
Cadmium	111-1	915491	920618	928050	921386	0.69	cps
Calcium	43-1	1082179	1089273	1113316	1094923	1.49	cps
Calcium	44-1	17589789	17452148	17697973	17579970	0.70	cps
Chromium	52-2	629753	630360	627982	629365	0.20	cps
Cobalt	59-2	1229730	1220677	1215114	1221840	0.60	cps
Copper	63-2	1979996	1972258	1957272	1969842	0.59	cps
Dysprosium	156-1	92	83	50	75	29.40	cps
Dysprosium	156-2	7	13	7	9	43.25	cps
Erbium	164-1	17	75	58	50	60.09	cps
Erbium	164-2	10	23	7	13	66.12	cps
Gadolinium	160-1	133	75	42	83	55.68	cps
Gadolinium	160-2	7	13	20	13	49.99	cps
Holmium	165-1	6369747	6523342	5968469	6287186	4.56	cps
Holmium	165-2	2142863	2141633	2119132	2134543	0.63	cps
Indium	115-1	5858009	5854509	5482239	5731586	3.77	cps
Indium	115-2	424646	422107	423166	423306	0.30	cps
Iron	56-2	21208089	21335785	21156502	21233458	0.43	cps
Iron	57-2	538103	532606	529999	533569	0.78	cps
Krypton	83-1	1110	1013	1060	1061	4.56	cps
Lead	207-1	1697891	1753736	1720635	1724087	1.63	cps
Lead	208-1	7629988	7791291	7711682	7710987	1.05	cps
Lead	206-1	1878626	1929538	1861508	1889890	1.87	cps
Lithium	6-1	1446968	1463710	1356046	1422241	4.07	cps
Magnesium	24-2	2667724	2642990	2657570	2656095	0.47	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:13:46	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	395567	397495	392572	395211	0.63	cps
Molybdenum	94-1	7446971	7393011	7342330	7394104	0.71	cps
Molybdenum	95-1	9165010	9168523	9209585	9181039	0.27	cps
Molybdenum	96-1	10192704	10218468	10242983	10218052	0.25	cps
Molybdenum	97-1	5705599	5720707	5774934	5733747	0.64	cps
Molybdenum	98-1	14785154	14858610	14807877	14817214	0.25	cps
Neodymium	150-1	153	220	133	169	26.87	cps
Neodymium	150-2	17	10	10	12	31.50	cps
Nickel	60-2	344888	348805	344210	345967	0.72	cps
Phosphorus	31-2	9420	10154	9654	9743	3.85	cps
Potassium	39-2	821094	828813	823601	824503	0.48	cps
Rhodium	103-1	5587515	5707636	5263367	5519506	4.16	cps
Rhodium	103-2	1967048	1992514	1980786	1980116	0.64	cps
Scandium	45-1	4410187	4356906	4056904	4274666	4.46	cps
Scandium	45-2	56761	57380	57119	57087	0.54	cps
Selenium	77-2	690	613	653	652	5.88	cps
Selenium	78-2	2322	2221	2272	2272	2.24	cps
Selenium	82-1	62912	63229	64184	63442	1.04	cps
Silicon	28-1	2782680	2803968	2813934	2800194	0.57	cps
Silver	109-1	4087749	4062441	4122607	4090932	0.74	cps
Silver	107-1	4273951	4314881	4318177	4302336	0.57	cps
Sodium	23-2	6033119	6041435	6081487	6052014	0.43	cps
Strontium	86-1	1339315	1335461	1346970	1340582	0.44	cps
Strontium	88-1	11326658	11245068	11356750	11309492	0.51	cps
Sulfur	34-1	805998	801950	808567	805505	0.41	cps
Terbium	159-1	6745503	6737645	6241910	6575019	4.39	cps
Terbium	159-2	2116103	2102348	2100758	2106403	0.40	cps
Thallium	203-1	2362533	2406456	2401011	2390000	1.00	cps
Thallium	205-1	5552554	5711067	5540162	5601261	1.70	cps
Tin	118-1	2671206	2679875	2629679	2660253	1.01	cps
Titanium	47-1	2686745	2681349	2719260	2695785	0.76	cps
Uranium	238-1	6930075	7023791	7010445	6988104	0.73	cps
Vanadium	51-2	478641	480798	478524	479321	0.27	cps
Yttrium	89-1	6901491	6920389	6457040	6759640	3.88	cps
Yttrium	89-2	346218	344213	343665	344698	0.39	cps
Zinc	66-2	216672	217023	215325	216340	0.41	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S06	Instrumnet Name :	P8
Client Sample ID :	S06	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:13:46	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6101776	6028040	6085578	6071798	0.64	cps
Zirconium	91-1	1369332	1344726	1377056	1363705	1.24	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:17:20	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	240913	241029	242444	241462	0.35	cps
Antimony	121-1	7841976	7888421	7887832	7872743	0.34	cps
Arsenic	75-2	165408	166873	167445	166576	0.63	cps
Barium	135-1	7771591	7834896	7831448	7812645	0.46	cps
Barium	137-1	13717100	13714821	13743402	13725108	0.12	cps
Beryllium	9-1	1839405	1841447	1836608	1839153	0.13	cps
Bismuth	209-1	3597696	3726157	3821685	3715179	3.03	cps
Bismuth	209-2	1546856	1495441	1516501	1519599	1.70	cps
Boron	11-1	1052481	1067427	1079425	1066444	1.27	cps
Boron	10-1	216915	221117	225416	221150	1.92	cps
Cadmium	106-1	187790	191830	187269	188963	1.32	cps
Cadmium	108-1	130288	128800	130049	129713	0.62	cps
Cadmium	111-1	1839883	1840717	1844458	1841686	0.13	cps
Calcium	43-1	2197059	2179550	2176501	2184370	0.51	cps
Calcium	44-1	34929404	35084569	35457977	35157316	0.77	cps
Chromium	52-2	1248487	1253736	1257795	1253340	0.37	cps
Cobalt	59-2	2446971	2437381	2405654	2430002	0.89	cps
Copper	63-2	3800197	3821323	3834210	3818577	0.45	cps
Dysprosium	156-1	75	133	67	92	39.63	cps
Dysprosium	156-2	10	3	10	8	49.52	cps
Erbium	164-1	17	33	42	31	41.66	cps
Erbium	164-2	0	20	10	10	100.00	cps
Gadolinium	160-1	75	108	67	83	26.46	cps
Gadolinium	160-2	13	10	17	13	25.01	cps
Holmium	165-1	6349845	6669486	6523884	6514405	2.46	cps
Holmium	165-2	2221242	2157870	2159637	2179583	1.66	cps
Indium	115-1	5646551	5863061	6014494	5841369	3.17	cps
Indium	115-2	429849	412984	417374	420069	2.08	cps
Iron	56-2	42121936	42337384	41915569	42124963	0.50	cps
Iron	57-2	1061442	1061359	1063795	1062199	0.13	cps
Krypton	83-1	1010	1123	1003	1046	6.45	cps
Lead	207-1	3403112	3452157	3505451	3453573	1.48	cps
Lead	208-1	15162176	15363863	15502774	15342938	1.12	cps
Lead	206-1	3737253	3826244	3805252	3789583	1.23	cps
Lithium	6-1	1439937	1437887	1464200	1447341	1.01	cps
Magnesium	24-2	5220920	5240331	5196273	5219174	0.42	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:17:20	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	778341	776946	778034	777773	0.09	cps
Molybdenum	94-1	14842652	14866509	14808531	14839231	0.20	cps
Molybdenum	95-1	18625131	18528206	18535404	18562913	0.29	cps
Molybdenum	96-1	20480379	20624438	20605387	20570068	0.38	cps
Molybdenum	97-1	11524741	11593761	11608192	11575565	0.39	cps
Molybdenum	98-1	29426579	29792448	29715394	29644807	0.65	cps
Neodymium	150-1	273	300	253	276	8.49	cps
Neodymium	150-2	7	3	17	9	78.08	cps
Nickel	60-2	676410	684036	679714	680053	0.56	cps
Phosphorus	31-2	19339	20073	19464	19625	2.00	cps
Potassium	39-2	1670876	1653986	1643446	1656103	0.84	cps
Rhodium	103-1	5364525	5752411	5637335	5584757	3.57	cps
Rhodium	103-2	2018533	1979389	2001952	1999958	0.98	cps
Scandium	45-1	4279720	4409306	4448706	4379244	2.02	cps
Scandium	45-2	59847	58247	57514	58536	2.04	cps
Selenium	77-2	1317	1270	1373	1320	3.92	cps
Selenium	78-2	4682	4747	4584	4671	1.76	cps
Selenium	82-1	125168	125068	125332	125189	0.11	cps
