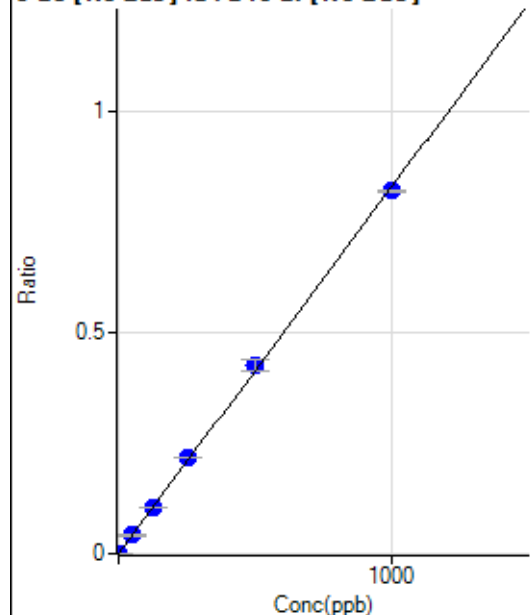


Calibration for 005CALB.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\P8020720-MS.b\
 Analysis File: P8020720-MS.batch.bin
 DA Date-Time: 2020-02-07 17:21:09
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	005CALB.d	S00	2020-02-07 15:21:26
2	006CALS.d	S02	2020-02-07 15:24:27
3	007CALS.d	S03	2020-02-07 15:27:25
4	008CALS.d	S04	2020-02-07 15:30:25
5	009CALS.d	S05	2020-02-07 15:33:23
6	010CALS.d	S06	2020-02-07 15:36:24
7	011CALS.d	S07	2020-02-07 15:39:22
8	012CALS.d	S08	2020-02-07 15:42:23

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	20.00	0.0000	P	43.6
2	☐	1.000	0.920	567.90	0.0008	P	11.6
3	☐	50.000	49.907	29862.15	0.0414	P	0.4
4	☐	125.000	126.557	74240.42	0.1049	P	1.1
5	☐	250.000	262.119	160118.47	0.2173	P	1.5
6	☐	500.000	513.899	303570.45	0.4260	P	5.5
7	☐	1000.000	989.831	649756.35	0.8204	P	0.8
8	☐			247.29	0.0003	P	18.1

$$y = 8.2884\text{E-}004 * x + 2.8772\text{E-}005$$

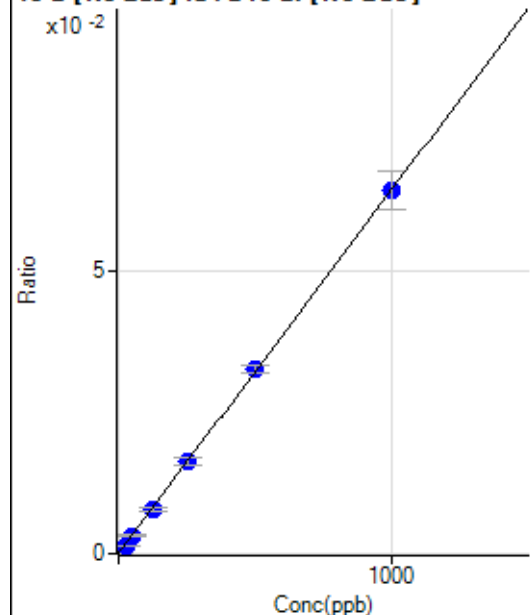
$$R = 0.9998$$

$$DL = 0.04541$$

$$BEC = 0.03471$$

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	55.99	0.0001	P	3.0
2	☐	25.000	19.484	954.51	0.0013	P	15.3
3	☐	50.000	47.422	2252.40	0.0031	P	7.3
4	☐	125.000	120.599	5531.98	0.0078	P	9.7
5	☐	250.000	251.545	11943.17	0.0162	P	9.4
6	☐	500.000	506.047	23263.80	0.0325	P	3.7
7	☐	1000.000	997.407	50721.29	0.0641	P	10.5
8	☐			8618.19	0.0114	P	11.2

$$y = 6.4141\text{E-}005 * x + 8.0522\text{E-}005$$

$$R = 0.9999$$

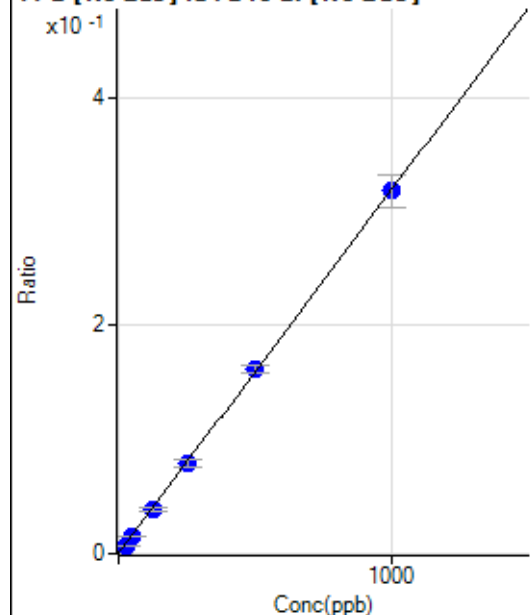
$$DL = 0.1146$$

$$BEC = 1.255$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	192.63	0.0003	P	10.5
2	☐	25.000	19.261	4606.49	0.0064	P	10.9
3	☐	50.000	46.995	11014.63	0.0153	P	8.4
4	☐	125.000	121.537	27632.44	0.0390	P	5.9
5	☐	250.000	248.936	58695.70	0.0797	P	9.3
6	☐	500.000	507.587	115997.45	0.1622	P	4.8
7	☐	1000.000	997.199	252120.63	0.3184	P	8.8
8	☐			42944.21	0.0568	P	10.7

$$y = 3.1900\text{E-}004 * x + 2.7705\text{E-}004$$

$$R = 0.9999$$

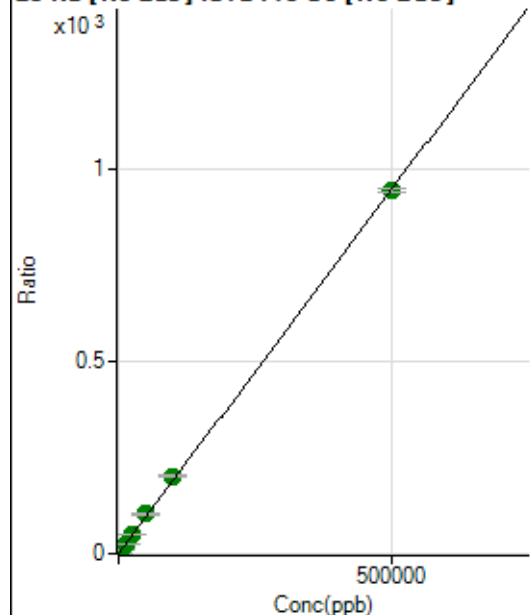
$$DL = 0.2738$$

$$BEC = 0.8685$$

Weight: <None>

Min Conc: 0

23 Na [No Gas] ISTD:45 Sc [No Gas]



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	808649.55	0.3329	P	1.7
2	☐	500.000	476.782	3073121.16	1.2338	A	1.0
3	☐	5000.000	5153.223	25473559.60	10.0694	A	1.9
4	☐	12500.000	13547.561	63027909.74	25.9297	A	1.6
5	☐	25000.000	26781.363	131912968.23	50.9336	A	1.6
6	☐	50000.000	54522.156	258206141.88	103.346	A	7.3
7	☐	100000.00	105881.00	555106612.41	200.384	A	2.7
8	☐	500000.00	498254.81	2535574767.7	941.734	A	0.9

$$y = 0.0019 * x + 0.3329$$

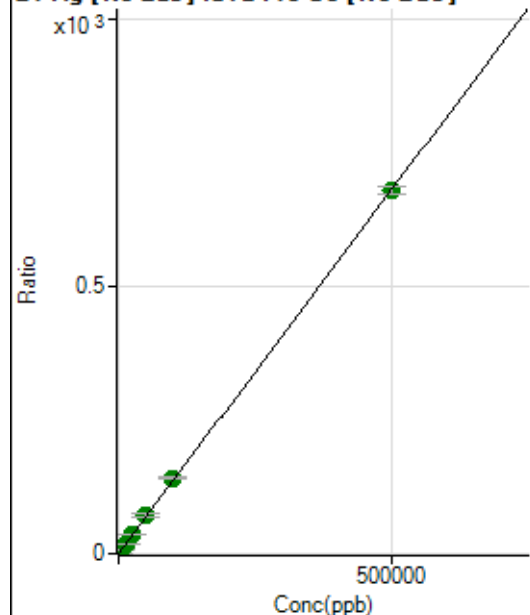
$$R = 0.9999$$

$$DL = 9.25$$

$$BEC = 176.2$$

Weight: <None>

Min Conc: 0

24 Mg [No Gas] ISTD:45 Sc [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	9547.82	0.0039	P	2.8
2	☐	500.000	496.538	1690269.65	0.6786	A	1.1
3	☐	5000.000	5116.168	17596429.38	6.9551	A	0.9
4	☐	12500.000	13360.921	44134929.81	18.1569	A	0.1
5	☐	25000.000	26961.131	94885237.54	36.6351	A	1.5
6	☐	50000.000	53378.391	181181823.49	72.5273	A	7.5
7	☐	100000.00	104203.44	392229322.66	141.581	A	2.3
8	☐	500000.00	498700.73	1824027974.1	677.571	A	2.1

$$y = 0.0014 * x + 0.0039$$

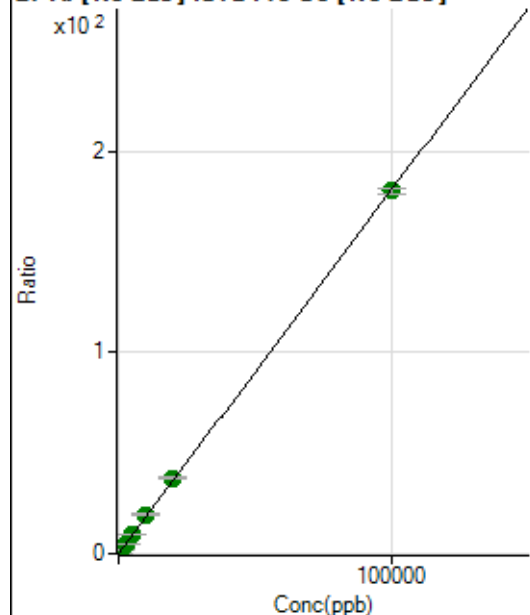
$$R = 0.9999$$

$$DL = 0.243$$

$$BEC = 2.893$$

Weight: <None>

Min Conc: 0

27 Al [No Gas] ISTD:45 Sc [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6020.85	0.0025	P	2.8
2	☐	20.000	19.992	96248.71	0.0386	P	1.3
3	☐	1000.000	1024.367	4693910.95	1.8554	A	1.6
4	☐	2500.000	2670.461	11747497.14	4.8329	A	0.3
5	☐	5000.000	5382.496	25222572.09	9.7385	A	0.9
6	☐	10000.000	10757.563	48633956.30	19.4610	A	6.8
7	☐	20000.000	20792.485	104194799.55	37.6124	A	2.6
8	☐	100000.00	99742.117	485835849.75	180.418	A	1.7

$$y = 0.0018 * x + 0.0025$$

$$R = 0.9999$$

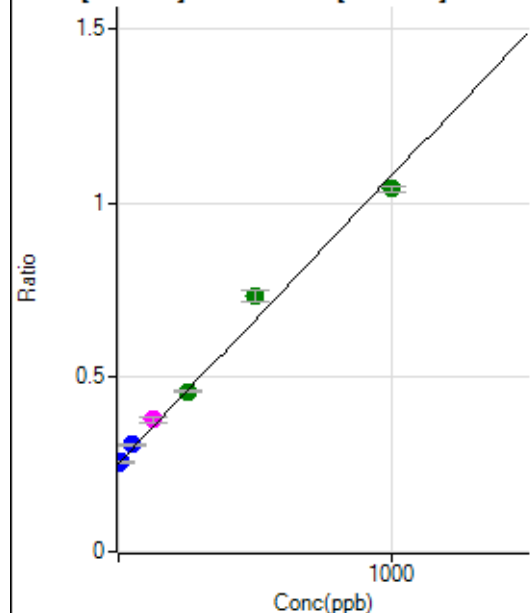
$$DL = 0.1149$$

$$BEC = 1.37$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	616648.64	0.2539	P	1.4
2	☐	10.000	3.511	639567.03	0.2568	P	1.4
3	☐	50.000	64.652	777276.68	0.3073	P	2.3
4	☐	125.000	152.762	923727.73	0.3800	M	4.4
5	☐	250.000	250.621	1193524.23	0.4608	A	0.8
6	☐	500.000	583.201	1839814.54	0.7355	A	4.6
7	☐	1000.000	954.106	2886371.27	1.0418	A	1.4
8	☐			871733.82	0.3238	M	2.7

$$y = 8.2579\text{E-}004 * x + 0.2539$$

R = 0.9943

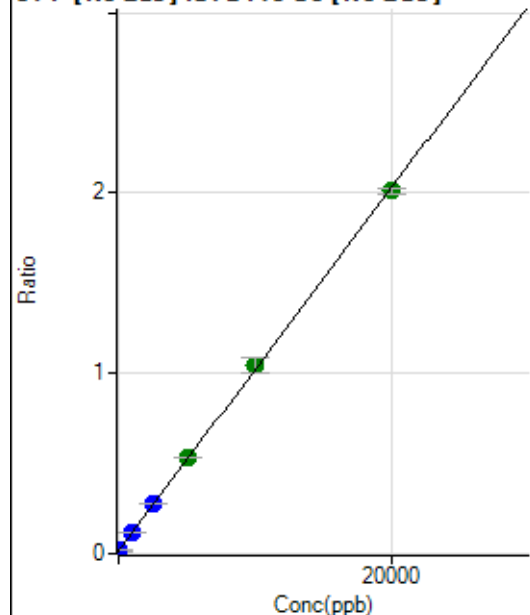
DL = 13.14

BEC = 307.4

Weight: <None>

Min Conc: 0

31 P [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-23.980	31334.32	0.0129	P	1.6
2	☐	0.000	23.980	44151.21	0.0177	P	3.4
3	☐	1000.000	967.769	285187.87	0.1127	P	0.9
4	☐	2500.000	2592.226	671417.37	0.2762	P	0.7
5	☐	5000.000	5186.573	1391695.33	0.5373	A	0.1
6	☐	10000.000	10231.203	2610966.75	1.0451	A	7.4
7	☐	20000.000	19827.838	5571567.83	2.0110	A	1.8
8	☐			35129.33	0.0130	P	0.4

$$y = 1.0065\text{E-}004 * x + 0.0153$$

R = 0.9998

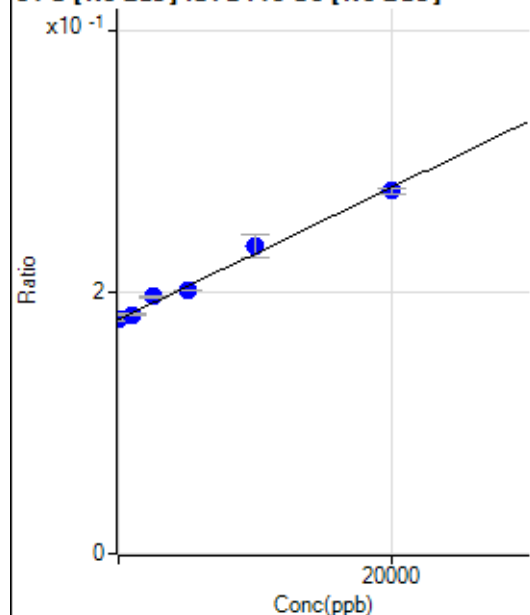
DL = 12.01

BEC = 152.2

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	12.239	434117.73	0.1787	P	2.1
2	☐	0.000	-12.239	444910.21	0.1786	P	0.9
3	☐	1000.000	807.775	462371.46	0.1828	P	1.3
4	☐	2500.000	3455.647	476748.09	0.1961	P	0.2
5	☐	5000.000	4461.902	521133.79	0.2012	P	0.4
6	☐	10000.000	11122.024	586694.26	0.2349	P	7.5
7	☐	20000.000	19463.668	767393.94	0.2770	P	1.9
8	☐			428991.99	0.1593	P	0.9