Silicon	28-1	4902692	4950421	4938213	4930442	0.50	cps
Silver	109-1	8038678	7985937	8032273	8018963	0.36	cps
Silver	107-1	8395160	8435151	8389767	8406693	0.29	cps
Sodium	23-2	12206389	12121638	12204434	12177487	0.40	cps
Strontium	86-1	2655252	2716305	2680004	2683854	1.14	cps
Strontium	88-1	22555436	22822325	22839568	22739110	0.70	cps
Sulfur	34-1	969587	975087	996628	980434	1.46	cps
Terbium	159-1	6617614	6869993	6939105	6808904	2.49	cps
Terbium	159-2	2184046	2091382	2129082	2134837	2.18	cps
Thallium	203-1	4739389	4805679	4809674	4784914	0.83	cps
Thallium	205-1	11038066	11226736	11222433	11162412	0.96	cps
Tin	118-1	5236975	5233950	5296114	5255679	0.67	cps
Titanium	47-1	5343081	5332346	5350453	5341960	0.17	cps
Uranium	238-1	14039603	14148503	14227806	14138637	0.67	cps
Vanadium	51-2	960385	961805	967620	963270	0.40	cps
Yttrium	89-1	6802638	7091696	7063282	6985872	2.28	cps
Yttrium	89-2	358722	345608	349876	351402	1.90	cps
Zinc	66-2	415211	421594	424145	420317	1.09	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S07	Instrumnet Name :	P8
Client Sample ID :	S07	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:17:20	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	12234941	12343797	12247895	12275545	0.48	cps
Zirconium	91-1	2715671	2739057	2766112	2740280	0.92	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : S08 Instrumnet Name : P8
 Client Sample ID : S08 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:20:45 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1248294	1253127	1248122	1249848	0.23	cps
Antimony	121-1	9262	9470	9779	9504	2.74	cps
Arsenic	75-2	241	235	239	238	1.19	cps
Barium	135-1	725	783	592	700	14.04	cps
Barium	137-1	1450	1375	1258	1361	7.10	cps
Beryllium	9-1	397	357	397	383	6.02	cps
Bismuth	209-1	3473209	3441293	3428608	3447703	0.67	cps
Bismuth	209-2	1382083	1372809	1359749	1371547	0.82	cps
Boron	11-1	60119	54580	51928	55542	7.52	cps
Boron	10-1	13015	12089	11347	12150	6.88	cps
Cadmium	106-1	1558	1642	1383	1528	8.63	cps
Cadmium	108-1	21	29	25	25	16.68	cps
Cadmium	111-1	1122	1233	1030	1128	9.00	cps
Calcium	43-1	10974979	10982392	11044559	11000643	0.35	cps
Calcium	44-1	179668117	180200837	179490484	179786480	0.21	cps
Chromium	52-2	9870	9760	10374	10001	3.27	cps
Cobalt	59-2	27684	27227	28075	27662	1.53	cps
Copper	63-2	5631	5168	5304	5368	4.44	cps
Dysprosium	156-1	33	33	67	44	43.31	cps
Dysprosium	156-2	30	7	3	13	108.98	cps
Erbium	164-1	50	42	67	53	24.12	cps
Erbium	164-2	7	10	3	7	50.03	cps
Gadolinium	160-1	108	117	75	100	22.05	cps
Gadolinium	160-2	40	30	23	31	26.97	cps
Holmium	165-1	6364185	6148038	6204848	6239024	1.80	cps
Holmium	165-2	2094720	2093540	2083327	2090529	0.30	cps
Indium	115-1	5632681	5606609	5564485	5601258	0.61	cps
Indium	115-2	418767	418108	416297	417724	0.31	cps
Iron	56-2	212262666	212380949	212014533	212219383	0.09	cps
Iron	57-2	5296395	5269745	5341116	5302419	0.68	cps
Krypton	83-1	1033	1060	1127	1073	4.48	cps
Lead	207-1	5129	4868	5351	5116	4.73	cps
Lead	208-1	23921	23943	23893	23919	0.11	cps
Lead	206-1	5974	6085	6135	6065	1.36	cps
Lithium	6-1	1374672	1373504	1413625	1387267	1.65	cps
Magnesium	24-2	26142008	26120749	26135469	26132742	0.04	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:20:45	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2927	2994	3067	2996	2.34	cps
Molybdenum	94-1	5952	6052	6060	6021	1.00	cps
Molybdenum	95-1	8328	8019	7853	8067	2.99	cps
Molybdenum	96-1	10046	10079	10004	10043	0.37	cps
Molybdenum	97-1	5176	5193	4993	5121	2.17	cps
Molybdenum	98-1	12456	12448	11981	12295	2.21	cps
Neodymium	150-1	107	93	120	107	12.50	cps
Neodymium	150-2	20	27	30	26	19.92	cps
Nickel	60-2	8526	8046	8376	8316	2.95	cps
Phosphorus	31-2	17	25	42	28	45.82	cps
Potassium	39-2	8307017	8320559	8358786	8328787	0.32	cps
Rhodium	103-1	5215372	5118610	5252052	5195345	1.33	cps
Rhodium	103-2	1868029	1884924	1864989	1872647	0.57	cps
Scandium	45-1	4237153	4234269	4326891	4266104	1.23	cps
Scandium	45-2	58993	57735	57587	58105	1.33	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	11	7	2	7	68.65	cps
Selenium	82-1	48	92	70	70	31.28	cps
Silicon	28-1	612842	613653	621557	616017	0.78	cps
Silver	109-1	1075	1033	933	1014	7.18	cps
Silver	107-1	1208	1175	1058	1147	6.87	cps
Sodium	23-2	60588406	60713326	60442195	60581309	0.22	cps
Strontium	86-1	11138	11522	11372	11344	1.70	cps
Strontium	88-1	82693	83380	82835	82969	0.44	cps
Sulfur	34-1	462113	467391	478121	469208	1.74	cps
Terbium	159-1	6583934	6573127	6661671	6606244	0.73	cps
Terbium	159-2	2045357	2055569	2032703	2044543	0.56	cps
Thallium	203-1	642	567	458	556	16.59	cps
Thallium	205-1	1567	1367	1208	1381	13.01	cps
Tin	118-1	2892	3092	3292	3092	6.47	cps
Titanium	47-1	808	1050	1267	1042	22.01	cps
Uranium	238-1	300	342	275	306	11.02	cps
Vanadium	51-2	140	143	137	140	2.38	cps
Yttrium	89-1	6849246	6713505	6821063	6794605	1.05	cps
Yttrium	89-2	345070	349499	348535	347701	0.67	cps
Zinc	66-2	2680	2567	2600	2616	2.23	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	S08	Instrumnet Name :	P8
Client Sample ID :	S08	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:20:45	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3059	2975	2742	2925	5.61	cps
Zirconium	91-1	675	800	558	678	17.83	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : ICV Instrumnet Name : P8
 Client Sample ID : ICV Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:33:22 DataFile Name : 013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5815	5990	5903	5903	1.48	cps
Antimony	121-1	1538659	1576504	1577098	1564087	1.41	cps
Arsenic	75-2	33078	33542	33639	33420	0.90	cps
Barium	135-1	151997	156146	157663	155268	1.89	cps
Barium	137-1	268637	272334	270813	270595	0.69	cps
Beryllium	9-1	182814	184414	182901	183376	0.49	cps
Bismuth	209-1	3853635	3829667	3789040	3824114	0.85	cps
Bismuth	209-2	1588483	1574650	1592941	1585358	0.60	cps
Boron	11-1	569215	587372	600668	585752	2.70	cps
Boron	10-1	121114	124201	126512	123942	2.18	cps
Cadmium	106-1	31371	31095	30995	31154	0.62	cps
Cadmium	108-1	18133	17587	18392	18037	2.28	cps
Cadmium	111-1	187124	190620	188840	188861	0.93	cps
Calcium	43-1	48025	48791	49360	48725	1.37	cps
Calcium	44-1	769074	777680	767076	771277	0.73	cps
Chromium	52-2	125335	125412	123966	124904	0.65	cps
Cobalt	59-2	246536	249193	247232	247653	0.56	cps
Copper	63-2	201122	199412	201458	200664	0.55	cps
Dysprosium	156-1	33	8	25	22	57.29	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	58	58	117	78	43.30	cps
Erbium	164-2	13	23	27	21	32.88	cps
Gadolinium	160-1	58	58	42	53	18.23	cps
Gadolinium	160-2	10	10	17	12	31.50	cps
Holmium	165-1	6504289	6574590	6457096	6511992	0.91	cps
Holmium	165-2	2192847	2164429	2212704	2189993	1.11	cps
Indium	115-1	6023699	6060835	5940109	6008214	1.03	cps
Indium	115-2	444791	443998	448185	445658	0.50	cps
Iron	56-2	860612	870477	867133	866074	0.58	cps
Iron	57-2	21851	21962	21556	21790	0.96	cps
Krypton	83-1	820	1040	1160	1007	17.13	cps
Lead	207-1	651684	668492	672766	664314	1.68	cps
Lead	208-1	3035978	3053678	3091847	3060501	0.93	cps
Lead	206-1	755594	759771	764758	760041	0.60	cps
Lithium	6-1	1514363	1525243	1486292	1508632	1.33	cps
Magnesium	24-2	62864	65435	65585	64628	2.37	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : ICV Instrumnet Name : P8
 Client Sample ID : ICV Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:33:22 DataFile Name : 013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	39630	40372	39382	39795	1.29	cps
Molybdenum	94-1	7433765	7333432	7404654	7390617	0.70	cps
Molybdenum	95-1	8907399	8804187	8992127	8901238	1.06	cps
Molybdenum	96-1	9868580	9768031	9825939	9820850	0.51	cps
Molybdenum	97-1	5563100	5443348	5553299	5519916	1.20	cps
Molybdenum	98-1	14246539	14122588	14390259	14253129	0.94	cps
Neodymium	150-1	7	7	13	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	71533	70591	71325	71150	0.70	cps
Phosphorus	31-2	25	17	50	31	56.77	cps
Potassium	39-2	71742	72839	71944	72175	0.81	cps
Rhodium	103-1	5931751	5897613	5845110	5891491	0.74	cps
Rhodium	103-2	2132392	2131381	2118480	2127417	0.36	cps
Scandium	45-1	4543265	4462246	4463584	4489698	1.03	cps
Scandium	45-2	60346	59890	60161	60132	0.38	cps
Selenium	77-2	220	270	260	250	10.58	cps
Selenium	78-2	913	932	935	927	1.28	cps
Selenium	82-1	24921	25208	24982	25037	0.60	cps
Silicon	28-1	479893	488530	486402	484942	0.93	cps
Silver	109-1	802737	816453	821764	813651	1.21	cps
Silver	107-1	854716	868930	867822	863823	0.92	cps
Sodium	23-2	261582	261394	260502	261159	0.22	cps
Strontium	86-1	1169297	1197332	1201861	1189497	1.48	cps
Strontium	88-1	9952958	10142536	10087912	10061135	0.97	cps
Sulfur	34-1	462728	459686	455885	459433	0.75	cps
Terbium	159-1	6904953	6834729	6831455	6857045	0.61	cps
Terbium	159-2	2175300	2136457	2170537	2160765	0.98	cps
Thallium	203-1	954763	969839	974134	966245	1.05	cps
Thallium	205-1	2297777	2280976	2301011	2293255	0.47	cps
Tin	118-1	2946064	2915652	2958885	2940200	0.76	cps
Titanium	47-1	2591028	2619959	2595281	2602089	0.60	cps
Uranium	238-1	7322773	7199735	7316792	7279767	0.95	cps
Vanadium	51-2	94973	94731	94744	94816	0.14	cps
Yttrium	89-1	7156054	7073252	7002988	7077431	1.08	cps
Yttrium	89-2	358670	357168	360715	358851	0.50	cps
Zinc	66-2	43906	44936	44060	44301	1.25	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICV	Instrumnet Name :	P8
Client Sample ID :	ICV	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:33:22	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6561194	6569848	6548483	6559842	0.16	cps
Zirconium	91-1	1465522	1466214	1480122	1470619	0.56	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:50:18 DataFile Name : 017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	55	50	40	48	15.80	cps
Antimony	121-1	358	367	242	322	21.69	cps
Arsenic	75-2	6	7	7	7	15.72	cps
Barium	135-1	25	17	50	31	56.77	cps
Barium	137-1	50	58	42	50	16.67	cps
Beryllium	9-1	80	83	103	89	14.20	cps
Bismuth	209-1	3443523	3616850	3514112	3524828	2.47	cps
Bismuth	209-2	1486193	1452096	1458854	1465714	1.23	cps
Boron	11-1	7794	7661	8428	7961	5.15	cps
Boron	10-1	1817	1492	1817	1709	10.98	cps
Cadmium	106-1	1308	1325	1392	1342	3.29	cps
Cadmium	108-1	13	4	13	10	49.46	cps
Cadmium	111-1	916	946	974	945	3.09	cps
Calcium	43-1	637	607	690	644	6.55	cps
Calcium	44-1	32344	32160	31482	31996	1.42	cps
Chromium	52-2	1557	1533	1443	1511	3.96	cps
Cobalt	59-2	220	237	197	218	9.23	cps
Copper	63-2	920	770	840	843	8.90	cps
Dysprosium	156-1	17	8	25	17	50.01	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	67	33	42	47	36.74	cps
Erbium	164-2	13	13	17	14	13.35	cps
Gadolinium	160-1	58	33	25	39	44.62	cps
Gadolinium	160-2	10	13	10	11	17.30	cps
Holmium	165-1	5914982	6098722	6045903	6019869	1.57	cps
Holmium	165-2	2095740	2017368	2023573	2045560	2.13	cps
Indium	115-1	5600936	5811852	5740832	5717873	1.88	cps
Indium	115-2	433616	421177	423312	426035	1.56	cps
Iron	56-2	3456	3306	3573	3445	3.88	cps
Iron	57-2	78	83	122	94	25.64	cps
Krypton	83-1	933	1113	897	981	11.82	cps
Lead	207-1	706	689	622	672	6.56	cps
Lead	208-1	3100	2795	2867	2921	5.47	cps
Lead	206-1	761	717	739	739	3.01	cps
Lithium	6-1	1386738	1430325	1411845	1409636	1.55	cps
Magnesium	24-2	467	642	358	489	29.24	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : ICB Instrumnet Name : P8
 Client Sample ID : ICB Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 14:50:18 DataFile Name : 017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	50	43	63	52	19.50	cps
Molybdenum	94-1	283	392	442	372	21.75	cps
Molybdenum	95-1	375	392	342	369	6.89	cps
Molybdenum	96-1	542	575	333	483	27.10	cps
Molybdenum	97-1	283	250	283	272	7.07	cps
Molybdenum	98-1	675	458	592	575	19.01	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	97	93	73	88	14.38	cps
Phosphorus	31-2	17	0	8	8	100.02	cps
Potassium	39-2	6685	6769	7369	6941	5.37	cps
Rhodium	103-1	5509505	5649197	5599367	5586023	1.27	cps
Rhodium	103-2	2023684	2014898	2014592	2017725	0.26	cps
Scandium	45-1	4135761	4268033	4252855	4218883	1.72	cps
Scandium	45-2	56764	54154	54980	55299	2.41	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	4	6	0	3	91.69	cps
Selenium	82-1	100	-113	111	32	389.40	cps
Silicon	28-1	419779	419215	416633	418542	0.40	cps
Silver	109-1	542	575	508	542	6.15	cps
Silver	107-1	692	475	550	572	19.23	cps
Sodium	23-2	16419	15893	15367	15893	3.31	cps
Strontium	86-1	1433	1600	1659	1564	7.47	cps
Strontium	88-1	158	158	125	147	13.07	cps
Sulfur	34-1	416427	416768	420190	417795	0.50	cps
Terbium	159-1	6217589	6507005	6525766	6416787	2.69	cps
Terbium	159-2	2036424	1986380	2003145	2008650	1.27	cps
Thallium	203-1	883	750	742	792	10.04	cps
Thallium	205-1	1567	1984	1875	1809	11.96	cps
Tin	118-1	450	475	759	561	30.55	cps
Titanium	47-1	192	142	225	186	22.54	cps
Uranium	238-1	25	42	42	36	26.65	cps
Vanadium	51-2	10	17	13	13	25.01	cps
Yttrium	89-1	6477415	6815205	6483486	6592035	2.93	cps
Yttrium	89-2	343982	333461	335851	337765	1.63	cps
Zinc	66-2	53	43	53	50	11.55	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICB	Instrumnet Name :	P8