$$y = 5.0504\text{E-}006 * x + 0.1787$$

$$R = 0.9958$$

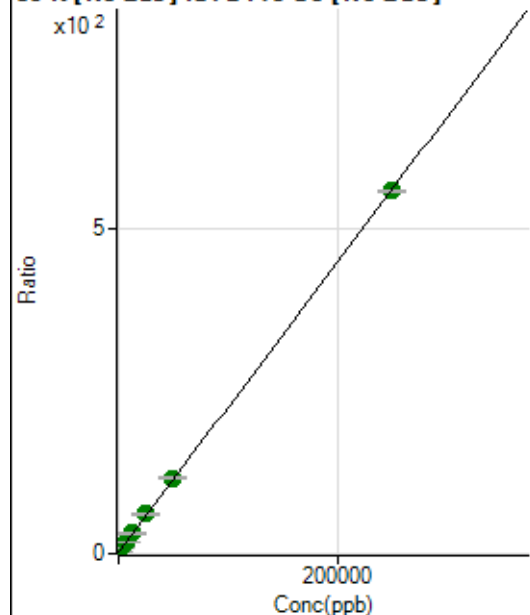
$$DL = 1598$$

$$BEC = 3.538\text{E}+04$$

Weight: <None>

Min Conc: 0

39 K [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4412067.24	1.8167	A	2.4
2	☐	500.000	451.585	7028062.48	2.8215	A	0.9
3	☐	2500.000	2543.606	18915136.53	7.4768	A	1.6
4	☐	6250.000	6575.534	39981713.05	16.4487	A	1.2
5	☐	12500.000	13119.293	80315560.13	31.0100	A	0.9
6	☐	25000.000	26479.394	151677108.95	60.7393	A	8.4
7	☐	50000.000	51404.224	321921304.42	116.202	A	2.3
8	☐	250000.00	249531.77	1500068377.9	557.080	A	0.6

$$y = 0.0022 * x + 1.8167$$

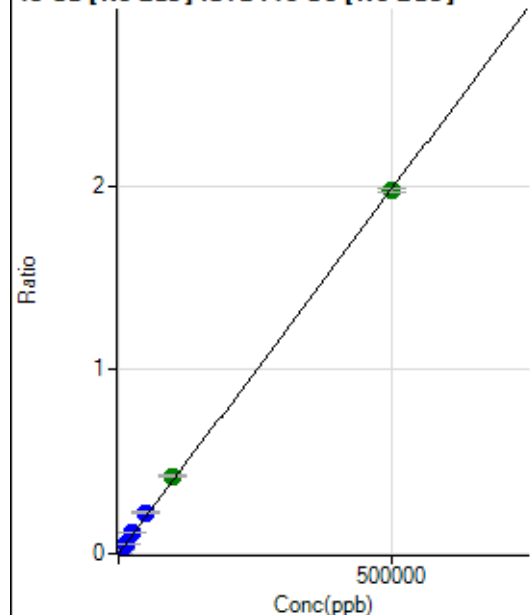
$$R = 1.0000$$

$$DL = 59.21$$

$$BEC = 816.4$$

Weight: <None>

Min Conc: 0

43 Ca [No Gas] ISTD:45 Sc [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	608.36	0.0003	P	7.7
2	☐	500.000	498.234	5534.55	0.0022	P	6.3
3	☐	5000.000	5295.266	53648.03	0.0212	P	3.2
4	☐	12500.000	13890.410	134247.79	0.0552	P	1.0
5	☐	25000.000	27822.000	285852.52	0.1104	P	0.7
6	☐	50000.000	55986.903	554472.39	0.2218	P	6.5
7	☐	100000.00	106545.08	1168774.32	0.4220	A	3.5
8	☐	500000.00	497913.48	5306775.38	1.9710	A	1.0

$$y = 3.9580E-006 * x + 2.5052E-004$$

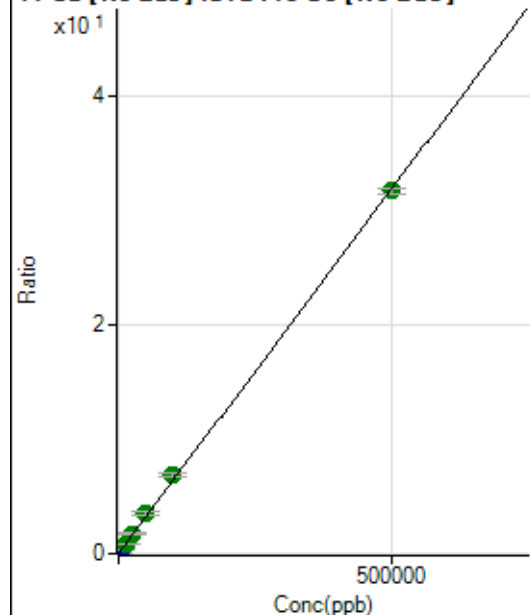
$$R = 0.9999$$

$$DL = 14.67$$

$$BEC = 63.3$$

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	41956.53	0.0173	P	2.2
2	☐	500.000	504.166	122886.83	0.0493	P	1.0
3	☐	5000.000	5474.383	924429.64	0.3654	P	0.9
4	☐	12500.000	13839.471	2181116.48	0.8973	A	0.4
5	☐	25000.000	27424.384	4561254.35	1.7612	A	1.6
6	☐	50000.000	54879.094	8765787.44	3.5070	A	6.3
7	☐	100000.00	108094.81	19088101.47	6.8909	A	3.1
8	☐	500000.00	497733.67	85257032.46	31.6674	A	1.3

$$y = 6.3589E-005 * x + 0.0173$$

$$R = 0.9998$$

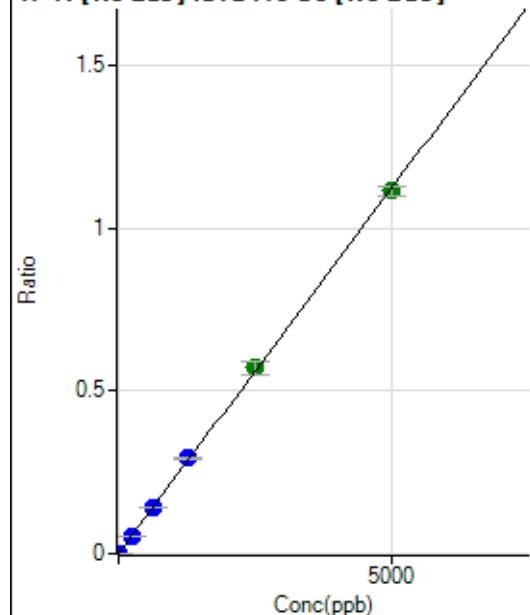
$$DL = 18.13$$

$$BEC = 271.7$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	913.94	0.0004	P	2.5
2	☐	10.000	4.482	3444.94	0.0014	P	1.9
3	☐	250.000	241.708	138318.58	0.0547	P	1.8
4	☐	625.000	637.800	349173.89	0.1436	P	0.7
5	☐	1250.000	1302.663	758872.00	0.2930	P	1.0
6	☐	2500.000	2539.745	1426138.16	0.5709	A	7.6
7	☐	5000.000	4965.787	3091549.85	1.1159	A	2.4
8	☐			1794.60	0.0007	P	3.0

$$y = 2.2464\text{E-}004 * x + 3.7614\text{E-}004$$

$$R = 0.9999$$

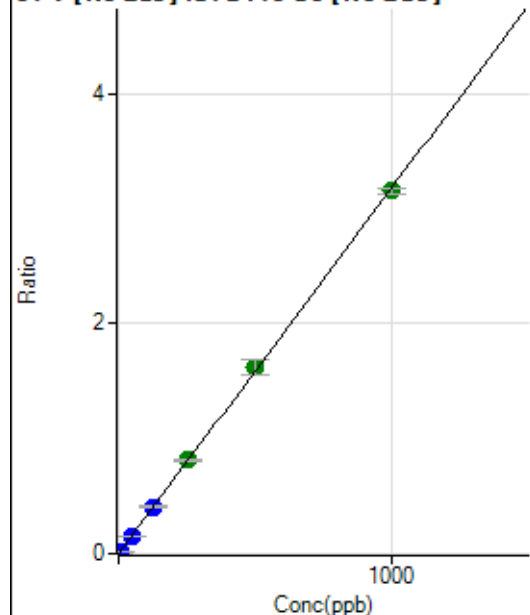
$$DL = 0.1245$$

$$BEC = 1.674$$

Weight: <None>

Min Conc: 0

51 V [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	572.25	0.0002	P	4.1
2	☐	5.000	4.903	39340.86	0.0158	P	3.7
3	☐	50.000	49.106	394906.99	0.1561	P	0.9
4	☐	125.000	128.529	992077.64	0.4081	P	1.1
5	☐	250.000	257.034	2113433.75	0.8160	A	1.9
6	☐	500.000	509.879	4042995.40	1.6184	A	7.6
7	☐	1000.000	992.906	8731397.33	3.1514	A	1.5
8	☐			5584.58	0.0021	P	1.4

$$y = 0.0032 * x + 2.3564\text{E-}004$$

$$R = 0.9999$$

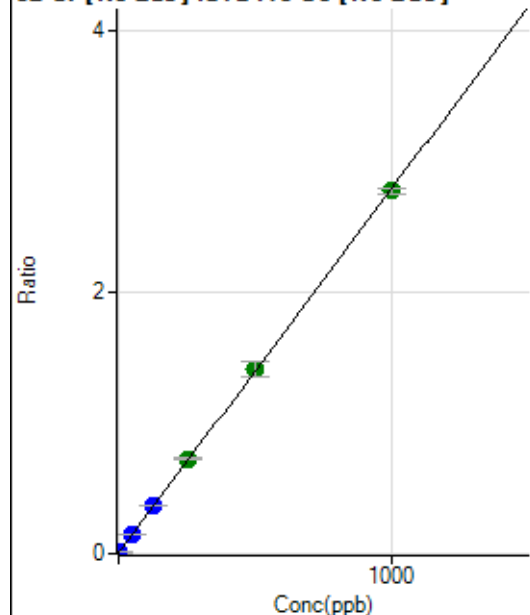
$$DL = 0.009187$$

$$BEC = 0.07425$$

Weight: <None>

Min Conc: 0

52 Cr [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	12622.51	0.0052	P	2.9
2	☐	2.000	1.856	25804.44	0.0104	P	3.1
3	☐	50.000	49.611	362365.88	0.1432	P	1.0
4	☐	125.000	128.461	881384.17	0.3626	P	1.1
5	☐	250.000	258.592	1876848.00	0.7247	A	0.8
6	☐	500.000	505.585	3527048.25	1.4119	A	7.5
7	☐	1000.000	994.647	7682161.02	2.7726	A	1.4
8	☐			140912.43	0.0523	P	1.9

$$y = 0.0028 * x + 0.0052$$

$$R = 0.9999$$

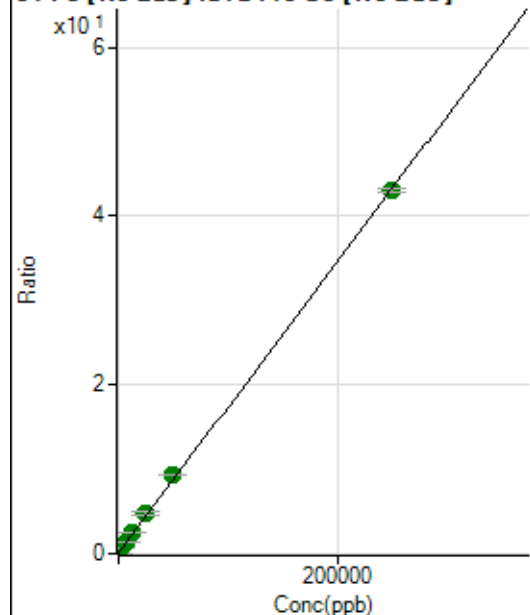
$$DL = 0.1631$$

$$BEC = 1.868$$

Weight: <None>

Min Conc: 0

54 Fe [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	252488.70	0.1039	P	0.9
2	☐	50.000	36.709	274641.35	0.1103	P	1.1
3	☐	2500.000	2766.569	1468046.50	0.5803	A	1.4
4	☐	6250.000	6853.983	3120983.86	1.2840	A	0.8
5	☐	12500.000	13795.439	6421008.78	2.4791	A	2.4
6	☐	25000.000	27316.057	12013678.40	4.8069	A	6.6
7	☐	50000.000	53357.387	25741543.11	9.2904	A	1.2
8	☐	250000.00	249014.38	115710062.31	42.9763	A	0.9

$$y = 1.7217E-004 * x + 0.1039$$

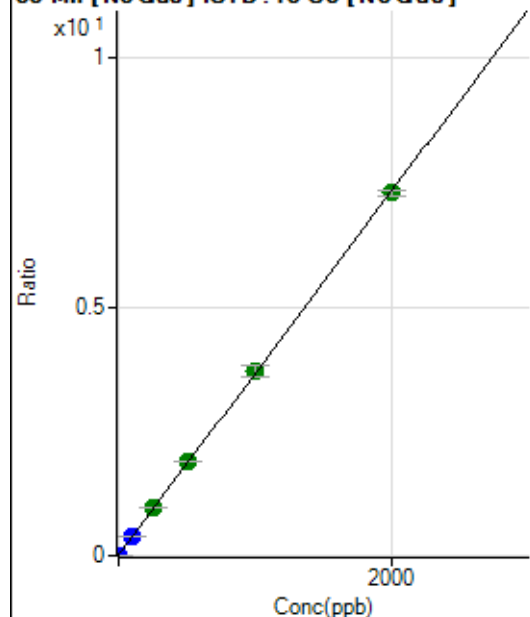
$$R = 0.9999$$

$$DL = 15.73$$

$$BEC = 603.7$$

Weight: <None>

Min Conc: 0

55 Mn [No Gas] ISTD:45 Sc [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	18904.64	0.0078	P	5.5
2	☐	1.000	0.884	27440.73	0.0110	P	2.1
3	☐	100.000	100.432	948547.08	0.3749	P	1.2
4	☐	250.000	258.446	2315273.71	0.9525	A	0.8
5	☐	500.000	514.200	4888325.67	1.8874	A	1.1
6	☐	1000.000	1008.784	9235572.34	3.6953	A	6.6
7	☐	2000.000	1990.981	20185783.78	7.2856	A	1.4
8	☐			116532.10	0.0433	P	0.7

$$y = 0.0037 * x + 0.0078$$

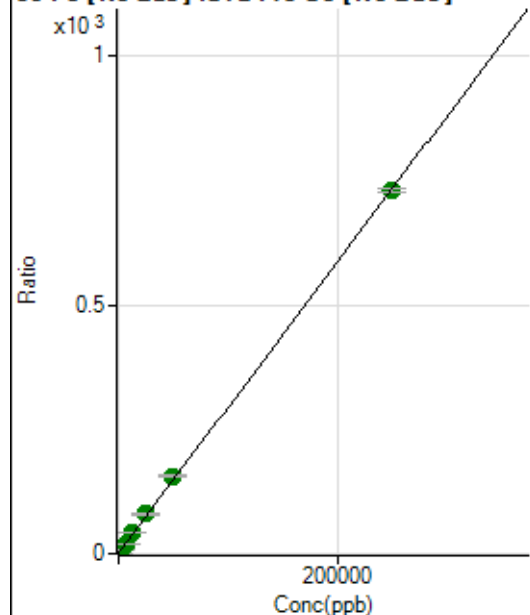
$$R = 1.0000$$

$$DL = 0.3498$$

$$BEC = 2.13$$

Weight: <None>

Min Conc: 0

56 Fe [No Gas] ISTD:45 Sc [No Gas]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2825519.92	1.1634	A	2.3
2	☐	50.000	39.313	3183732.04	1.2782	A	2.6
3	☐	2500.000	2589.715	22084652.40	8.7292	A	1.1
4	☐	6250.000	6766.378	50877422.67	20.9312	A	1.1
5	☐	12500.000	13592.503	105862256.53	40.8736	A	0.8
6	☐	25000.000	26914.303	199534437.80	79.7930	A	5.4
7	☐	50000.000	52862.394	431107065.19	155.599	A	1.6
8	☐	250000.00	249167.66	1963127243.8	729.102	A	1.0

$$y = 0.0029 * x + 1.1634$$

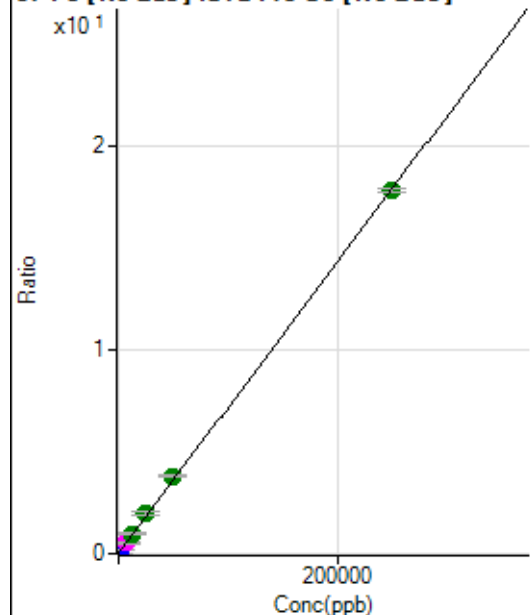
$$R = 0.9999$$

$$DL = 27.93$$

$$BEC = 398.2$$

Weight: <None>

Min Conc: 0

57 Fe [No Gas] ISTD:45 Sc [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	42892.98	0.0177	P	3.1
2	☐	50.000	50.305	52945.86	0.0213	P	1.5
3	☐	2500.000	2704.700	533290.91	0.2108	P	0.6
4	☐	6250.000	7032.643	1263489.80	0.5198	M	0.7
5	☐	12500.000	13597.813	2560318.29	0.9886	A	0.7
6	☐	25000.000	27255.866	4905154.23	1.9637	A	7.8
7	☐	50000.000	52831.727	10500067.94	3.7899	A	1.9
8	☐	250000.00	249131.56	47945035.79	17.8057	A	1.0