Client Sample ID :	ICB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:50:18	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	458	533	442	478	10.22	cps
Zirconium	91-1	92	75	133	100	30.05	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:53:47	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1105703	1105180	1095014	1101966	0.55	cps
Antimony	121-1	8995	9304	9954	9418	5.20	cps
Arsenic	75-2	59	59	57	59	1.82	cps
Barium	135-1	2392	2442	2442	2425	1.19	cps
Barium	137-1	4068	3859	4376	4101	6.34	cps
Beryllium	9-1	643	557	587	596	7.39	cps
Bismuth	209-1	3495885	3523088	3413461	3477478	1.64	cps
Bismuth	209-2	1473042	1487903	1491292	1484079	0.65	cps
Boron	11-1	8561	8311	8186	8353	2.29	cps
Boron	10-1	1767	1842	1475	1695	11.43	cps
Cadmium	106-1	1508	1659	1367	1511	9.65	cps
Cadmium	108-1	1075	1163	1013	1083	6.96	cps
Cadmium	111-1	1645	1681	1644	1657	1.26	cps
Calcium	43-1	2164499	2184724	2125849	2158358	1.39	cps
Calcium	44-1	34922860	34844560	34262597	34676673	1.04	cps
Chromium	52-2	26616	26896	26355	26622	1.02	cps
Cobalt	59-2	2817	2807	2847	2824	0.74	cps
Copper	63-2	17641	17635	17364	17547	0.90	cps
Dysprosium	156-1	17	33	42	31	41.66	cps
Dysprosium	156-2	0	10	0	3	173.21	cps
Erbium	164-1	58	42	67	56	22.91	cps
Erbium	164-2	13	13	13	13	0.00	cps
Gadolinium	160-1	50	117	42	69	59.19	cps
Gadolinium	160-2	27	17	13	19	36.75	cps
Holmium	165-1	6247636	6366573	6124219	6246143	1.94	cps
Holmium	165-2	2190336	2136710	2149442	2158830	1.30	cps
Indium	115-1	5691607	5662293	5706616	5686839	0.40	cps
Indium	115-2	427120	429195	427783	428033	0.25	cps
Iron	56-2	83579180	83945821	83510941	83678647	0.28	cps
Iron	57-2	2156761	2164420	2141568	2154250	0.54	cps
Krypton	83-1	1037	1027	1003	1022	1.67	cps
Lead	207-1	14136	14214	14186	14179	0.28	cps
Lead	208-1	67110	68167	67572	67616	0.78	cps
Lead	206-1	17735	18219	17985	17980	1.35	cps
Lithium	6-1	1458577	1476177	1446820	1460524	1.01	cps
Magnesium	24-2	5171133	5225486	5188421	5195013	0.53	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:53:47	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3177	3127	3054	3119	1.99	cps
Molybdenum	94-1	3923022	3952049	3814354	3896475	1.86	cps
Molybdenum	95-1	6891868	6898072	6732707	6840882	1.37	cps
Molybdenum	96-1	7311322	7315089	7258077	7294829	0.44	cps
Molybdenum	97-1	4314777	4263178	4268322	4282092	0.66	cps
Molybdenum	98-1	10875249	10894175	10825576	10865000	0.33	cps
Neodymium	150-1	60	13	47	40	60.10	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	3561	3711	3791	3687	3.17	cps
Phosphorus	31-2	96494	96680	95338	96171	0.76	cps
Potassium	39-2	3271732	3274047	3291990	3279256	0.34	cps
Rhodium	103-1	5335594	5429174	5272616	5345795	1.47	cps
Rhodium	103-2	1965084	1994030	1963383	1974166	0.87	cps
Scandium	45-1	4244875	4251084	4221252	4239070	0.37	cps
Scandium	45-2	57183	57571	56416	57057	1.03	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	4	6	6	5	21.74	cps
Selenium	82-1	-61	12	32	-6	-853.46	cps
Silicon	28-1	583484	589022	586610	586372	0.47	cps
Silver	109-1	2334	2825	3076	2745	13.75	cps
Silver	107-1	2150	3209	3351	2903	22.59	cps
Sodium	23-2	12144187	12128478	12180579	12151081	0.22	cps
Strontium	86-1	79021	79406	78753	79060	0.42	cps
Strontium	88-1	677795	668966	676927	674562	0.72	cps
Sulfur	34-1	3047342	2981545	2983061	3003983	1.25	cps
Terbium	159-1	6572760	6450002	6461249	6494670	1.04	cps
Terbium	159-2	2109070	2147979	2087878	2114976	1.44	cps
Thallium	203-1	417	433	467	439	5.80	cps
Thallium	205-1	1158	1075	633	956	29.53	cps
Tin	118-1	1517	1533	1634	1561	4.04	cps
Titanium	47-1	2139634	2131283	2103543	2124820	0.89	cps
Uranium	238-1	267	292	200	253	18.75	cps
Vanadium	51-2	170	170	127	156	16.08	cps
Yttrium	89-1	6767960	6788035	6678151	6744715	0.87	cps
Yttrium	89-2	346105	346896	345418	346140	0.21	cps
Zinc	66-2	2477	2840	2780	2699	7.22	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSA	Instrumnet Name :	P8
Client Sample ID :	ICSA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:53:47	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	867	917	892	892	2.80	cps
Zirconium	91-1	192	208	292	231	23.24	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:57:10	DataFile Name :	019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1092326	1088984	1093155	1091488	0.20	cps
Antimony	121-1	167909	169049	169275	168744	0.43	cps
Arsenic	75-2	3119	3110	3299	3176	3.35	cps
Barium	135-1	35156	34881	33961	34666	1.80	cps
Barium	137-1	59979	59585	60230	59931	0.54	cps
Beryllium	9-1	38946	38568	39046	38854	0.65	cps
Bismuth	209-1	3688588	3771972	3725638	3728732	1.12	cps
Bismuth	209-2	1528353	1538086	1496441	1520960	1.43	cps
Boron	11-1	76412	77350	77895	77219	0.97	cps
Boron	10-1	15551	16518	16719	16263	3.84	cps
Cadmium	106-1	6052	5927	6318	6099	3.28	cps
Cadmium	108-1	4138	3788	3972	3966	4.42	cps
Cadmium	111-1	38144	38055	37800	38000	0.47	cps
Calcium	43-1	2168732	2154338	2177620	2166897	0.54	cps
Calcium	44-1	34823983	35019577	34829676	34891079	0.32	cps
Chromium	52-2	50457	50822	51320	50867	0.85	cps
Cobalt	59-2	50742	50361	51488	50864	1.13	cps
Copper	63-2	56411	56511	56548	56490	0.13	cps
Dysprosium	156-1	42	50	75	56	31.22	cps
Dysprosium	156-2	13	10	0	8	89.21	cps
Erbium	164-1	50	83	75	69	24.98	cps
Erbium	164-2	7	27	17	17	59.99	cps
Gadolinium	160-1	50	108	17	58	79.54	cps
Gadolinium	160-2	20	30	13	21	39.75	cps
Holmium	165-1	6515615	6518226	6583857	6539232	0.59	cps
Holmium	165-2	2238710	2237502	2124518	2200243	2.98	cps
Indium	115-1	5874609	5965805	5988202	5942872	1.01	cps
Indium	115-2	430261	431342	426798	429467	0.55	cps
Iron	56-2	82923052	82473538	82130441	82509010	0.48	cps
Iron	57-2	2104962	2106417	2123997	2111792	0.50	cps
Krypton	83-1	1100	1087	993	1060	5.48	cps
Lead	207-1	81404	80749	81606	81253	0.55	cps
Lead	208-1	373859	376559	381055	377158	0.96	cps
Lead	206-1	95121	97366	98497	96995	1.77	cps
Lithium	6-1	1499923	1499923	1514228	1504691	0.55	cps
Magnesium	24-2	5176862	5198278	5133467	5169536	0.64	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:57:10	DataFile Name :	019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	11015	10951	11051	11006	0.46	cps
Molybdenum	94-1	4343376	4361275	4367653	4357435	0.29	cps
Molybdenum	95-1	7090803	7087621	7119156	7099193	0.24	cps
Molybdenum	96-1	7655718	7633205	7766661	7685194	0.93	cps
Molybdenum	97-1	4469011	4529830	4533764	4510868	0.80	cps
Molybdenum	98-1	11522293	11415288	11462885	11466822	0.47	cps
Neodymium	150-1	33	20	33	29	26.64	cps
Neodymium	150-2	7	0	7	4	86.60	cps