$$y = 7.1400\text{E-}005 * x + 0.0177$$

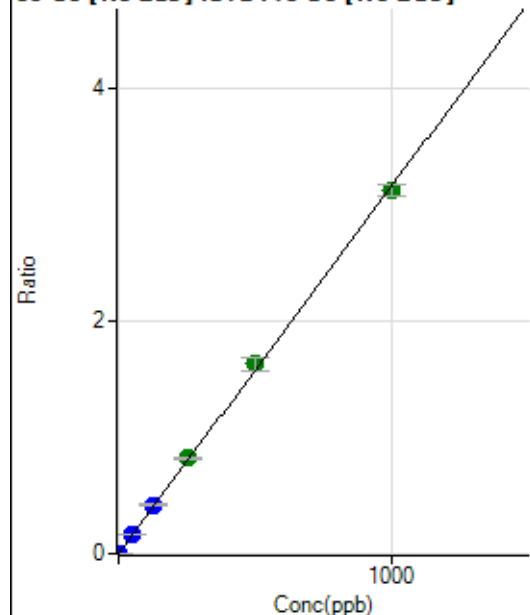
R = 0.9999

DL = 22.94

BEC = 247.4

Weight: <None>

Min Conc: 0

59 Co [No Gas] ISTD:45 Sc [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	644.48	0.0003	P	4.1
2	☐	1.000	0.956	8188.70	0.0033	P	4.4
3	☐	50.000	51.456	412372.98	0.1630	P	1.8
4	☐	125.000	132.995	1023038.73	0.4209	P	1.3
5	☐	250.000	260.666	2135857.27	0.8247	A	1.5
6	☐	500.000	517.320	4088275.79	1.6364	A	7.4
7	☐	1000.000	987.601	8652888.56	3.1237	A	3.1
8	☐			17491.69	0.0065	P	1.9

$$y = 0.0032 * x + 2.6525\text{E-}004$$

R = 0.9997

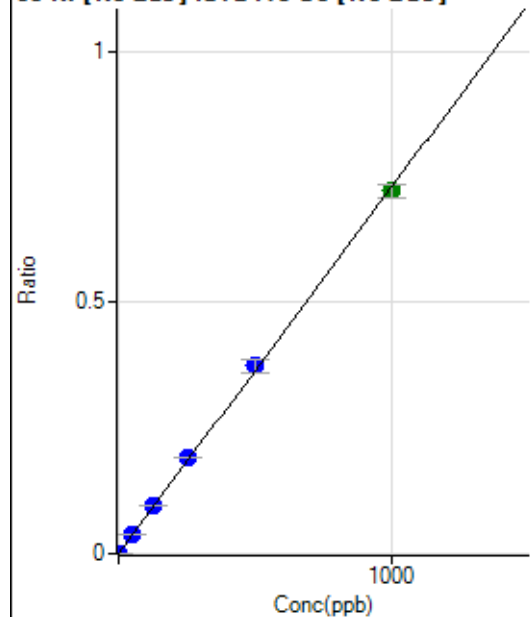
DL = 0.01032

BEC = 0.08387

Weight: <None>

Min Conc: 0

60 Ni [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	341.68	0.0001	P	28.9
2	☐	2.000	1.035	2233.57	0.0009	P	5.4
3	☐	50.000	50.598	93766.87	0.0371	P	2.2
4	☐	125.000	130.847	232447.21	0.0956	P	0.7
5	☐	250.000	262.030	495612.70	0.1914	P	0.4
6	☐	500.000	512.412	934449.53	0.3741	P	7.7
7	☐	1000.000	990.028	2001581.16	0.7226	A	3.6
8	☐			25017.00	0.0093	P	2.5

$$y = 7.2976\text{E-}004 * x + 1.4109\text{E-}004$$

$$R = 0.9998$$

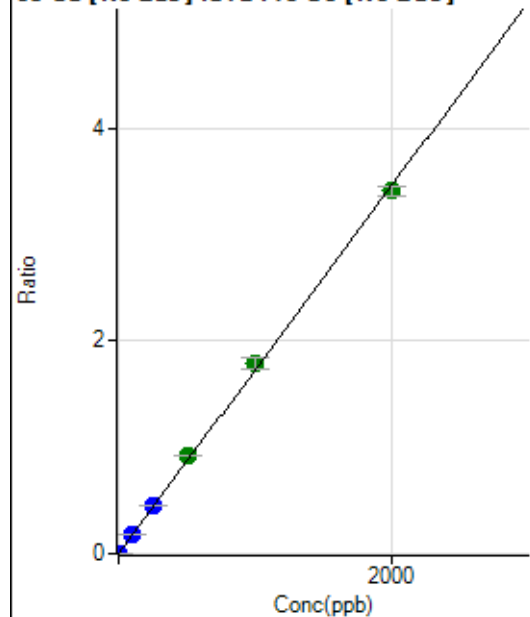
$$DL = 0.1679$$

$$BEC = 0.1933$$

Weight: <None>

Min Conc: 0

63 Cu [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1086.18	0.0004	P	1.0
2	☐	2.000	2.024	9825.88	0.0039	P	0.5
3	☐	100.000	102.341	448504.64	0.1773	P	1.6
4	☐	250.000	265.549	1116452.99	0.4593	P	0.4
5	☐	500.000	532.019	2382124.03	0.9197	A	1.1
6	☐	1000.000	1034.290	4467324.19	1.7876	A	6.8
7	☐	2000.000	1972.790	9444188.23	3.4093	A	3.0
8	☐			52469.88	0.0195	P	3.2

$$y = 0.0017 * x + 4.4706\text{E-}004$$

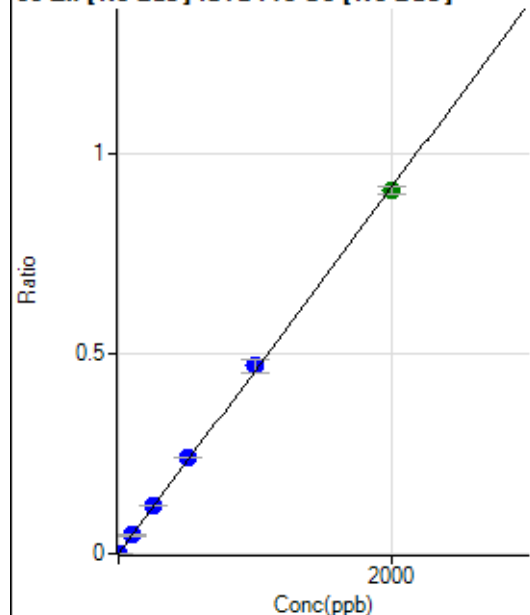
$$R = 0.9996$$

$$DL = 0.007882$$

$$BEC = 0.2587$$

Weight: <None>

Min Conc: 0

66 Zn [No Gas] ISTD:45 Sc [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	583.36	0.0002	P	13.7
2	☐	2.000	1.941	2814.24	0.0011	P	5.3
3	☐	100.000	100.371	117039.09	0.0463	P	2.3
4	☐	250.000	258.806	289055.86	0.1189	P	1.1
5	☐	500.000	522.904	621661.65	0.2400	P	0.5
6	☐	1000.000	1023.885	1173760.19	0.4698	P	7.1
7	☐	2000.000	1981.213	2517673.69	0.9088	A	2.0
8	☐			40851.40	0.0152	P	3.9

$$y = 4.5857\text{E-}004 * x + 2.3986\text{E-}004$$

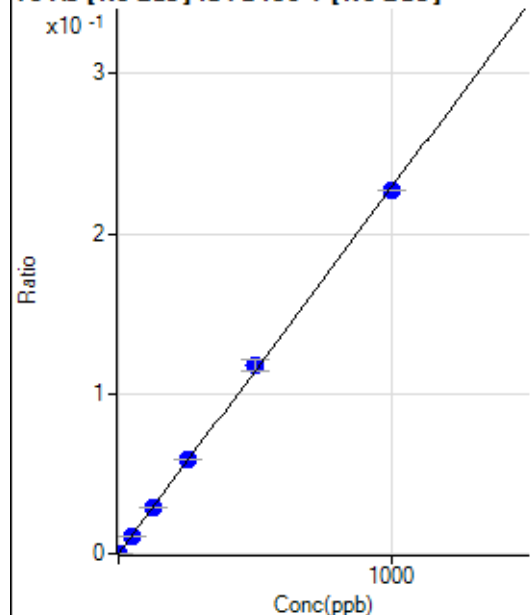
$$R = 0.9998$$

$$DL = 0.2149$$

$$BEC = 0.5231$$

Weight: <None>

Min Conc: 0

75 As [No Gas] ISTD:89 Y [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	47.78	0.0000	P	36.2
2	☐	1.000	0.924	1146.72	0.0002	P	4.2
3	☐	50.000	48.377	58016.69	0.0111	P	1.5
4	☐	125.000	127.029	146470.64	0.0291	P	1.6
5	☐	250.000	255.604	313581.76	0.0585	P	0.5
6	☐	500.000	515.219	602944.74	0.1179	P	5.8
7	☐	1000.000	990.817	1304937.87	0.2267	P	0.1
8	☐			950.04	0.0002	P	7.8

$$y = 2.2880\text{E-}004 * x + 9.5028\text{E-}006$$

$$R = 0.9998$$

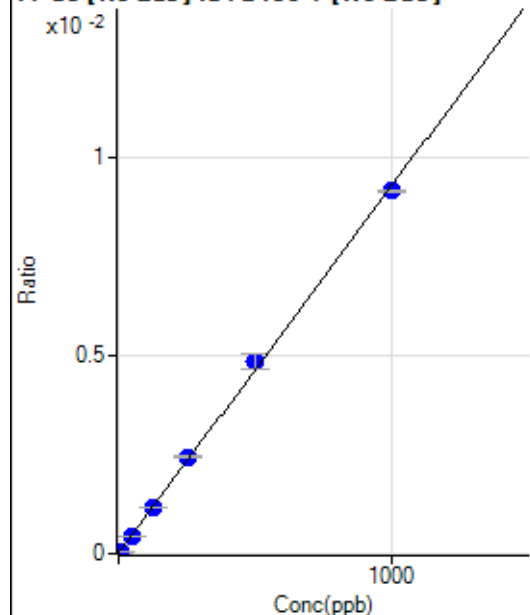
$$DL = 0.04515$$

$$BEC = 0.04153$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	36.11	0.0000	P	34.9
2	☐	5.000	4.947	275.01	0.0001	P	5.1
3	☐	50.000	47.593	2344.71	0.0004	P	4.8
4	☐	125.000	125.266	5881.93	0.0012	P	2.8
5	☐	250.000	261.600	13023.00	0.0024	P	2.4
6	☐	500.000	520.851	24674.95	0.0048	P	8.3
7	☐	1000.000	986.762	52626.73	0.0091	P	0.9
8	☐			111.12	0.0000	P	41.6

$$y = 9.2583\text{E-}006 * x + 7.1718\text{E-}006$$

$$R = 0.9996$$

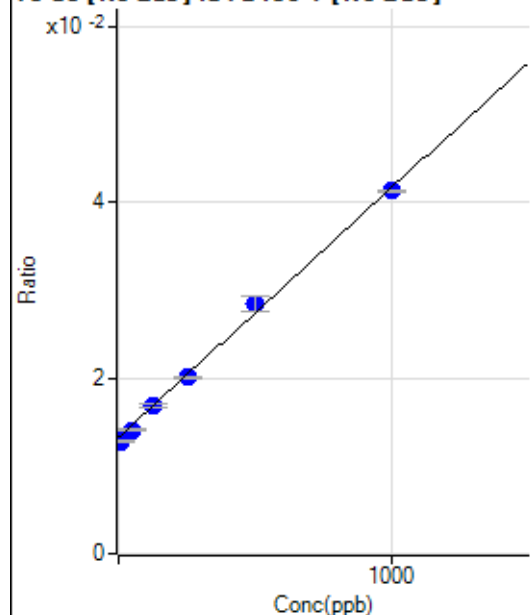
$$DL = 0.8117$$

$$BEC = 0.7746$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66647.21	0.0132	P	0.5
2	☐	5.000	-16.174	66362.30	0.0128	P	2.0
3	☐	50.000	28.174	73553.55	0.0140	P	1.8
4	☐	125.000	128.269	85098.73	0.0169	P	1.8
5	☐	250.000	239.675	107548.36	0.0201	P	1.7
6	☐	500.000	533.952	145367.64	0.0284	P	6.3
7	☐	1000.000	986.394	237711.90	0.0413	P	0.3
8	☐			69136.59	0.0121	P	1.6

$$y = 2.8441\text{E-}005 * x + 0.0132$$

$$R = 0.9987$$

$$DL = 6.336$$

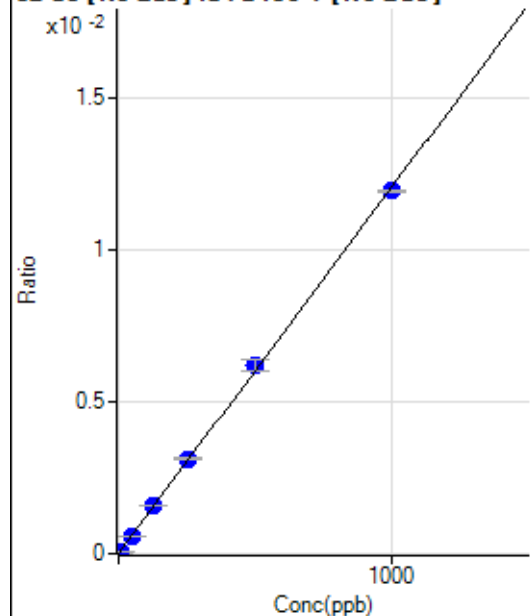
$$BEC = 465.7$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			3083.76		P	13.5
2	☐			3219.91		P	8.6
3	☐			3000.40		P	2.9
4	☐			3108.77		P	3.8
5	☐			3044.86		P	2.6
6	☐			3144.88		P	7.2
7	☐			3272.71		P	2.7
8	☐			3695.02		P	3.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	36.29	0.0000	P	275.6
2	☐	5.000	4.194	299.85	0.0001	P	15.1
3	☐	50.000	47.839	3053.65	0.0006	P	2.8
4	☐	125.000	130.563	7952.97	0.0016	P	2.2
5	☐	250.000	258.737	16734.84	0.0031	P	0.8
6	☐	500.000	512.528	31582.46	0.0062	P	6.1
7	☐	1000.000	990.968	68696.99	0.0119	P	0.6
8	☐			-21.78	0.0000	P	-159.