Nickel	60-2	16864	16687	17044	16865	1.06	cps
Phosphorus	31-2	93643	94281	94581	94168	0.51	cps
Potassium	39-2	3209365	3224933	3190809	3208369	0.53	cps
Rhodium	103-1	5599378	5645672	5687549	5644199	0.78	cps
Rhodium	103-2	2013486	2013560	1965012	1997353	1.40	cps
Scandium	45-1	4341213	4390105	4312378	4347899	0.90	cps
Scandium	45-2	57122	57203	56279	56868	0.90	cps
Selenium	77-2	30	30	20	27	21.65	cps
Selenium	78-2	81	89	107	93	14.42	cps
Selenium	82-1	2449	2326	2559	2445	4.77	cps
Silicon	28-1	895788	909964	909154	904969	0.88	cps
Silver	109-1	157714	157335	156138	157062	0.52	cps
Silver	107-1	167597	166971	167808	167459	0.26	cps
Sodium	23-2	12050211	12044537	12089599	12061449	0.20	cps
Strontium	86-1	221360	224246	224494	223367	0.78	cps
Strontium	88-1	1937823	1967017	1945225	1950022	0.78	cps
Sulfur	34-1	3018746	3011562	3015882	3015396	0.12	cps
Terbium	159-1	6885112	6875103	6952587	6904267	0.61	cps
Terbium	159-2	2143182	2171744	2127981	2147636	1.03	cps
Thallium	203-1	96062	96851	99414	97442	1.80	cps
Thallium	205-1	231421	230471	233377	231757	0.64	cps
Tin	118-1	331365	330886	334650	332300	0.62	cps
Titanium	47-1	2210159	2215988	2195881	2207342	0.47	cps
Uranium	238-1	896612	888643	901297	895517	0.71	cps
Vanadium	51-2	18726	18572	18603	18634	0.44	cps
Yttrium	89-1	6801847	6995672	6956785	6918101	1.48	cps
Yttrium	89-2	349551	349760	344849	348053	0.80	cps
Zinc	66-2	6835	7199	7045	7026	2.60	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	ICSAB	Instrumnet Name :	P8
Client Sample ID :	ICSAB	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 14:57:10	DataFile Name :	019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	769768	780755	773612	774712	0.72	cps
Zirconium	91-1	171165	170195	173820	171727	1.09	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV046	Instrumnet Name :	P8
Client Sample ID :	CCV046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:00:32	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	675919	670942	679718	675526	0.65	cps
Antimony	121-1	4074884	4085756	4089871	4083503	0.19	cps
Arsenic	75-2	86064	86902	86495	86487	0.48	cps
Barium	135-1	4086613	4108269	4063717	4086200	0.55	cps
Barium	137-1	7101785	7177426	7088094	7122435	0.68	cps
Beryllium	9-1	962062	964240	970323	965542	0.44	cps
Bismuth	209-1	3575428	3601173	3537870	3571491	0.89	cps
Bismuth	209-2	1434093	1480583	1464618	1459765	1.62	cps
Boron	11-1	529298	537175	547448	537973	1.69	cps
Boron	10-1	112488	114345	114731	113854	1.05	cps
Cadmium	106-1	97528	96527	95378	96478	1.12	cps
Cadmium	108-1	66576	66639	66429	66548	0.16	cps
Cadmium	111-1	923745	919527	918755	920676	0.29	cps
Calcium	43-1	5465931	5480512	5514036	5486826	0.45	cps
Calcium	44-1	89345812	89988172	90026659	89786881	0.43	cps
Chromium	52-2	658718	659795	653247	657253	0.53	cps
Cobalt	59-2	1239174	1256088	1254539	1249934	0.75	cps
Copper	63-2	1968647	1972774	1970938	1970786	0.10	cps
Dysprosium	156-1	67	83	42	64	32.83	cps
Dysprosium	156-2	13	0	20	11	91.66	cps
Erbium	164-1	33	33	50	39	24.75	cps
Erbium	164-2	10	7	3	7	50.03	cps
Gadolinium	160-1	75	50	75	67	21.65	cps
Gadolinium	160-2	23	20	27	23	14.29	cps
Holmium	165-1	6494109	6486722	6465184	6482005	0.23	cps
Holmium	165-2	2133011	2211126	2169942	2171360	1.80	cps
Indium	115-1	5844129	5910194	5883539	5879287	0.57	cps
Indium	115-2	416186	435922	432903	428337	2.48	cps
Iron	56-2	109174036	109828550	110419839	109807475	0.57	cps
Iron	57-2	2754545	2840313	2822591	2805816	1.61	cps
Krypton	83-1	953	1033	1023	1003	4.34	cps
Lead	207-1	1773967	1762507	1739737	1758737	0.99	cps
Lead	208-1	7996557	7795613	7749232	7847134	1.68	cps
Lead	206-1	1961427	1941284	1879518	1927410	2.21	cps
Lithium	6-1	1436101	1442582	1448329	1442337	0.42	cps
Magnesium	24-2	13463870	13362205	13419422	13415166	0.38	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV046	Instrumnet Name :	P8
Client Sample ID :	CCV046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:00:32	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	410185	412494	412283	411654	0.31	cps
Molybdenum	94-1	7717135	7779234	7650859	7715743	0.83	cps
Molybdenum	95-1	9640769	9628364	9576923	9615352	0.35	cps
Molybdenum	96-1	10684781	10574907	10660867	10640185	0.54	cps
Molybdenum	97-1	5979691	5980920	6005990	5988867	0.25	cps
Molybdenum	98-1	15304058	15424758	15286375	15338397	0.49	cps
Neodymium	150-1	240	207	127	191	30.48	cps
Neodymium	150-2	20	10	10	13	43.30	cps
Nickel	60-2	349434	348817	348719	348990	0.11	cps
Phosphorus	31-2	9804	10254	10262	10107	2.60	cps
Potassium	39-2	4274054	4315431	4280940	4290142	0.52	cps
Rhodium	103-1	5466939	5545476	5490673	5501029	0.73	cps
Rhodium	103-2	1940768	1992244	1994223	1975745	1.53	cps
Scandium	45-1	4408043	4464141	4482254	4451479	0.87	cps
Scandium	45-2	57849	59478	59609	58979	1.66	cps
Selenium	77-2	803	733	717	751	6.12	cps
Selenium	78-2	2295	2289	2339	2308	1.19	cps
Selenium	82-1	64611	64699	64993	64768	0.31	cps
Silicon	28-1	2611620	2708329	2708788	2676246	2.09	cps
Silver	109-1	4132001	4117097	4076126	4108408	0.70	cps
Silver	107-1	4291451	4274829	4259994	4275425	0.37	cps
Sodium	23-2	31083632	30992276	31240407	31105438	0.40	cps
Strontium	86-1	1378465	1376226	1401190	1385294	1.00	cps
Strontium	88-1	11724857	11842482	11796060	11787800	0.50	cps
Sulfur	34-1	830095	833156	830165	831139	0.21	cps
Terbium	159-1	6771367	6839282	6848043	6819564	0.62	cps
Terbium	159-2	2082270	2150758	2161294	2131441	2.01	cps
Thallium	203-1	2499801	2462937	2413128	2458622	1.77	cps
Thallium	205-1	5756947	5673036	5612633	5680872	1.28	cps
Tin	118-1	2751287	2750709	2754160	2752052	0.07	cps
Titanium	47-1	2832039	2826798	2832595	2830477	0.11	cps
Uranium	238-1	7295469	7200211	7285674	7260451	0.72	cps
Vanadium	51-2	505772	500927	501575	502758	0.52	cps
Yttrium	89-1	6926025	7123740	6981928	7010564	1.45	cps
Yttrium	89-2	345825	358171	359199	354398	2.10	cps
Zinc	66-2	216553	217149	218702	217468	0.51	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV046	Instrumnet Name :	P8
Client Sample ID :	CCV046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:00:32	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6424464	6484455	6388599	6432506	0.75	cps
Zirconium	91-1	1420904	1452376	1420181	1431154	1.28	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : CCB046 Instrumnet Name : P8
 Client Sample ID : CCB046 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 15:07:17 DataFile Name : 022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45	65	45	52	22.35	cps
Antimony	121-1	525	625	617	589	9.42	cps
Arsenic	75-2	6	11	11	9	34.60	cps
Barium	135-1	50	33	33	39	24.74	cps
Barium	137-1	58	67	58	61	7.87	cps
Beryllium	9-1	190	123	173	162	21.39	cps
Bismuth	209-1	3819422	3611750	3605954	3679042	3.31	cps
Bismuth	209-2	1532103	1540862	1564102	1545689	1.07	cps
Boron	11-1	12414	11680	11547	11880	3.93	cps
Boron	10-1	2700	2509	2509	2573	4.30	cps
Cadmium	106-1	1567	1300	1350	1406	10.08	cps
Cadmium	108-1	13	21	8	14	45.83	cps
Cadmium	111-1	1101	904	952	985	10.41	cps
Calcium	43-1	670	610	647	642	4.71	cps
Calcium	44-1	31338	31395	30991	31242	0.70	cps
Chromium	52-2	1487	1597	1550	1545	3.57	cps
Cobalt	59-2	210	217	193	207	5.81	cps
Copper	63-2	870	820	683	791	12.21	cps
Dysprosium	156-1	8	17	17	14	34.67	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	17	50	33	50.00	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	83	50	75	69	24.98	cps
Gadolinium	160-2	0	3	3	2	86.60	cps
Holmium	165-1	6469515	6225685	6062813	6252671	3.27	cps
Holmium	165-2	2130251	2164452	2178480	2157728	1.15	cps
Indium	115-1	6110573	5833859	5777610	5907348	3.02	cps
Indium	115-2	441940	439382	444299	441874	0.56	cps
Iron	56-2	3195	3434	3200	3276	4.16	cps
Iron	57-2	100	100	133	111	17.32	cps
Krypton	83-1	1080	947	1063	1030	7.05	cps
Lead	207-1	744	806	689	746	7.82	cps
Lead	208-1	3600	4039	3428	3689	8.54	cps
Lead	206-1	867	1028	833	909	11.44	cps
Lithium	6-1	1510926	1445884	1408788	1455199	3.55	cps
Magnesium	24-2	608	542	533	561	7.33	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : CCB046 Instrumnet Name : P8
 Client Sample ID : CCB046 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 15:07:17 DataFile Name : 022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	83	70	67	73	12.02	cps
Molybdenum	94-1	383	408	325	372	11.49	cps
Molybdenum	95-1	250	367	208	275	29.84	cps
Molybdenum	96-1	258	408	325	331	22.74	cps
Molybdenum	97-1	150	283	200	211	31.91	cps
Molybdenum	98-1	400	458	358	406	12.39	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	67	90	53	70	26.51	cps
Phosphorus	31-2	33	25	8	22	57.29	cps
Potassium	39-2	6785	7244	6543	6858	5.19	cps
Rhodium	103-1	5883715	5724948	5556173	5721612	2.86	cps
Rhodium	103-2	2066638	2083713	2085026	2078459	0.49	cps
Scandium	45-1	4410387	4319061	4186017	4305155	2.62	cps
Scandium	45-2	57079	57340	57748	57389	0.59	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	0	2	0	1	173.21	cps
Selenium	82-1	-37	116	7	29	273.46	cps
Silicon	28-1	421361	430409	419035	423601	1.42	cps
Silver	109-1	392	358	392	381	5.06	cps
Silver	107-1	700	508	483	564	21.02	cps
Sodium	23-2	16685	18020	17052	17253	4.00	cps
Strontium	86-1	1659	1550	1792	1667	7.26	cps
Strontium	88-1	58	100	175	111	53.21	cps
Sulfur	34-1	481331	485610	483578	483506	0.44	cps
Terbium	159-1	6802224	6604195	6503386	6636601	2.29	cps
Terbium	159-2	2158189	2141892	2135677	2145253	0.54	cps
Thallium	203-1	775	808	708	764	6.67	cps
Thallium	205-1	1734	2084	2067	1961	10.07	cps
Tin	118-1	525	608	592	575	7.67	cps
Titanium	47-1	183	250	167	200	22.05	cps
Uranium	238-1	50	17	50	39	49.48	cps
Vanadium	51-2	13	17	13	14	13.35	cps
Yttrium	89-1	6985991	6683285	6599480	6756252	3.01	cps
Yttrium	89-2	345581	348935	349981	348166	0.66	cps
Zinc	66-2	57	67	100	74	30.48	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCB046	Instrumnet Name :	P8
Client Sample ID :	CCB046	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:07:17	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	567	675	633	625	8.74	cps
Zirconium	91-1	117	92	142	117	21.43	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:10:46	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	268	288	245	267	7.97	cps
Antimony	121-1	15318	15435	14750	15168	2.41	cps
Arsenic	75-2	169	135	172	159	12.86	cps
Barium	135-1	15476	15118	15510	15368	1.41	cps
Barium	137-1	27246	26135	26094	26491	2.47	cps
Beryllium	9-1	2047	1837	2044	1976	6.09	cps
Bismuth	209-1	3701151	3780760	3646227	3709379	1.82	cps
Bismuth	209-2	1604956	1530540	1530765	1555420	2.76	cps
Boron	11-1	31118	32162	31886	31722	1.71	cps
Boron	10-1	6310	6527	7119	6652	6.29	cps
Cadmium	106-1	1675	1592	1842	1703	7.48	cps
Cadmium	108-1	121	146	121	129	11.17	cps
Cadmium	111-1	2613	2712	2963	2763	6.53	cps
Calcium	43-1	11028	11031	11008	11022	0.11	cps
Calcium	44-1	200451	200898	200804	200718	0.12	cps
Chromium	52-2	3881	3967	4074	3974	2.44	cps
Cobalt	59-2	2414	2350	2520	2428	3.54	cps
Copper	63-2	49163	49224	48642	49010	0.65	cps
Dysprosium	156-1	0	17	8	8	100.02	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	42	42	36	26.65	cps
Erbium	164-2	7	3	10	7	50.03	cps
Gadolinium	160-1	50	42	42	44	10.82	cps
Gadolinium	160-2	17	7	10	11	45.82	cps
Holmium	165-1	6259078	6425230	6240312	6308207	1.61	cps
Holmium	165-2	2207714	2125423	2120011	2151049	2.28	cps
Indium	115-1	5928549	6086899	5792958	5936135	2.48	cps
Indium	115-2	445591	429321	428327	434413	2.23	cps
Iron	56-2	47604	46756	47091	47150	0.91	cps
Iron	57-2	1206	1178	983	1122	10.79	cps
Krypton	83-1	1013	1140	980	1045	8.08	cps
Lead	207-1	3684	3990	3584	3753	5.63	cps
Lead	208-1	17294	17711	17144	17383	1.69	cps
Lead	206-1	4362	4384	4479	4408	1.41	cps
Lithium	6-1	1456784	1468625	1420777	1448729	1.72	cps
Magnesium	24-2	26300	27018	27043	26787	1.57	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:10:46	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	530	453	407	463	13.44	cps
Molybdenum	94-1	14108	14016	14800	14308	3.00	cps
Molybdenum	95-1	17287	18630	18180	18032	3.79	cps
Molybdenum	96-1	19448	19331	19623	19467	0.76	cps
Molybdenum	97-1	11605	11105	11072	11261	2.66	cps
Molybdenum	98-1	28189	27921	28147	28086	0.51	cps
Neodymium	150-1	0	13	20	11	91.66	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	873	770	750	798	8.30	cps
Phosphorus	31-2	42	92	42	58	49.48	cps
Potassium	39-2	23779	22736	22243	22920	3.42	cps
Rhodium	103-1	5676467	5719053	5622089	5672536	0.86	cps
Rhodium	103-2	2111675	2058874	2056636	2075728	1.50	cps
Scandium	45-1	4320266	4431608	4295795	4349223	1.66	cps
Scandium	45-2	58330	55777	56657	56922	2.28	cps
Selenium	77-2	17	10	7	11	45.82	cps
Selenium	78-2	37	19	17	24	46.79	cps
Selenium	82-1	619	566	688	624	9.78	cps
Silicon	28-1	462530	460416	462460	461802	0.26	cps
Silver	109-1	8987	9178	8987	9051	1.22	cps
Silver	107-1	9204	9470	9696	9456	2.60	cps
Sodium	23-2	75911	76029	74956	75632	0.78	cps
Strontium	86-1	3876	3734	4059	3890	4.19	cps
Strontium	88-1	18780	19122	19356	19086	1.52	cps
Sulfur	34-1	487768	484893	492270	488310	0.76	cps
Terbium	159-1	6715391	6828203	6481111	6674901	2.65	cps