$$y = 1.2036E-005 * x + 7.2748E-006$$

$$R = 0.9998$$

$$DL = 4.997$$

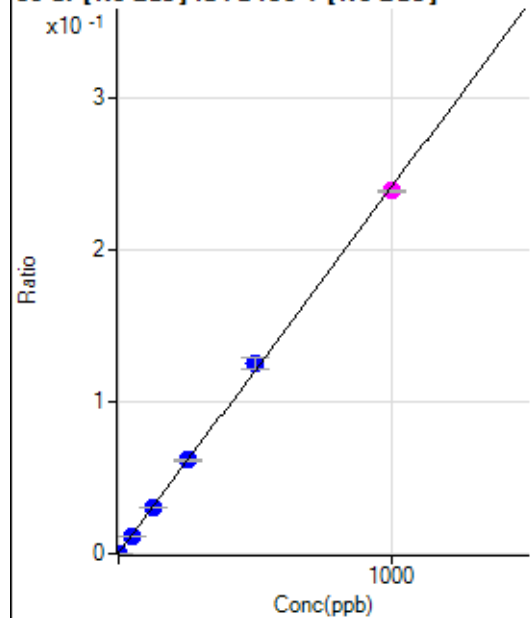
$$BEC = 0.6044$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			937.82		P	8.1
2	☐			1002.27		P	5.2
3	☐			1022.27		P	8.0
4	☐			958.93		P	7.6
5	☐			940.04		P	6.9
6	☐			1087.83		P	9.3
7	☐			1012.27		P	7.0
8	☐			1052.27		P	3.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1422.34	0.0003	P	3.2
2	☐	1.000	0.967	2675.34	0.0005	P	5.9
3	☐	50.000	48.471	62557.04	0.0119	P	0.1
4	☐	125.000	125.901	154000.20	0.0306	P	2.4
5	☐	250.000	254.322	329534.94	0.0615	P	0.8
6	☐	500.000	518.348	638950.17	0.1250	P	6.8
7	☐	1000.000	989.709	1372148.82	0.2384	M	0.3
8	☐			4361.92	0.0008	P	8.8

$$y = 2.4058E-004 * x + 2.8265E-004$$

$$R = 0.9997$$

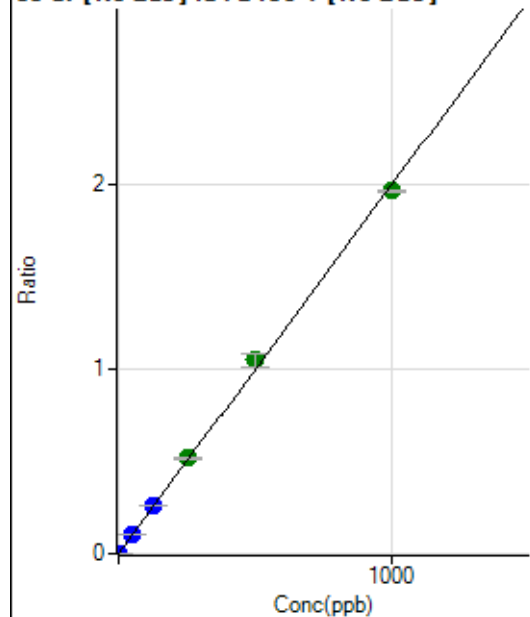
$$DL = 0.1139$$

$$BEC = 1.175$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	100.00	0.0000	P	21.7
2	☐	1.000	0.915	9606.40	0.0019	P	0.9
3	☐	50.000	50.355	527554.86	0.1007	P	0.3
4	☐	125.000	130.437	1314498.23	0.2609	P	1.0
5	☐	250.000	258.351	2770082.12	0.5167	A	0.3
6	☐	500.000	525.880	5376672.04	1.0517	A	6.7
7	☐	1000.000	984.275	11330517.27	1.9685	A	0.8
8	☐			25117.61	0.0044	P	3.1

$$y = 0.0020 * x + 1.9864E-005$$

$$R = 0.9994$$

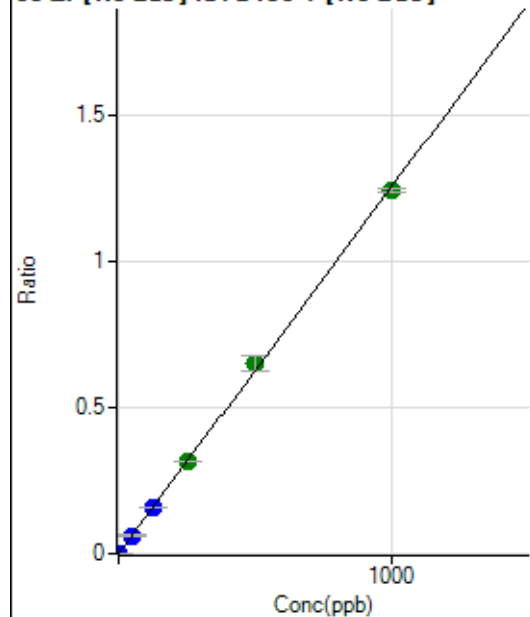
$$DL = 0.006464$$

$$BEC = 0.009933$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	250.01	0.0000	P	16.9
2	☐	1.000	0.825	5637.41	0.0011	P	4.2
3	☐	50.000	49.721	327213.06	0.0625	P	0.5
4	☐	125.000	125.508	794155.13	0.1576	P	1.2
5	☐	250.000	252.250	1698120.18	0.3168	A	1.0
6	☐	500.000	520.157	3337769.00	0.6531	A	7.6
7	☐	1000.000	989.309	7149710.32	1.2421	A	1.1
8	☐			3369.94	0.0006	P	4.7

$$y = 0.0013 * x + 4.9663E-005$$

$$R = 0.9997$$

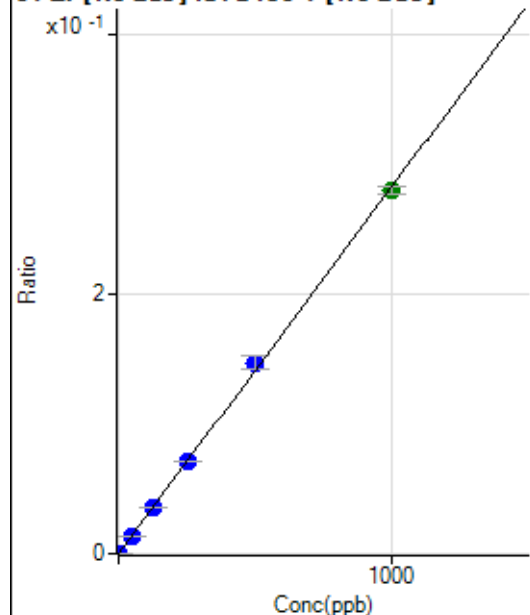
$$DL = 0.02008$$

$$BEC = 0.03956$$

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	47.22	0.0000	P	26.6
2	☐	1.000	0.894	1358.44	0.0003	P	3.3
3	☐	50.000	48.677	72002.89	0.0137	P	1.3
4	☐	125.000	124.211	176643.53	0.0351	P	1.5
5	☐	250.000	250.922	379681.65	0.0708	P	0.9
6	☐	500.000	520.425	750866.68	0.1469	P	6.8
7	☐	1000.000	989.722	1607772.18	0.2793	A	2.3
8	☐			672.26	0.0001	P	0.6

$$y = 2.8221\text{E-}004 * x + 9.3766\text{E-}006$$

$$R = 0.9997$$

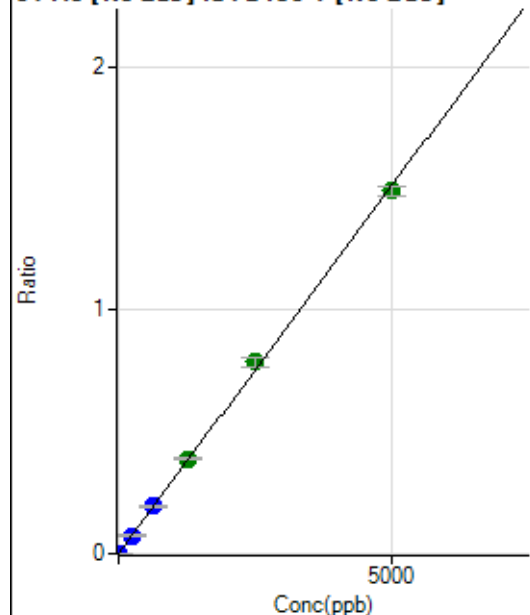
$$DL = 0.02647$$

$$BEC = 0.03323$$

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	119.45	0.0000	P	40.2
2	☐	10.000	4.709	7502.23	0.0014	P	4.6
3	☐	250.000	247.389	391272.99	0.0747	P	1.2
4	☐	625.000	644.651	980648.76	0.1946	P	1.6
5	☐	1250.000	1294.208	2094867.71	0.3908	A	1.2
6	☐	2500.000	2605.397	4023066.36	0.7866	A	5.7
7	☐	5000.000	4933.934	8574232.14	1.4896	A	2.6
8	☐			5723.54	0.0010	P	7.9

$$y = 3.0191\text{E-}004 * x + 2.3734\text{E-}005$$

$$R = 0.9996$$

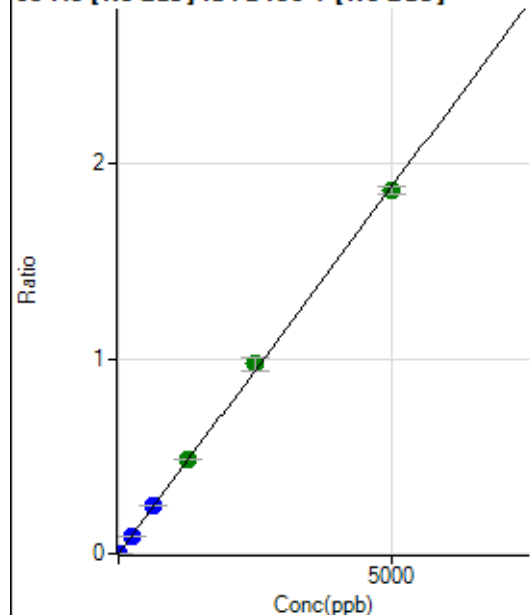
$$DL = 0.09482$$

$$BEC = 0.07861$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	47.22	0.0000	P	10.5
2	☐	10.000	4.712	9256.11	0.0018	P	1.1
3	☐	250.000	245.148	483383.17	0.0923	P	0.6
4	☐	625.000	644.985	1223497.67	0.2428	P	0.5
5	☐	1250.000	1290.692	2604916.64	0.4859	A	1.0
6	☐	2500.000	2583.085	4970784.10	0.9724	A	7.1
7	☐	5000.000	4946.040	10717320.72	1.8620	A	2.0
8	☐			7905.25	0.0014	P	6.0

$$y = 3.7645\text{E-}004 * x + 9.3869\text{E-}006$$

$$R = 0.9997$$

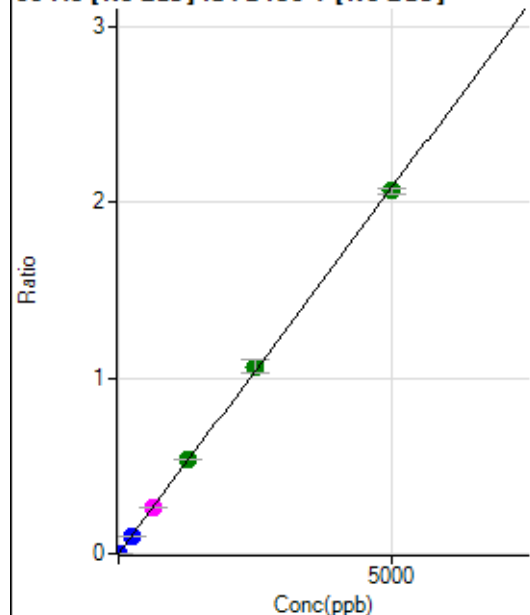
$$DL = 0.007879$$

$$BEC = 0.02494$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	141.67	0.0000	P	17.2
2	☐	10.000	4.989	10926.83	0.0021	P	2.3
3	☐	250.000	245.818	536046.66	0.1024	P	2.0
4	☐	625.000	634.847	1331717.21	0.2643	M	1.2
5	☐	1250.000	1283.410	2864499.57	0.5343	A	1.0
6	☐	2500.000	2562.123	5453267.09	1.0666	A	6.5
7	☐	5000.000	4959.574	11884288.98	2.0647	A	1.3
8	☐			9914.90	0.0017	P	8.5

$$y = 4.1630\text{E-}004 * x + 2.8138\text{E-}005$$

$$R = 0.9998$$

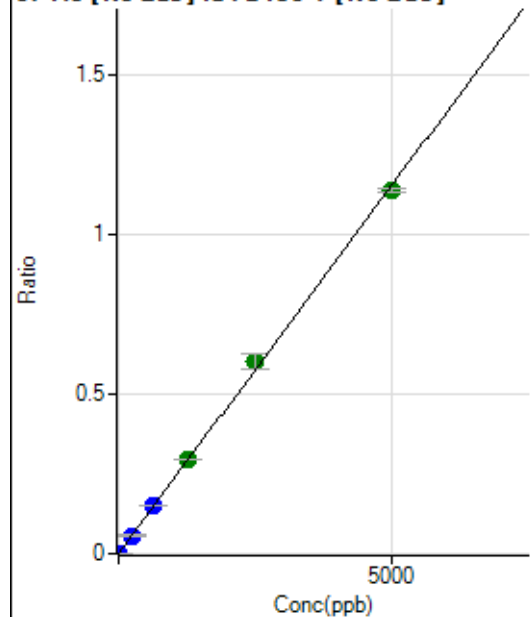
$$DL = 0.03488$$

$$BEC = 0.06759$$

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	30.56	0.0000	P	56.4
2	☐	10.000	4.478	5392.86	0.0010	P	2.7
3	☐	250.000	247.942	299491.23	0.0572	P	1.8
4	☐	625.000	645.197	749726.63	0.1488	P	1.2
5	☐	1250.000	1287.531	1591990.05	0.2970	A	0.4
6	☐	2500.000	2614.419	3081976.65	0.6030	A	7.2
7	☐	5000.000	4930.997	6546019.94	1.1373	A	1.2
8	☐			5276.17	0.0009	P	5.9

$$y = 2.3063E-004 * x + 6.0658E-006$$

$$R = 0.9996$$

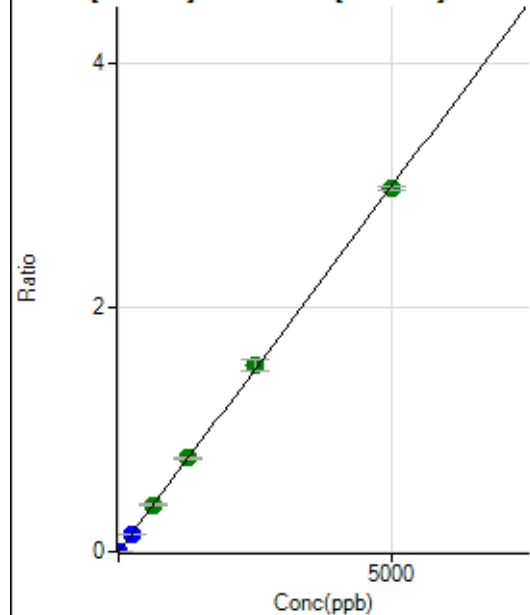
$$DL = 0.04449$$

$$BEC = 0.0263$$

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	50.00	0.0000	P	17.0
2	☐	10.000	4.696	14610.81	0.0028	P	1.1
3	☐	250.000	247.914	775549.20	0.1481	P	0.9
4	☐	625.000	641.975	1931762.09	0.3834	A	1.3
5	☐	1250.000	1276.764	4088198.27	0.7626	A	1.2
6	☐	2500.000	2550.320	7786769.45	1.5232	A	6.9
7	☐	5000.000	4966.142	17072643.96	2.9661	A	1.1
8	☐			12505.95	0.0022	P	5.8

$$y = 5.9726E-004 * x + 9.9395E-006$$

$$R = 0.9999$$

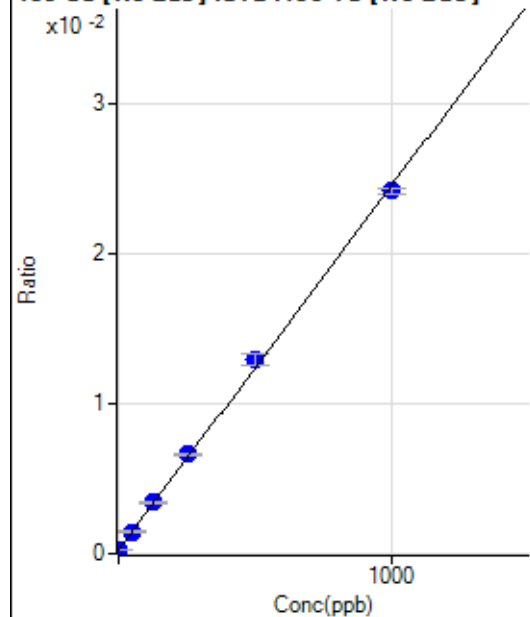
$$DL = 0.00848$$

$$BEC = 0.01664$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	958.40	0.0003	P	13.7
2	☐	1.000	1.211	1088.96	0.0003	P	6.3
3	☐	50.000	49.928	5679.11	0.0015	P	1.1
4	☐	125.000	130.580	12828.51	0.0034	P	2.6
5	☐	250.000	262.356	26111.37	0.0066	P	1.1
6	☐	500.000	521.081	48895.32	0.0129	P	5.6
7	☐	1000.000	985.676	105263.91	0.0241	P	1.5
8	☐			1219.53	0.0003	P	5.0

$$y = 2.4234\text{E-}005 * x + 2.5968\text{E-}004$$

$$R = 0.9996$$

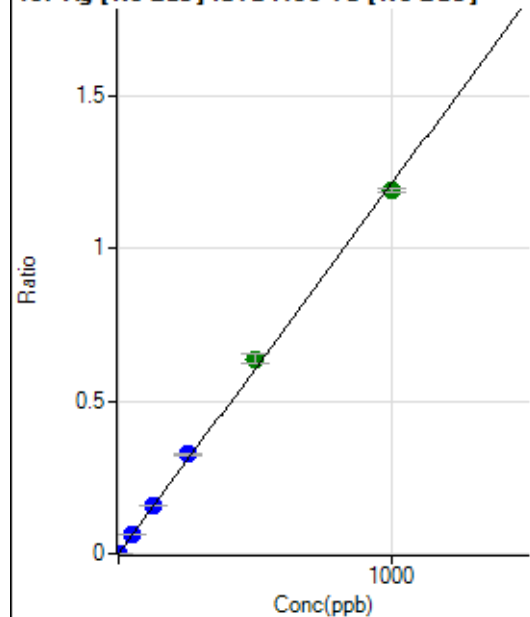
$$DL = 4.409$$

$$BEC = 10.72$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.55	0.0000	P	83.7
2	☐	1.000	1.063	4889.89	0.0013	P	0.5
3	☐	50.000	50.526	236877.68	0.0613	P	2.0
4	☐	125.000	130.703	594093.74	0.1586	P	0.2
5	☐	250.000	267.878	1282196.08	0.3250	P	1.2
6	☐	500.000	527.465	2427842.35	0.6399	A	5.5
7	☐	1000.000	981.059	5188663.27	1.1902	A	1.1
8	☐			2180.79	0.0005	P	10.5

$$y = 0.0012 * x + 8.2937\text{E-}006$$

$$R = 0.9992$$

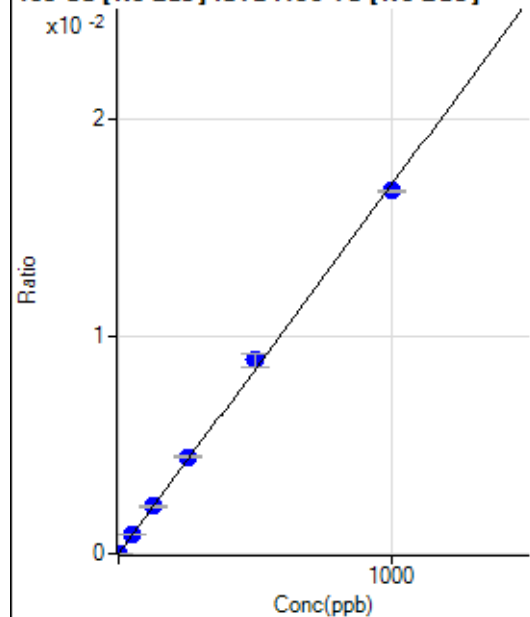
$$DL = 0.01716$$

$$BEC = 0.006837$$

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	5.56	0.0000	P	43.7
2	☐	1.000	1.126	77.78	0.0000	P	32.9
3	☐	50.000	50.605	3331.00	0.0009	P	2.8
4	☐	125.000	129.724	8270.64	0.0022	P	3.4
5	☐	250.000	263.245	17667.03	0.0045	P	2.8
6	☐	500.000	524.462	33822.04	0.0089	P	7.2
7	☐	1000.000	983.837	72947.03	0.0167	P	0.7
8	☐			54.17	0.0000	P	28.8

$$y = 1.7006E-005 * x + 1.5071E-006$$

$$R = 0.9994$$

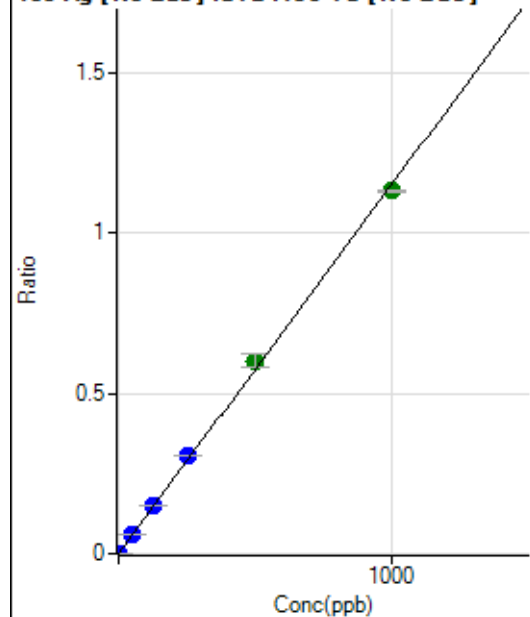
$$DL = 0.1161$$

$$BEC = 0.08862$$

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	13.89	0.0000	P	69.7
2	☐	1.000	1.086	4725.96	0.0013	P	1.7
3	☐	50.000	50.571	225024.64	0.0582	P	2.4
4	☐	125.000	129.949	560647.42	0.1496	P	0.2
5	☐	250.000	266.741	1211927.59	0.3072	P	0.9
6	☐	500.000	523.538	2286723.90	0.6029	A	6.3
7	☐	1000.000	983.399	4937436.18	1.1324	A	0.3
8	☐			2172.47	0.0005	P	16.4

$$y = 0.0012 * x + 3.7688E-006$$

$$R = 0.9994$$

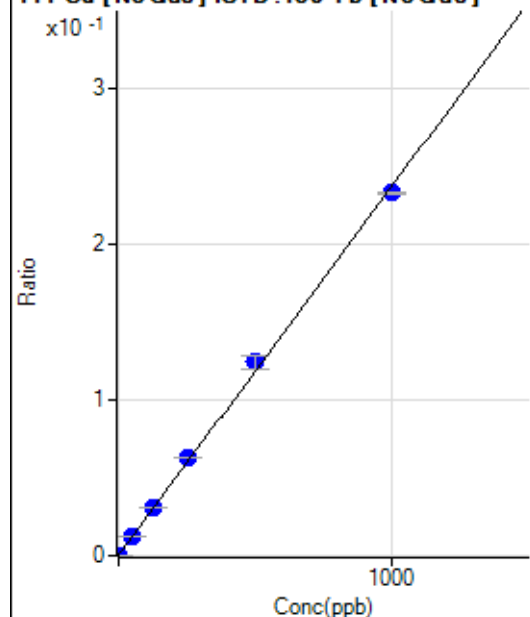
$$DL = 0.006846$$

$$BEC = 0.003273$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	672.54	0.0002	P	13.2
2	☐	1.000	0.967	1546.76	0.0004	P	4.6
3	☐	50.000	50.302	46602.89	0.0121	P	2.5
4	☐	125.000	128.625	114485.50	0.0306	P	0.4
5	☐	250.000	264.036	246735.56	0.0625	P	0.6
6	☐	500.000	524.756	470617.12	0.1241	P	6.9
7	☐	1000.000	983.645	1013543.10	0.2325	P	0.4
8	☐			1307.43	0.0003	P	4.6

$$y = 2.3615E-004 * x + 1.8223E-004$$

$$R = 0.9994$$

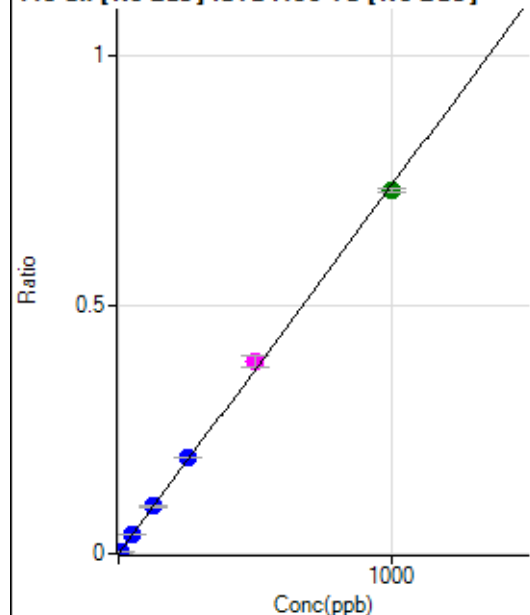
$$DL = 0.3058$$

$$BEC = 0.7716$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	211.12	0.0001	P	25.4
2	☐	5.000	4.873	13793.46	0.0037	P	2.2
3	☐	50.000	50.387	144171.06	0.0373	P	0.9
4	☐	125.000	128.205	355301.76	0.0948	P	0.7
5	☐	250.000	261.192	762106.90	0.1931	P	0.9
6	☐	500.000	522.814	1466198.03	0.3866	M	6.3
7	☐	1000.000	985.376	3175976.44	0.7285	A	1.2
8	☐			2291.92	0.0006	P	6.7

$$y = 7.3927E-004 * x + 5.7166E-005$$

$$R = 0.9995$$

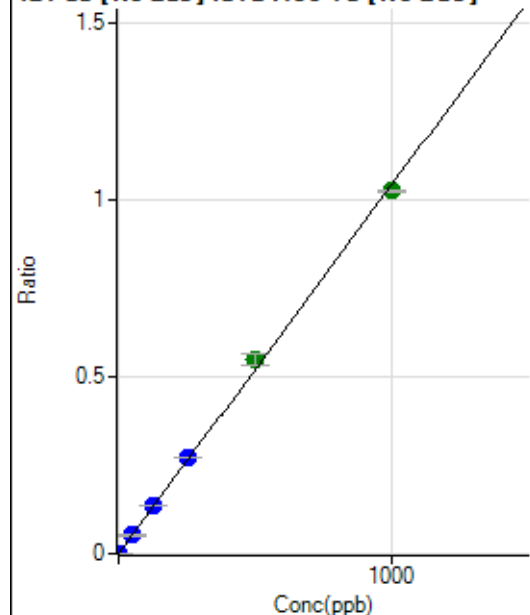
$$DL = 0.05896$$

$$BEC = 0.07733$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	36.11	0.0000	P	66.7
2	☐	2.000	1.796	7079.80	0.0019	P	3.0
3	☐	50.000	49.660	199728.77	0.0517	P	0.5
4	☐	125.000	129.042	503100.28	0.1343	P	0.4
5	☐	250.000	260.970	1071474.40	0.2716	P	0.4
6	☐	500.000	524.954	2072208.73	0.5463	A	6.0
7	☐	1000.000	984.293	4465471.58	1.0242	A	0.3
8	☐			3358.84	0.0008	P	8.5

$$y = 0.0010 * x + 9.7901E-006$$

$$R = 0.9994$$

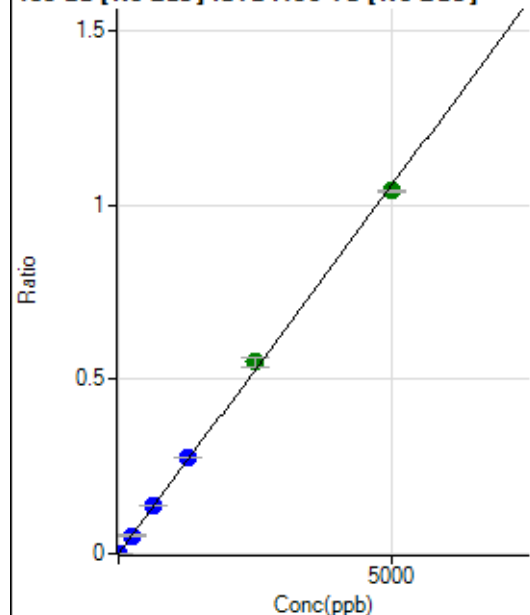
$$DL = 0.01882$$

$$BEC = 0.009409$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50.00	0.0000	P	43.9
2	☐	10.000	9.309	7460.61	0.0020	P	1.0
3	☐	250.000	247.970	202413.14	0.0524	P	1.5
4	☐	625.000	645.074	510455.58	0.1362	P	0.3
5	☐	1250.000	1309.663	1091337.12	0.2766	P	0.8
6	☐	2500.000	2606.982	2089331.77	0.5506	A	5.1
7	☐	5000.000	4929.187	4538934.04	1.0410	A	0.8
8	☐			9053.25	0.0022	P	1.9

$$y = 2.1119E-004 * x + 1.3537E-005$$

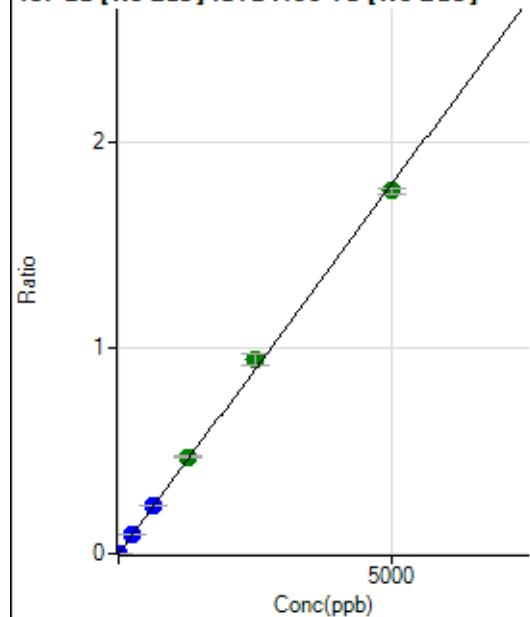
$$R = 0.9996$$

$$DL = 0.0844$$

$$BEC = 0.0641$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	58.33	0.0000	P	65.3
2	☐	10.000	9.440	12798.10	0.0034	P	2.5
3	☐	250.000	251.811	348505.66	0.0902	P	0.6
4	☐	625.000	646.638	867569.09	0.2316	P	0.8
5	☐	1250.000	1312.984	1855032.16	0.4702	A	1.0
6	☐	2500.000	2633.883	3578224.30	0.9431	A	5.7
7	☐	5000.000	4914.518	7671654.69	1.7598	A	1.4
8	☐			15642.77	0.0038	P	4.1

$$y = 3.5808E-004 * x + 1.5785E-005$$

$$R = 0.9994$$

$$DL = 0.08636$$

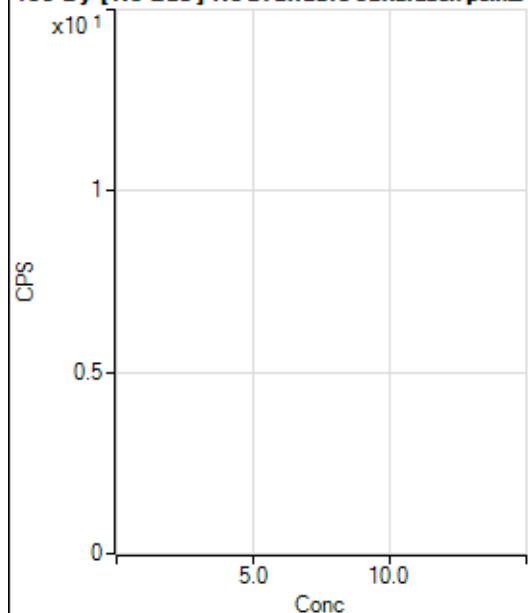
$$BEC = 0.04408$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			15.56		P	137.8
2	☐			13.33		P	132.3
3	☐			6.67		P	100.0
4	☐			24.44		P	78.7
5	☐			48.89		P	20.8
6	☐			84.45		P	31.9
7	☐			151.12		P	28.0
8	☐			46.67		P	37.8

156 Dy [No Gas] No available calibration points

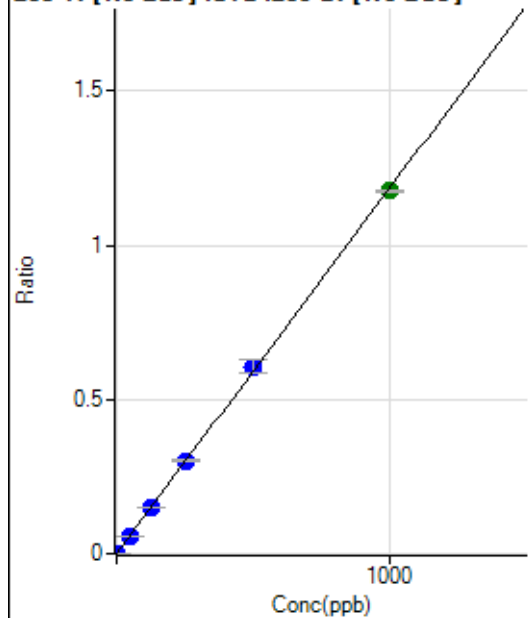
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			38.89		P	24.7
2	☐			33.33		P	50.0
3	☐			19.44		P	65.5
4	☐			80.56		P	6.0
5	☐			30.56		P	63.0
6	☐			144.45		P	49.1
7	☐			77.78		P	6.2
8	☐			272.23		P	19.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			33.33		P	25.0
2	☐			30.56		P	41.7
3	☐			41.67		P	0.0
4	☐			41.66		P	34.6
5	☐			41.67		P	20.0
6	☐			36.11		P	35.3
7	☐			80.56		P	15.8
8	☐			261.12		P	6.6