Terbium	159-2	2178266	2127126	2096561	2133984	1.93	cps
Thallium	203-1	5251	5643	5043	5312	5.74	cps
Thallium	205-1	12490	12273	12457	12407	0.94	cps
Tin	118-1	26769	26318	26811	26633	1.03	cps
Titanium	47-1	5168	5585	5285	5346	4.02	cps
Uranium	238-1	13032	13299	12874	13069	1.65	cps
Vanadium	51-2	4698	4911	4754	4788	2.31	cps
Yttrium	89-1	6861243	6917928	6715454	6831542	1.53	cps
Yttrium	89-2	355400	340952	346443	347598	2.10	cps
Zinc	66-2	537	540	457	511	9.23	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:10:46	DataFile Name :	023LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	11255	11030	12056	11447	4.71	cps
Zirconium	91-1	2667	2575	2425	2556	4.78	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	K1792-04DLX2	Instrumnet Name :	P8
Client Sample ID :	MC0959	Dilution Factor :	2
Date & Time Acquired ::	2019-03-15 15:14:15	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65	60	80	68	15.23	cps
Antimony	121-1	2159	2459	2342	2320	6.52	cps
Arsenic	75-2	46	50	48	48	3.84	cps
Barium	135-1	66308	68787	67012	67369	1.90	cps
Barium	137-1	117687	120008	117991	118562	1.06	cps
Beryllium	9-1	140	123	103	122	15.02	cps
Bismuth	209-1	3509542	2610306	2885780	3001876	15.35	cps
Bismuth	209-2	1342963	1356589	1324210	1341254	1.21	cps
Boron	11-1	31928	33064	31669	32220	2.30	cps
Boron	10-1	6560	6744	6794	6699	1.83	cps
Cadmium	106-1	1417	1408	1075	1300	14.99	cps
Cadmium	108-1	25	17	8	17	50.01	cps
Cadmium	111-1	999	999	784	928	13.38	cps
Calcium	43-1	6997927	7215327	7164610	7125955	1.60	cps
Calcium	44-1	115774815	118050745	116187308	116670956	1.04	cps
Chromium	52-2	752387	753224	756881	754164	0.32	cps
Cobalt	59-2	993	930	850	924	7.77	cps
Copper	63-2	5258	5738	5448	5481	4.41	cps
Dysprosium	156-1	17	25	17	19	24.73	cps
Dysprosium	156-2	3	7	17	9	78.08	cps
Erbium	164-1	67	50	58	58	14.29	cps
Erbium	164-2	3	7	3	4	43.40	cps
Gadolinium	160-1	8	67	42	39	75.26	cps
Gadolinium	160-2	10	17	10	12	31.50	cps
Holmium	165-1	6216460	4803516	5245947	5421974	13.33	cps
Holmium	165-2	1992337	2031521	1999879	2007912	1.04	cps
Indium	115-1	5881772	4493815	4897494	5091027	14.02	cps
Indium	115-2	418747	422607	419907	420420	0.47	cps
Iron	56-2	5863	6324	6107	6098	3.78	cps
Iron	57-2	383	289	361	344	14.34	cps
Krypton	83-1	1037	927	977	980	5.62	cps
Lead	207-1	711	733	656	700	5.72	cps
Lead	208-1	3273	3084	2778	3045	8.20	cps
Lead	206-1	822	772	689	761	8.85	cps
Lithium	6-1	1492474	1182476	1302946	1325965	11.79	cps
Magnesium	24-2	4540545	4585517	4577251	4567771	0.52	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	K1792-04DLX2	Instrumnet Name :	P8
Client Sample ID :	MC0959	Dilution Factor :	2
Date & Time Acquired ::	2019-03-15 15:14:15	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	183	243	253	227	16.70	cps
Molybdenum	94-1	10304	10313	10638	10418	1.83	cps
Molybdenum	95-1	16853	17896	17412	17387	3.00	cps
Molybdenum	96-1	19148	19064	18780	18997	1.01	cps
Molybdenum	97-1	11639	10955	11372	11322	3.04	cps
Molybdenum	98-1	28230	28556	29566	28784	2.42	cps
Neodymium	150-1	13	20	33	22	45.83	cps
Neodymium	150-2	0	7	10	6	91.64	cps
Nickel	60-2	10701	10134	10524	10453	2.78	cps
Phosphorus	31-2	42	0	0	14	173.21	cps
Potassium	39-2	89200	87111	88067	88126	1.19	cps
Rhodium	103-1	5468276	4261708	4633650	4787878	12.91	cps
Rhodium	103-2	1924138	1910306	1928496	1920980	0.49	cps
Scandium	45-1	4472753	3459360	3739280	3890464	13.45	cps
Scandium	45-2	57356	59325	58043	58241	1.72	cps
Selenium	77-2	3	3	7	4	43.40	cps
Selenium	78-2	7	6	9	7	24.97	cps
Selenium	82-1	108	214	194	172	32.83	cps
Silicon	28-1	1763126	1816336	1831406	1803623	1.99	cps
Silver	109-1	1792	2042	2117	1984	8.58	cps
Silver	107-1	1950	2209	2292	2150	8.29	cps
Sodium	23-2	5117340	5115953	5122100	5118464	0.06	cps
Strontium	86-1	831852	846587	836294	838244	0.90	cps
Strontium	88-1	7165127	7169945	7182197	7172423	0.12	cps
Sulfur	34-1	1903741	1935389	1916310	1918480	0.83	cps
Terbium	159-1	6533635	5087614	5452794	5691347	13.21	cps
Terbium	159-2	2014280	2003060	1980888	1999409	0.85	cps
Thallium	203-1	500	475	325	433	21.84	cps
Thallium	205-1	1025	1075	817	972	14.09	cps
Tin	118-1	850	925	900	892	4.28	cps
Titanium	47-1	333	333	292	319	7.53	cps
Uranium	238-1	1417	1392	1433	1414	1.48	cps
Vanadium	51-2	690	723	687	700	2.90	cps
Yttrium	89-1	6840289	5221114	5841582	5967662	13.69	cps
Yttrium	89-2	339786	340363	342806	340985	0.47	cps
Zinc	66-2	160	173	203	179	12.41	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	K1792-04DLX2	Instrumnet Name :	P8
Client Sample ID :	MC0959	Dilution Factor :	2
Date & Time Acquired ::	2019-03-15 15:14:15	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	967	1067	1092	1042	6.35	cps
Zirconium	91-1	175	192	192	186	5.17	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : CCV047 Instrumnet Name : P8
 Client Sample ID : CCV047 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 15:18:51 DataFile Name : 025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	678362	683699	680763	680942	0.39	cps
Antimony	121-1	4053048	4106362	4036577	4065329	0.90	cps
Arsenic	75-2	87003	85278	86105	86128	1.00	cps
Barium	135-1	4074696	4060793	4032423	4055971	0.53	cps
Barium	137-1	7033903	6997247	7046159	7025770	0.36	cps
Beryllium	9-1	971198	971301	972684	971728	0.09	cps
Bismuth	209-1	3593986	3466674	3589107	3549922	2.03	cps
Bismuth	209-2	1452940	1462015	1449993	1454982	0.43	cps
Boron	11-1	524549	543484	549855	539296	2.44	cps
Boron	10-1	112445	114530	117730	114902	2.32	cps
Cadmium	106-1	95857	97107	96796	96587	0.67	cps
Cadmium	108-1	67330	66245	66911	66829	0.82	cps
Cadmium	111-1	914226	915946	920095	916756	0.33	cps
Calcium	43-1	5440402	5492984	5477462	5470283	0.49	cps
Calcium	44-1	88992115	89625765	89532179	89383353	0.38	cps
Chromium	52-2	660769	660499	659311	660193	0.12	cps
Cobalt	59-2	1258983	1257137	1252290	1256137	0.28	cps
Copper	63-2	1968085	2014851	1967996	1983644	1.36	cps
Dysprosium	156-1	67	58	83	69	18.33	cps
Dysprosium	156-2	10	7	13	10	33.30	cps
Erbium	164-1	42	42	58	47	20.38	cps
Erbium	164-2	13	13	13	13	0.00	cps
Gadolinium	160-1	83	58	42	61	34.32	cps
Gadolinium	160-2	17	10	20	16	32.73	cps
Holmium	165-1	6521570	6331365	6434391	6429108	1.48	cps
Holmium	165-2	2143076	2181770	2130782	2151876	1.24	cps
Indium	115-1	5845168	5692453	5862367	5799996	1.61	cps
Indium	115-2	428167	431853	424434	428151	0.87	cps
Iron	56-2	110912608	110051344	110652264	110538739	0.40	cps
Iron	57-2	2820975	2825302	2812747	2819675	0.23	cps
Krypton	83-1	1163	1077	960	1067	9.57	cps
Lead	207-1	1728926	1734590	1691250	1718256	1.37	cps