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			13.89		P	34.7
2	☐			22.22		P	21.6
3	☐			5.55		P	86.6
4	☐			13.89		P	34.7
5	☐			19.44		P	65.5
6	☐			19.44		P	49.5
7	☐			33.33		P	25.0
8	☐			44.45		P	39.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	13.89	0.0000	P	33.5
2	☐	1.000	0.893	2189.14	0.0011	P	4.4
3	☐	50.000	48.482	117566.50	0.0574	P	2.0
4	☐	125.000	125.381	294254.78	0.1485	P	0.8
5	☐	250.000	255.241	631866.85	0.3022	P	0.4
6	☐	500.000	511.126	1208962.32	0.6053	P	7.1
7	☐	1000.000	993.155	2647799.49	1.1760	A	0.7
8	☐			1750.17	0.0008	P	6.3

$$y = 0.0012 * x + 7.0018E-006$$

$$R = 0.9999$$

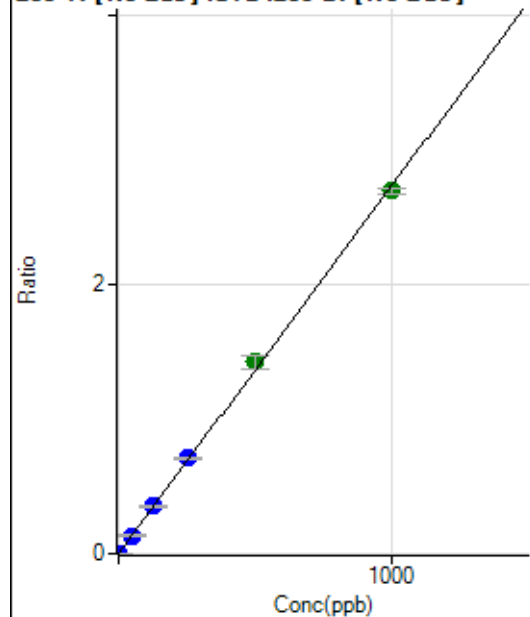
$$DL = 0.005948$$

$$BEC = 0.005913$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50.00	0.0000	P	59.2
2	☐	1.000	0.920	5223.42	0.0025	P	5.0
3	☐	50.000	49.465	276981.77	0.1353	P	1.0
4	☐	125.000	128.321	695264.58	0.3508	P	1.4
5	☐	250.000	259.564	1483383.28	0.7096	P	1.7
6	☐	500.000	520.606	2841805.99	1.4233	A	7.8
7	☐	1000.000	986.917	6074553.26	2.6981	A	1.3
8	☐			4011.86	0.0019	P	14.9

$$y = 0.0027 * x + 2.5182E-005$$

$$R = 0.9996$$

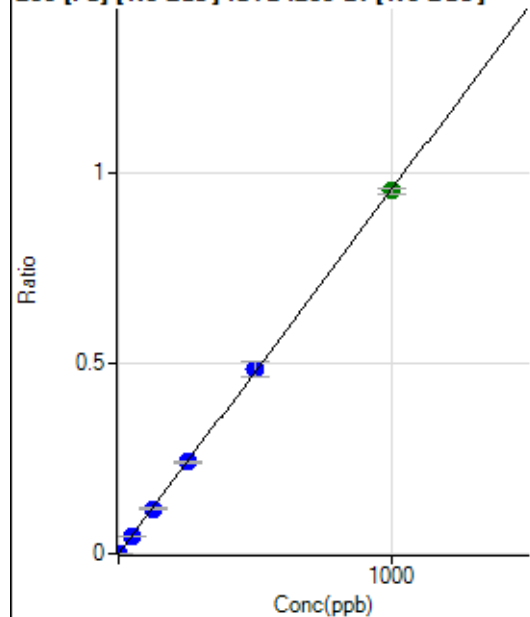
$$DL = 0.01637$$

$$BEC = 0.009211$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	74.08	0.0000	P	11.2
2	☐	1.000	0.838	1724.22	0.0008	P	3.1
3	☐	50.000	48.456	95017.43	0.0464	P	2.1
4	☐	125.000	123.934	235096.60	0.1186	P	0.5
5	☐	250.000	251.922	503992.89	0.2411	P	1.0
6	☐	500.000	506.134	966946.69	0.4843	P	8.0
7	☐	1000.000	996.663	2147206.34	0.9537	A	1.3
8	☐			9642.62	0.0046	P	2.3

$$y = 9.5687E-004 * x + 3.7469E-005$$

$$R = 1.0000$$

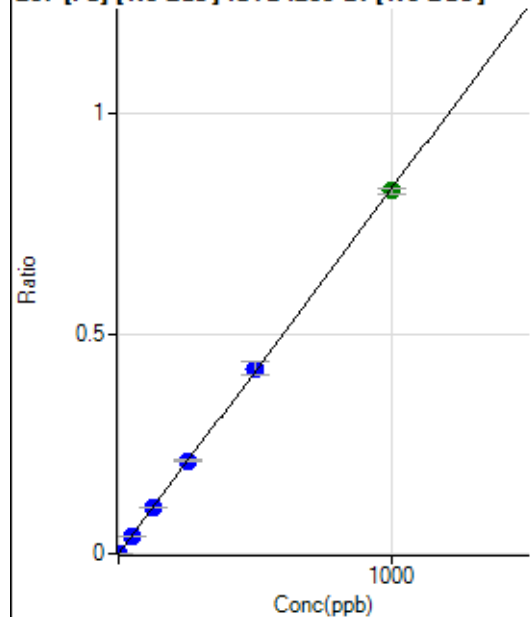
$$DL = 0.01313$$

$$BEC = 0.03916$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	70.37	0.0000	P	15.4
2	☐	1.000	0.839	1503.82	0.0007	P	6.0
3	☐	50.000	49.114	83502.66	0.0408	P	1.4
4	☐	125.000	125.103	205742.69	0.1038	P	0.3
5	☐	250.000	255.460	443045.77	0.2119	P	1.7
6	☐	500.000	508.352	842036.61	0.4217	P	7.8
7	☐	1000.000	994.491	1857400.23	0.8250	A	1.6
8	☐			8577.05	0.0041	P	1.2

$$y = 8.2953\text{E-}004 * x + 3.5559\text{E-}005$$

$$R = 0.9999$$

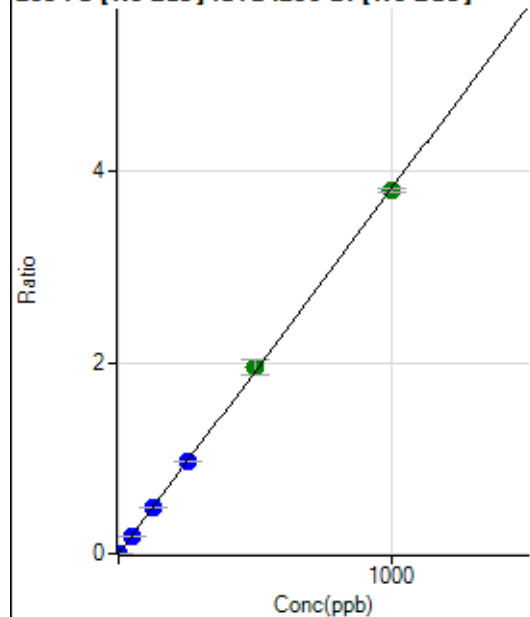
$$DL = 0.01978$$

$$BEC = 0.04287$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	383.34	0.0002	P	1.7
2	☐	1.000	0.844	7026.82	0.0034	P	0.6
3	☐	50.000	48.192	377506.36	0.1843	P	1.0
4	☐	125.000	124.376	942271.38	0.4755	P	0.7
5	☐	250.000	252.634	2018379.59	0.9656	P	1.5
6	☐	500.000	510.470	3894529.89	1.9508	A	8.1
7	☐	1000.000	994.275	8554388.85	3.7995	A	1.1
8	☐			38420.87	0.0183	P	1.4

$$y = 0.0038 * x + 1.9389\text{E-}004$$

$$R = 0.9999$$

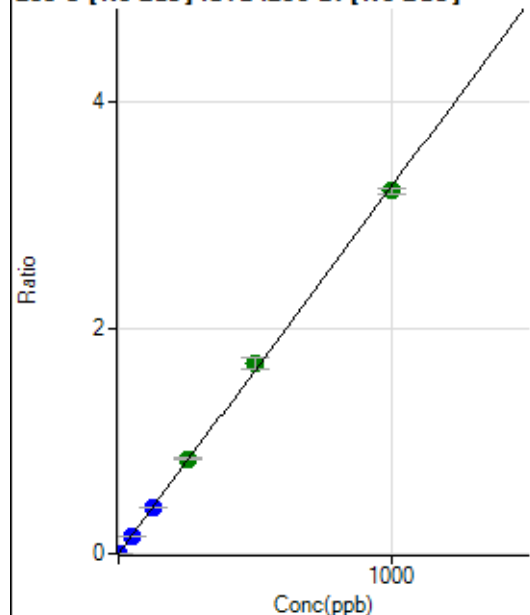
$$DL = 0.002646$$

$$BEC = 0.05074$$

Weight: <None>

Min Conc: 0

238 U [No Gas] ISTD :209 Bi [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	13.89	0.0000	P	35.3
2	☐	1.000	0.874	5851.52	0.0028	P	2.0
3	☐	50.000	48.675	323960.25	0.1582	P	1.4
4	☐	125.000	126.572	815258.34	0.4114	P	0.6
5	☐	250.000	259.099	1760370.57	0.8421	A	0.7
6	☐	500.000	518.908	3369081.45	1.6865	A	6.7
7	☐	1000.000	988.141	7230326.20	3.2115	A	1.4
8	☐			2033.56	0.0010	P	6.3

$$y = 0.0033 * x + 7.0399E-006$$

$$R = 0.9997$$

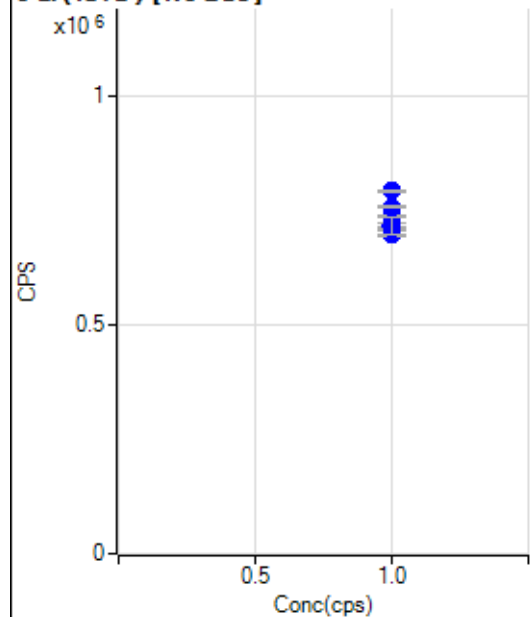
$$DL = 0.002291$$

$$BEC = 0.002166$$

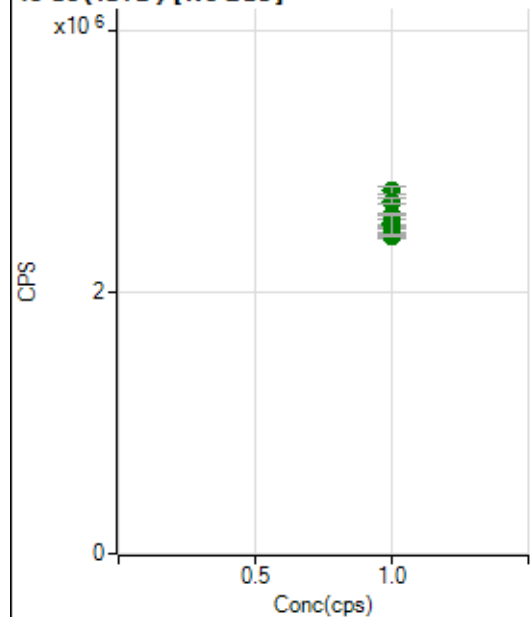
Weight: <None>

Min Conc: 0

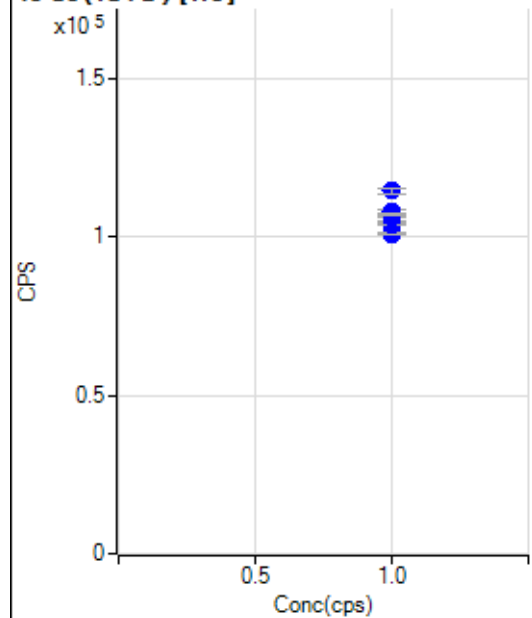
6 Li (ISTD) [No Gas]



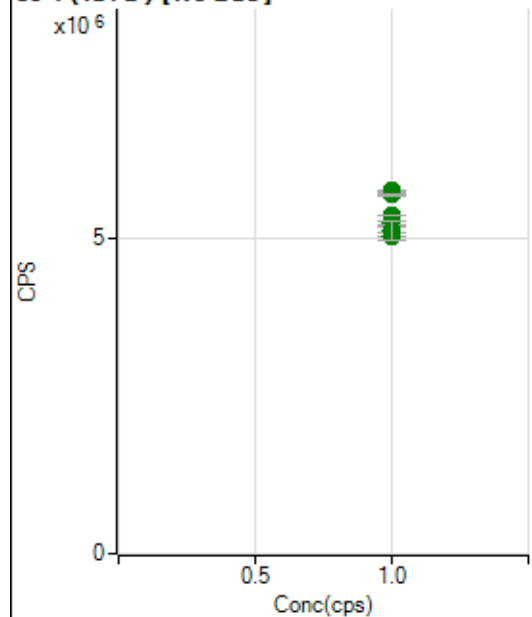
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		695275.84		P	0.8
2	☐	1.000		717313.30		P	0.8
3	☐	1.000		721420.29		P	0.1
4	☐	1.000		707584.01		P	0.6
5	☐	1.000		736905.33		P	1.0
6	☐	1.000		714029.60		P	5.2
7	☐	1.000		791989.91		P	0.7
8	☐	1.000		756458.66		P	0.5

45 Sc (ISTD) [No Gas]

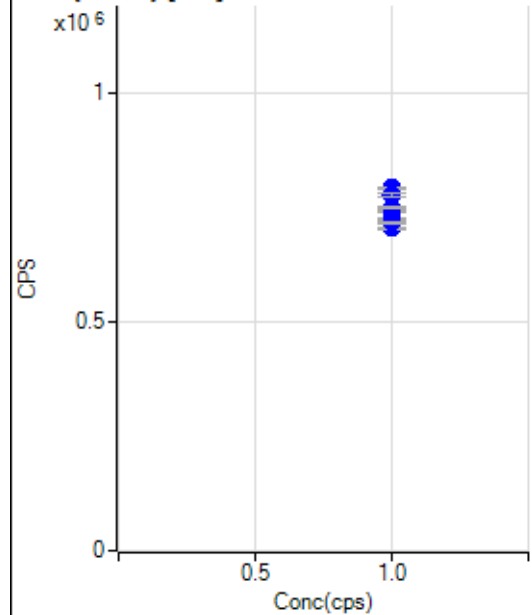
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		2429338.79		A	1.8
2	☐	1.000		2490919.53		A	0.7
3	☐	1.000		2530242.62		A	1.5
4	☐	1.000		2430747.93		A	0.4
5	☐	1.000		2589951.89		A	0.3
6	☐	1.000		2506944.80		A	7.0
7	☐	1.000		2771177.88		A	2.0
8	☐	1.000		2692687.29		A	1.8

45 Sc (ISTD) [He]

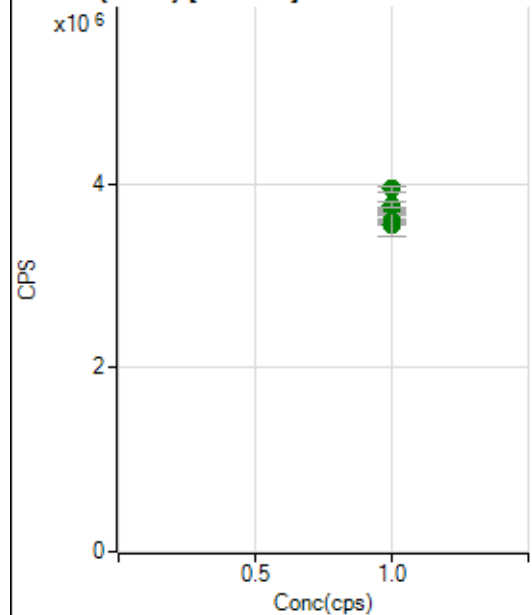
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		100960.78		P	0.4
2	☐	1.000		104203.34		P	0.2
3	☐	1.000		104637.24		P	0.4
4	☐	1.000		103558.38		P	0.2
5	☐	1.000		106363.23		P	0.3
6	☐	1.000		108050.18		P	1.2
7	☐	1.000		114498.18		P	1.5
8	☐	1.000		107410.06		P	0.6

89 Y (ISTD) [No Gas]

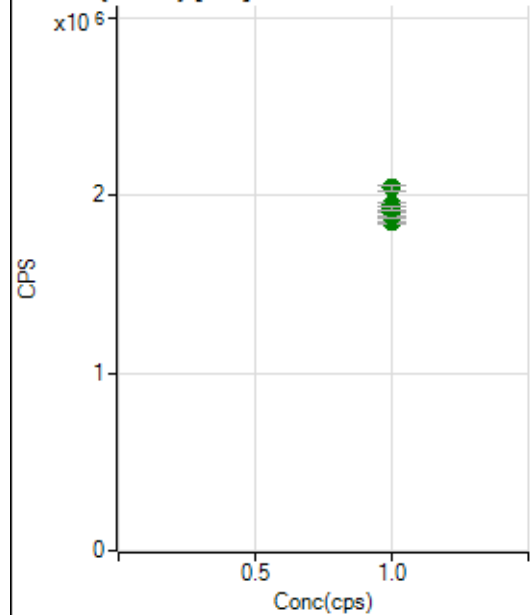
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		5032112.15		A	0.5
2	☐	1.000		5191047.63		A	0.2
3	☐	1.000		5237608.08		A	1.3
4	☐	1.000		5038991.87		A	2.2
5	☐	1.000		5361065.13		A	0.1
6	☐	1.000		5126876.94		A	6.4
7	☐	1.000		5755956.23		A	0.2
8	☐	1.000		5693258.67		A	0.4

89 Y (ISTD) [He]

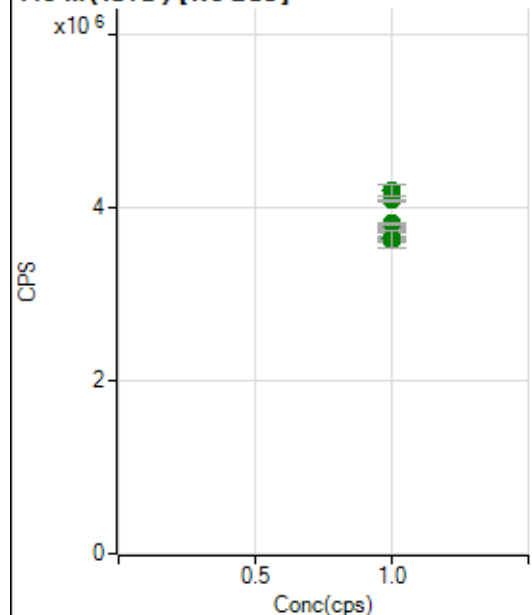
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		704894.99		P	0.4
2	☐	1.000		725646.06		P	0.2
3	☐	1.000		723649.85		P	0.5
4	☐	1.000		716717.45		P	1.0
5	☐	1.000		741590.19		P	0.9
6	☐	1.000		749161.85		P	0.7
7	☐	1.000		792858.32		P	0.8
8	☐	1.000		777468.25		P	0.7

103 Rh (ISTD) [No Gas]

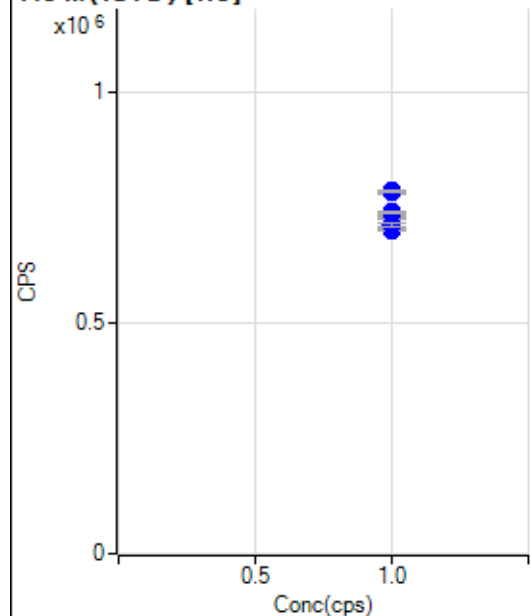
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3580970.61		A	1.5
2	☐	1.000		3665061.71		A	0.4
3	☐	1.000		3680553.47		A	0.9
4	☐	1.000		3585113.23		A	0.5
5	☐	1.000		3735201.26		A	0.4
6	☐	1.000		3546858.67		A	6.9
7	☐	1.000		3943156.64		A	1.7
8	☐	1.000		3768245.22		A	1.7

103 Rh (ISTD) [He]

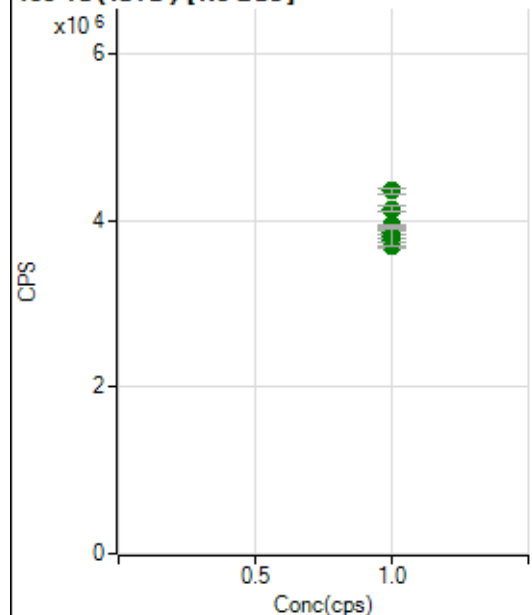
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1846456.55		A	0.4
2	☐	1.000		1921425.30		A	1.4
3	☐	1.000		1900144.33		A	1.5
4	☐	1.000		1877782.66		A	1.0
5	☐	1.000		1949919.40		A	1.4
6	☐	1.000		1948548.75		A	1.0
7	☐	1.000		2041277.68		A	1.4
8	☐	1.000		1927114.02		A	1.5

115 In (ISTD) [No Gas]

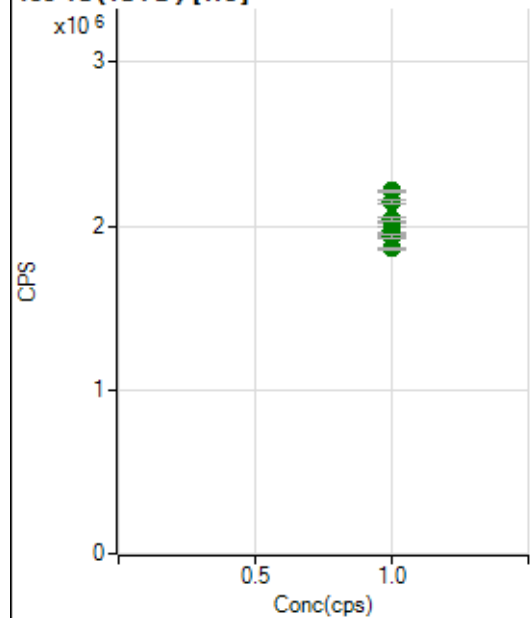
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3622715.83		A	1.5
2	☐	1.000		3711822.84		A	0.4
3	☐	1.000		3762091.29		A	1.1
4	☐	1.000		3643039.79		A	1.3
5	☐	1.000		3806914.84		A	0.6
6	☐	1.000		3636462.16		A	5.5
7	☐	1.000		4077626.46		A	0.6
8	☐	1.000		4186554.10		A	3.1

115 In (ISTD) [He]

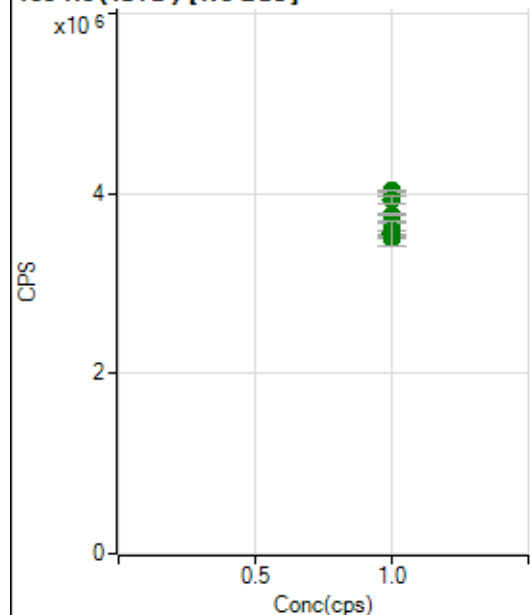
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		700974.04		P	0.5
2	☐	1.000		726118.51		P	0.2
3	☐	1.000		725863.12		P	1.0
4	☐	1.000		711040.92		P	1.3
5	☐	1.000		735957.03		P	1.0
6	☐	1.000		739859.05		P	0.6
7	☐	1.000		781343.83		P	0.9
8	☐	1.000		785281.00		P	0.8

159 Tb (ISTD) [No Gas]

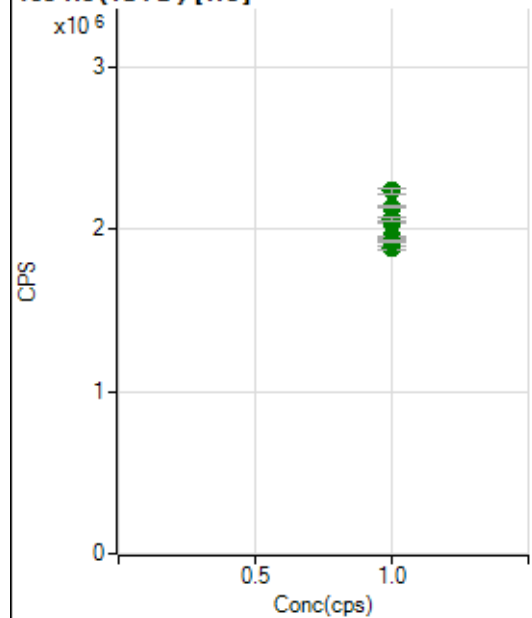
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		3691195.85		A	0.4
2	☐	1.000		3768692.55		A	0.8
3	☐	1.000		3864588.87		A	1.1
4	☐	1.000		3746544.08		A	0.3
5	☐	1.000		3945598.73		A	0.6
6	☐	1.000		3802248.83		A	5.8
7	☐	1.000		4359939.83		A	1.3
8	☐	1.000		4143043.41		A	1.6

159 Tb (ISTD) [He]

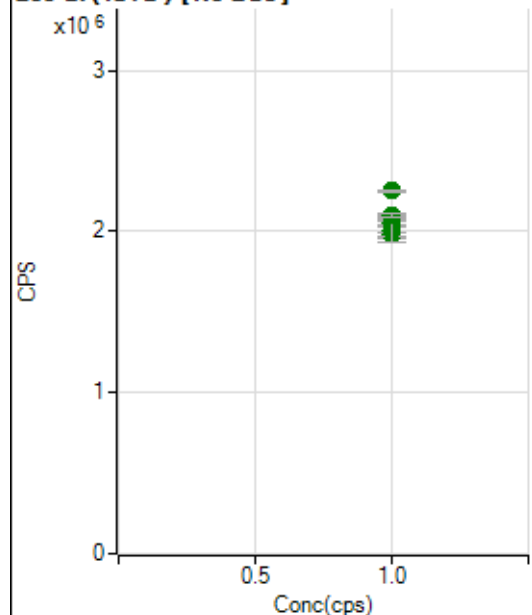
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1863892.63		A	0.5
2	☐	1.000		1942067.70		A	0.9
3	☐	1.000		1972539.94		A	1.7
4	☐	1.000		1939151.38		A	1.0
5	☐	1.000		2023260.39		A	0.8
6	☐	1.000		2043528.72		A	0.9
7	☐	1.000		2213595.75		A	0.4
8	☐	1.000		2146500.02		A	1.0

165 Ho (ISTD) [No Gas]

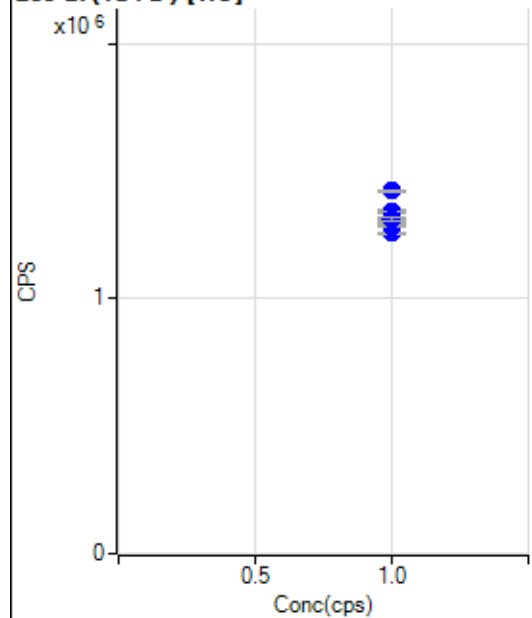
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3509470.48		A	0.4
2	☐	1.000		3566469.18		A	1.4
3	☐	1.000		3680884.07		A	1.0
4	☐	1.000		3537420.26		A	0.5
5	☐	1.000		3764492.97		A	0.3
6	☐	1.000		3552371.11		A	8.3
7	☐	1.000		4026882.21		A	0.4
8	☐	1.000		3930331.47		A	1.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1883357.38		A	1.4
2	☐	1.000		1930530.44		A	1.3
3	☐	1.000		1950212.12		A	0.5
4	☐	1.000		1924290.22		A	0.5
5	☐	1.000		2042285.37		A	0.6
6	☐	1.000		2063097.75		A	1.0
7	☐	1.000		2236611.11		A	1.3
8	☐	1.000		2139399.03		A	0.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1976908.36		A	1.6
2	☐	1.000		2055765.47		A	1.0
3	☐	1.000		2048023.58		A	1.6
4	☐	1.000		1981884.76		A	0.9
5	☐	1.000		2090606.86		A	1.1
6	☐	1.000		2004501.46		A	7.6
7	☐	1.000		2251494.93		A	0.4
8	☐	1.000		2104255.49		A	1.0

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1256059.15		P	0.4
2	☐	1.000		1303272.27		P	1.2
3	☐	1.000		1316919.19		P	0.1
4	☐	1.000		1282048.51		P	0.6
5	☐	1.000		1339835.47		P	0.9
6	☐	1.000		1340683.07		P	0.1
7	☐	1.000		1421417.83		P	0.9
8	☐	1.000		1308777.16		P	1.4

US EPA Tune Check Report

Operator Name ICPMS
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8020720-MS.b
Acq. Date-Time 2020-02-07 14:41:05
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		2535	25350.20			0.746	5.000
24		40794	407942.63			0.580	5.000
25		5698	56984.63			0.367	5.000
26		6722	67220.77			0.580	5.000
59		30713	307131.81			0.661	5.000
113		3236	32356.00			0.499	5.000
115		40564	405637.44			0.344	5.000
206		6464	64640.16			0.720	5.000
207		5826	58260.73			1.299	5.000
208		13760	137597.54			0.564	5.000
220		1	5.40			17.811	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

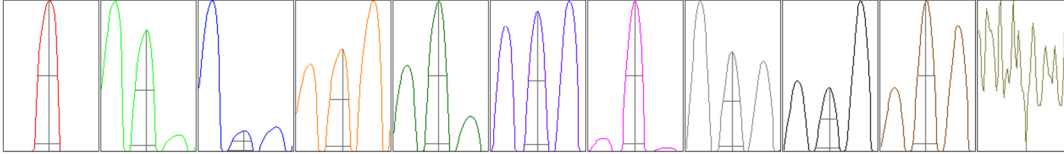
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	2530	2539	2554	2547	2505
24	41012	40881	40519	40995	40564
25	5724	5717	5691	5676	5685
26	6743	6726	6774	6685	6682
59	30745	30489	30628	31036	30667
113	3249	3210	3231	3249	3240
115	40536	40487	40705	40704	40386
206	6437	6409	6455	6527	6493
207	5769	5737	5870	5924	5830
208	13740	13638	13832	13819	13770

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	1	1	1	1

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	4239.30	8.95	8.90 - 9.10	
24	72409.13	23.95	23.90 - 24.10	
25	9654.59	24.95	24.90 - 25.10	
26	11368.08	26.00	25.90 - 26.10	
59	55564.71	58.95	58.90 - 59.10	
113	6404.17	113.00	112.90 - 113.10	
115	80542.54	115.00	114.90 - 115.10	
206	12565.89	206.00	205.90 - 206.10	
207	11325.93	207.00	206.90 - 207.10	
208	26969.52	207.95	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.63	0.787	0.900	
24	0.60	0.789	0.900	
25	0.62	0.781	0.900	
26	0.62	0.787	0.900	
59	0.57	0.781	0.900	
113	0.53	0.759	0.900	
115	0.53	0.691	0.900	
206	0.53	0.778	0.900	
207	0.53	0.758	0.900	
208	0.52	0.763	0.900	
220	0.53			

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode HMI Nebulizer Gas 0.50 L/min Dilution Gas 0.45 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	11.4 V	Deflect	15.0 V
Extract 2	-250.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-115 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	180 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9993	QP Bias	-4.0 V
Mass Offset	123	Axis Offset	-0.05		

Hardware Settings

Torch

Torch H	0.4 mm	Torch V	0.1 mm
---------	--------	---------	--------

EM

Discriminator	3.9 mV	Analog HV	2168 V	Pulse HV	1119 V
---------------	--------	-----------	--------	----------	--------

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		7890	78895.42			1.966	
89		6694	66942.34			1.336	
205		6112	61115.69			1.884	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	7695	7746	8006	7998	8002
89	6599	6601	6788	6720	6764
205	5969	6053	6084	6191	6261

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	HMI	Nebulizer Gas	0.50 L/min	Dilution Gas	0.45 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	11.4 V	Deflect	4.0 V
-----------	--------	------------	--------	---------	-------