Lead	208-1	7827436	7726498	7697873	7750603	0.88	cps
Lead	206-1	1915244	1879788	1898267	1897766	0.93	cps
Lithium	6-1	1460646	1437404	1441712	1446587	0.85	cps
Magnesium	24-2	13475187	13455613	13411640	13447480	0.24	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV047	Instrumnet Name :	P8
Client Sample ID :	CCV047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:18:51	DataFile Name :	025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	414452	409764	411353	411856	0.58	cps
Molybdenum	94-1	7639853	7639066	7656947	7645289	0.13	cps
Molybdenum	95-1	9571089	9694823	9641877	9635930	0.64	cps
Molybdenum	96-1	10638774	10743528	10604857	10662386	0.68	cps
Molybdenum	97-1	5983272	6017935	6031642	6010950	0.41	cps
Molybdenum	98-1	15325289	15505626	15378605	15403173	0.60	cps
Neodymium	150-1	187	213	260	220	16.87	cps
Neodymium	150-2	13	7	10	10	33.30	cps
Nickel	60-2	350767	352806	350493	351355	0.36	cps
Phosphorus	31-2	10371	10538	10763	10557	1.86	cps
Potassium	39-2	4289623	4305131	4322087	4305614	0.38	cps
Rhodium	103-1	5583261	5409117	5560914	5517764	1.72	cps
Rhodium	103-2	1989637	1990320	1961754	1980570	0.82	cps
Scandium	45-1	4511712	4381253	4556423	4483129	2.03	cps
Scandium	45-2	59254	59542	59288	59361	0.27	cps
Selenium	77-2	707	653	707	689	4.47	cps
Selenium	78-2	2321	2448	2391	2387	2.68	cps
Selenium	82-1	64086	64781	64492	64453	0.54	cps
Silicon	28-1	2667159	2703944	2683406	2684836	0.69	cps
Silver	109-1	4124690	4048120	4124815	4099208	1.08	cps
Silver	107-1	4256915	4240479	4263671	4253688	0.28	cps
Sodium	23-2	31381363	31244967	31496161	31374164	0.40	cps
Strontium	86-1	1416156	1391808	1381640	1396535	1.27	cps
Strontium	88-1	11756929	11720856	11714115	11730633	0.20	cps
Sulfur	34-1	847071	851347	851140	849853	0.28	cps
Terbium	159-1	6822558	6630897	6761913	6738456	1.45	cps
Terbium	159-2	2147585	2144250	2126207	2139347	0.54	cps
Thallium	203-1	2426495	2439584	2386622	2417567	1.14	cps
Thallium	205-1	5615715	5680627	5585373	5627238	0.86	cps
Tin	118-1	2760779	2770229	2739015	2756674	0.58	cps
Titanium	47-1	2782471	2848448	2786316	2805745	1.32	cps
Uranium	238-1	7178328	7100737	7161252	7146772	0.57	cps
Vanadium	51-2	503045	506273	507605	505641	0.46	cps
Yttrium	89-1	7067374	6788971	7084641	6980329	2.38	cps
Yttrium	89-2	353345	352320	354169	353278	0.26	cps
Zinc	66-2	218285	217750	220612	218882	0.70	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCV047	Instrumnet Name :	P8
Client Sample ID :	CCV047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:18:51	DataFile Name :	025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6351455	6359056	6437352	6382621	0.75	cps
Zirconium	91-1	1433432	1444311	1421755	1433166	0.79	cps

LB Number : LB101411 Operator : Jaswal
 Lab Sample ID : CCB047 Instrumnet Name : P8
 Client Sample ID : CCB047 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-15 15:22:06 DataFile Name : 026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	68	35	43	48	35.21	cps
Antimony	121-1	1667	2059	1759	1828	11.21	cps
Arsenic	75-2	13	31	7	17	72.93	cps
Barium	135-1	58	8	67	44	70.99	cps
Barium	137-1	75	50	92	72	29.04	cps
Beryllium	9-1	313	230	197	247	24.36	cps
Bismuth	209-1	3956626	3710502	3700422	3789183	3.83	cps
Bismuth	209-2	1486789	1503816	1510985	1500530	0.83	cps
Boron	11-1	21725	21133	19556	20805	5.39	cps
Boron	10-1	4768	4376	3817	4320	11.05	cps
Cadmium	106-1	1525	1575	1475	1525	3.28	cps
Cadmium	108-1	13	13	8	11	21.67	cps
Cadmium	111-1	1088	1123	1048	1086	3.48	cps
Calcium	43-1	627	630	623	627	0.53	cps
Calcium	44-1	32381	31529	31322	31744	1.77	cps
Chromium	52-2	1717	1487	1560	1588	7.40	cps
Cobalt	59-2	147	190	113	150	25.63	cps
Copper	63-2	970	980	853	934	7.54	cps
Dysprosium	156-1	8	17	8	11	43.34	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	42	33	17	31	41.66	cps
Erbium	164-2	3	7	3	4	43.40	cps
Gadolinium	160-1	42	25	83	50	60.09	cps
Gadolinium	160-2	7	10	13	10	33.30	cps
Holmium	165-1	6811298	6296888	6238083	6448756	4.89	cps
Holmium	165-2	2074949	2087279	2109397	2090541	0.83	cps
Indium	115-1	6346848	5954513	5865712	6055691	4.23	cps
Indium	115-2	429897	429891	430250	430012	0.05	cps
Iron	56-2	4645	4623	4095	4455	6.99	cps
Iron	57-2	117	106	189	137	33.02	cps
Krypton	83-1	890	1080	1060	1010	10.34	cps
Lead	207-1	1183	1161	1211	1185	2.11	cps
Lead	208-1	5128	5101	4789	5006	3.76	cps
Lead	206-1	1156	1200	1039	1132	7.35	cps
Lithium	6-1	1576663	1518568	1459325	1518185	3.86	cps
Magnesium	24-2	658	683	650	664	2.61	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCB047	Instrumnet Name :	P8
Client Sample ID :	CCB047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:22:06	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	73	97	87	86	13.69	cps
Molybdenum	94-1	792	825	808	808	2.06	cps
Molybdenum	95-1	717	708	583	669	11.16	cps
Molybdenum	96-1	992	750	750	831	16.80	cps
Molybdenum	97-1	567	450	417	478	16.49	cps
Molybdenum	98-1	1075	1017	1017	1036	3.25	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	73	103	67	81	24.08	cps
Phosphorus	31-2	8	8	25	14	69.31	cps
Potassium	39-2	7828	7477	7552	7619	2.42	cps
Rhodium	103-1	6109522	5739627	5690729	5846626	3.92	cps
Rhodium	103-2	2028559	2012351	2055480	2032130	1.07	cps
Scandium	45-1	4662245	4380937	4343183	4462122	3.91	cps
Scandium	45-2	55747	56158	56439	56115	0.62	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	4	6	4	4	24.86	cps
Selenium	82-1	127	-63	-22	14	700.77	cps
Silicon	28-1	435116	432029	432398	433181	0.39	cps
Silver	109-1	575	642	625	614	5.65	cps
Silver	107-1	717	525	633	625	15.38	cps
Sodium	23-2	19706	19364	19539	19536	0.88	cps
Strontium	86-1	1508	1767	1667	1647	7.91	cps
Strontium	88-1	183	167	225	192	15.68	cps
Sulfur	34-1	499081	498914	496195	498063	0.33	cps
Terbium	159-1	7090035	6694207	6502913	6762385	4.43	cps
Terbium	159-2	2060871	2055387	2070345	2062201	0.37	cps
Thallium	203-1	583	583	508	558	7.76	cps
Thallium	205-1	1392	1200	1342	1311	7.58	cps
Tin	118-1	708	808	825	781	8.08	cps
Titanium	47-1	125	158	233	172	32.22	cps
Uranium	238-1	117	75	67	86	31.11	cps
Vanadium	51-2	17	20	13	17	20.01	cps
Yttrium	89-1	7304458	6967074	6846505	7039346	3.37	cps
Yttrium	89-2	340024	340725	343093	341281	0.47	cps
Zinc	66-2	47	67	83	66	28.01	cps

LB Number :	LB101411	Operator :	Jaswal
Lab Sample ID :	CCB047	Instrumnet Name :	P8
Client Sample ID :	CCB047	Dilution Factor :	1
Date & Time Acquired ::	2019-03-15 15:22:06	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	925	850	842	872	5.26	cps
Zirconium	91-1	183	158	175	172	7.39	cps