US EPA Tune Check Report

Extract 2	-250.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-115 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	123	Axis Gain	0.9993	QP Bias	-13.0 V
Mass Offset	123	Axis Offset	-0.05		
Hardware Settings					
Torch					
Torch H	0.4 mm	Torch V	0.1 mm		
EM					
Discriminator	3.9 mV	Analog HV	2168 V	Pulse HV	1119 V

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:21:26	DataFile Name :	005CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	-0.02	0.04	-0.02	0.00	N/A	ppb
Antimony	121-1	0.00	-0.01	0.00	0.00	N/A	ppb
Arsenic	75-1	0.02	0.00	-0.01	0.00	N/A	ppb
Barium	135-1	-0.02	0.03	-0.01	0.00	N/A	ppb
Barium	137-1	-0.03	0.03	-0.01	0.00	N/A	ppb
Beryllium	9-1	0.01	-0.02	0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	11-1	-0.03	0.10	-0.07	0.00	N/A	ppb
Boron	10-1	-0.03	0.04	-0.01	0.00	N/A	ppb
Bromine	81-1						cps
Cadmium	106-1	0.79	-1.70	0.90	0.00	N/A	ppb
Cadmium	108-1	0.04	-0.02	-0.02	0.00	N/A	ppb
Cadmium	111-1	0.05	-0.12	0.06	0.00	N/A	ppb
Calcium	43-1	5.52	-1.74	-3.79	0.00	N/A	ppb
Calcium	44-1	2.38	4.49	-6.87	0.00	N/A	ppb
Chromium	52-1	0.06	-0.03	-0.03	0.00	N/A	ppb
Cobalt	59-1	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-1	0.00	0.00	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	54-1	-1.26	5.76	-4.50	0.00	N/A	ppb
Iron	56-1	-1.15	9.83	-8.68	0.00	N/A	ppb
Iron	57-1	-0.93	8.07	-7.14	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	207-1	0.00	0.01	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-1	0.09	-0.06	-0.03	0.00	N/A	ppb
Manganese	55-1	0.06	0.08	-0.13	0.00	N/A	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:21:26	DataFile Name :	005CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	-0.02	-0.02	0.04	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	0.02	-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
Nickel	60-1	0.04	0.03	-0.06	0.00	N/A	ppb
Phosphorus	31-1	-22.97	-22.68	-26.28	-23.98		ppb
Potassium	39-1	6.57	15.62	-22.18	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	1.82	-1.46	-0.36	0.00	N/A	ppb
Selenium	77-1	-0.06	0.29	-0.24	0.00	N/A	ppb
Selenium	78-1	-0.16	2.19	-2.03	0.00	N/A	ppb
Silicon	28-1	0.90	3.86	-4.76	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	107-1	0.01	0.00	0.00	0.00	N/A	ppb
Sodium	23-1	0.66	2.70	-3.36	0.00	N/A	ppb
Strontium	86-1	-0.01	-0.03	0.04	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	232.46	636.62	-832.36	12.24	6200.02	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	205-1	0.00	0.01	0.00	0.00	N/A	ppb
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.02	0.02	0.00	0.00	N/A	ppb
Titanium	47-1	0.03	-0.05	0.02	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-1	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-1	-0.07	0.00	0.07	0.00	N/A	ppb
Zirconium	91-1	-0.01	0.01	0.00	0.00	N/A	ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	N/A	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:24:27	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	20.31	19.78	19.89	19.99	1.39	ppb
Antimony	121-1	1.80	1.85	1.74	1.80	3.01	ppb
Arsenic	75-1	0.92	0.97	0.89	0.92	4.40	ppb
Barium	135-1	9.34	9.21	9.38	9.31	0.97	ppb
Barium	137-1	9.70	9.39	9.23	9.44	2.53	ppb
Beryllium	9-1	1.04	0.82	0.90	0.92	12.07	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Boron	11-1	16.91	19.63	21.24	19.26	11.37	ppb
Boron	10-1	16.53	19.08	22.84	19.48	16.29	ppb
Bromine	81-1						cps
Cadmium	106-1	0.86	2.07	0.70	1.21	61.92	ppb
Cadmium	108-1	0.76	1.55	1.07	1.13	35.50	ppb
Cadmium	111-1	0.99	1.03	0.88	0.97	8.24	ppb
Calcium	43-1	512.25	524.21	458.24	498.23	7.05	ppb
Calcium	44-1	512.51	497.65	502.34	504.17	1.51	ppb
Chromium	52-1	1.99	1.81	1.77	1.86	6.26	ppb
Cobalt	59-1	1.01	0.92	0.94	0.96	4.79	ppb
Copper	63-1	2.03	2.01	2.03	2.02	0.57	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	54-1	39.64	41.77	28.72	36.71	19.07	ppb
Iron	56-1	52.58	34.19	31.17	39.31	29.48	ppb
Iron	57-1	47.78	47.53	55.60	50.30	9.12	ppb
Krypton	83-1						cps
Lead	206-1	0.83	0.87	0.81	0.84	3.27	ppb
Lead	207-1	0.90	0.79	0.82	0.84	6.31	ppb
Lead	208-1	0.84	0.85	0.84	0.84	0.63	ppb
Lithium	6-1				103		%
Magnesium	24-1	490.44	500.18	498.99	496.54	1.07	ppb
Manganese	55-1	0.96	0.85	0.85	0.88	7.09	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:24:27	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.82	4.46	4.85	4.71	4.63	ppb
Molybdenum	95-1	4.77	4.70	4.66	4.71	1.09	ppb
Molybdenum	96-1	4.95	4.90	5.12	4.99	2.36	ppb
Molybdenum	97-1	4.61	4.37	4.46	4.48	2.68	ppb
Molybdenum	98-1	4.72	4.64	4.73	4.70	1.09	ppb
Neodymium	150-1						cps
Nickel	60-1	0.97	1.10	1.04	1.04	6.46	ppb
Phosphorus	31-1	28.09	26.77	17.08	23.98	25.05	ppb
Potassium	39-1	464.94	446.67	443.14	451.58	2.59	ppb
Rhodium	103-1				102		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	3.36	4.68	4.54	4.19	17.23	ppb
Selenium	77-1	4.61	5.11	5.12	4.95	5.88	ppb
Selenium	78-1	-5.73	-20.93	-21.87	-16.17		ppb
Silicon	28-1	7.17	4.61	-1.24	3.51	122.80	ppb
Silver	109-1	1.09	1.10	1.06	1.09	1.69	ppb
Silver	107-1	1.06	1.07	1.06	1.06	0.47	ppb
Sodium	23-1	473.95	484.38	472.02	476.78	1.39	ppb
Strontium	86-1	0.90	0.89	1.11	0.97	13.04	ppb
Strontium	88-1	0.92	0.91	0.92	0.92	0.92	ppb
Sulfur	34-1	301.84	-28.59	-309.97	-12.24		ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	205-1	0.95	0.87	0.95	0.92	5.01	ppb
Thallium	203-1	0.93	0.86	0.89	0.89	4.39	ppb
Tin	118-1	4.76	4.89	4.97	4.87	2.24	ppb
Titanium	47-1	4.58	4.35	4.52	4.48	2.58	ppb
Uranium	238-1	0.88	0.85	0.89	0.87	2.02	ppb
Vanadium	51-1	4.90	5.09	4.72	4.90	3.73	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-1	2.09	1.91	1.83	1.94	6.75	ppb
Zirconium	91-1	0.86	0.90	0.92	0.89	3.40	ppb
Zirconium	90-1	0.87	0.79	0.82	0.83	4.38	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:27:25	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	1015.66	1014.25	1043.20	1024.37	1.59	ppb
Antimony	121-1	49.77	49.37	49.84	49.66	0.50	ppb
Arsenic	75-1	48.16	49.16	47.81	48.38	1.45	ppb
Barium	135-1	247.82	244.36	251.73	247.97	1.49	ppb
Barium	137-1	251.54	250.34	253.55	251.81	0.64	ppb
Beryllium	9-1	49.73	50.14	49.84	49.91	0.42	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Boron	11-1	43.22	46.51	51.25	46.99	8.59	ppb
Boron	10-1	43.61	48.07	50.59	47.42	7.46	ppb
Bromine	81-1						cps
Cadmium	106-1	49.72	49.39	50.67	49.93	1.33	ppb
Cadmium	108-1	51.59	49.01	51.22	50.60	2.76	ppb
Cadmium	111-1	50.29	49.05	51.57	50.30	2.51	ppb
Calcium	43-1	5133.73	5277.58	5474.49	5295.27	3.23	ppb
Calcium	44-1	5437.82	5451.02	5534.31	5474.38	0.96	ppb
Chromium	52-1	49.25	49.36	50.22	49.61	1.06	ppb
Cobalt	59-1	50.92	50.91	52.54	51.46	1.82	ppb
Copper	63-1	101.01	101.77	104.24	102.34	1.65	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				104		%
Iron	54-1	2755.92	2724.20	2819.59	2766.57	1.76	ppb
Iron	56-1	2564.47	2577.63	2627.04	2589.72	1.27	ppb
Iron	57-1	2686.88	2705.62	2721.60	2704.70	0.64	ppb
Krypton	83-1						cps
Lead	206-1	49.50	47.49	48.38	48.46	2.08	ppb
Lead	207-1	49.02	48.50	49.82	49.11	1.36	ppb
Lead	208-1	48.34	47.64	48.59	48.19	1.02	ppb
Lithium	6-1				104		%
Magnesium	24-1	5068.23	5114.91	5165.37	5116.17	0.95	ppb
Manganese	55-1	100.58	99.18	101.54	100.43	1.18	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:27:25	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	247.06	250.40	244.71	247.39	1.16	ppb
Molybdenum	95-1	245.30	246.56	243.58	245.15	0.61	ppb
Molybdenum	96-1	244.39	251.22	241.85	245.82	1.97	ppb
Molybdenum	97-1	248.36	252.12	243.35	247.94	1.77	ppb
Molybdenum	98-1	245.73	250.06	247.96	247.91	0.87	ppb
Neodymium	150-1						cps
Nickel	60-1	50.07	49.83	51.90	50.60	2.24	ppb
Phosphorus	31-1	956.69	971.38	975.24	967.77	1.01	ppb
Potassium	39-1	2501.80	2524.25	2604.77	2543.61	2.13	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	46.34	49.04	48.14	47.84	2.88	ppb
Selenium	77-1	45.59	50.10	47.08	47.59	4.83	ppb
Selenium	78-1	28.61	37.05	18.86	28.17	32.32	ppb
Silicon	28-1	56.08	64.36	73.52	64.65	13.49	ppb
Silver	109-1	50.36	49.47	51.88	50.57	2.41	ppb
Silver	107-1	50.87	49.38	51.33	50.53	2.02	ppb
Sodium	23-1	5044.80	5173.16	5241.71	5153.22	1.94	ppb
Strontium	86-1	48.55	48.42	48.44	48.47	0.14	ppb
Strontium	88-1	50.24	50.49	50.33	50.35	0.25	ppb
Sulfur	34-1	388.63	742.17	1292.54	807.78	56.39	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	205-1	50.00	48.97	49.43	49.47	1.04	ppb
Thallium	203-1	49.34	47.40	48.71	48.48	2.04	ppb
Tin	118-1	50.84	49.92	50.40	50.39	0.90	ppb
Titanium	47-1	240.92	237.81	246.39	241.71	1.80	ppb
Uranium	238-1	49.39	48.08	48.56	48.67	1.36	ppb
Vanadium	51-1	49.06	48.70	49.56	49.11	0.89	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-1	98.00	100.47	102.65	100.37	2.32	ppb
Zirconium	91-1	48.12	48.57	49.34	48.68	1.27	ppb
Zirconium	90-1	50.01	49.64	49.51	49.72	0.52	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:30:25	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	2677.62	2661.89	2671.88	2670.46	0.30	ppb
Antimony	121-1	128.78	129.70	128.64	129.04	0.45	ppb
Arsenic	75-1	126.64	129.22	125.23	127.03	1.59	ppb
Barium	135-1	647.06	644.55	643.61	645.07	0.28	ppb
Barium	137-1	649.94	640.42	649.55	646.64	0.83	ppb
Beryllium	9-1	126.31	128.05	125.31	126.56	1.09	ppb
Bismuth	209-1				100		%
Bismuth	209-2				102		%
Boron	11-1	113.44	123.84	127.33	121.54	5.95	ppb
Boron	10-1	108.88	120.37	132.55	120.60	9.82	ppb
Bromine	81-1						cps
Cadmium	106-1	132.10	133.32	126.32	130.58	2.86	ppb
Cadmium	108-1	133.11	131.33	124.74	129.72	3.40	ppb
Cadmium	111-1	128.11	128.71	129.05	128.63	0.37	ppb
Calcium	43-1	14039.20	13747.29	13884.74	13890.41	1.05	ppb
Calcium	44-1	13904.39	13799.07	13814.95	13839.47	0.41	ppb
Chromium	52-1	128.39	129.97	127.02	128.46	1.15	ppb
Cobalt	59-1	134.22	133.68	131.08	132.99	1.26	ppb
Copper	63-1	265.38	264.65	266.62	265.55	0.38	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	54-1	6852.01	6916.89	6793.05	6853.98	0.90	ppb
Iron	56-1	6855.13	6748.88	6695.13	6766.38	1.20	ppb
Iron	57-1	7084.85	6981.67	7031.41	7032.64	0.73	ppb
Krypton	83-1						cps
Lead	206-1	123.23	123.99	124.58	123.93	0.55	ppb
Lead	207-1	124.86	125.53	124.92	125.10	0.30	ppb
Lead	208-1	123.44	124.93	124.76	124.38	0.66	ppb
Lithium	6-1				102		%
Magnesium	24-1	13374.22	13349.82	13358.72	13360.92	0.09	ppb
Manganese	55-1	257.69	260.81	256.84	258.45	0.81	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:30:25	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	649.22	651.94	632.79	644.65	1.61	ppb
Molybdenum	95-1	647.72	645.93	641.30	644.98	0.51	ppb
Molybdenum	96-1	638.92	639.58	626.04	634.85	1.20	ppb
Molybdenum	97-1	640.47	654.21	640.92	645.20	1.21	ppb
Molybdenum	98-1	640.55	651.15	634.23	641.98	1.33	ppb
Neodymium	150-1						cps
Nickel	60-1	131.83	130.33	130.38	130.85	0.65	ppb
Phosphorus	31-1	2611.45	2592.86	2572.37	2592.23	0.75	ppb
Potassium	39-1	6667.85	6562.44	6496.31	6575.53	1.32	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				103		%
Selenium	82-1	129.00	133.91	128.77	130.56	2.22	ppb
Selenium	77-1	128.68	121.52	125.60	125.27	2.87	ppb
Selenium	78-1	124.83	140.20	119.78	128.27	8.29	ppb
Silicon	28-1	174.01	134.10	150.18	152.76	13.14	ppb
Silver	109-1	129.71	130.24	129.90	129.95	0.21	ppb
Silver	107-1	130.96	130.58	130.57	130.70	0.17	ppb
Sodium	23-1	13784.79	13349.61	13508.28	13547.56	1.63	ppb
Strontium	86-1	125.76	129.06	122.89	125.90	2.45	ppb
Strontium	88-1	131.40	130.90	129.01	130.44	0.97	ppb
Sulfur	34-1	3507.11	3500.36	3359.47	3455.65	2.41	ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	205-1	126.78	130.34	127.85	128.32	1.42	ppb
Thallium	203-1	124.54	125.16	126.45	125.38	0.78	ppb
Tin	118-1	128.20	129.05	127.36	128.20	0.66	ppb
Titanium	47-1	642.84	634.09	636.47	637.80	0.71	ppb
Uranium	238-1	125.93	127.45	126.34	126.57	0.62	ppb
Vanadium	51-1	128.71	129.84	127.04	128.53	1.10	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-1	260.13	260.66	255.63	258.81	1.07	ppb
Zirconium	91-1	123.65	126.33	122.65	124.21	1.53	ppb
Zirconium	90-1	125.83	126.77	123.92	125.51	1.16	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:33:23	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	5435.38	5334.14	5377.96	5382.50	0.94	ppb
Antimony	121-1	260.47	262.28	260.16	260.97	0.44	ppb
Arsenic	75-1	256.97	255.66	254.18	255.60	0.55	ppb
Barium	135-1	1301.75	1321.94	1305.30	1309.66	0.82	ppb
Barium	137-1	1301.11	1327.08	1310.76	1312.98	1.00	ppb
Beryllium	9-1	264.17	264.62	257.57	262.12	1.51	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Boron	11-1	223.65	253.64	269.52	248.94	9.36	ppb
Boron	10-1	225.16	257.96	271.52	251.55	9.48	ppb
Bromine	81-1						cps
Cadmium	106-1	265.49	259.35	262.23	262.36	1.17	ppb
Cadmium	108-1	254.86	268.87	266.01	263.24	2.81	ppb
Cadmium	111-1	262.67	263.51	265.93	264.04	0.64	ppb
Calcium	43-1	27684.81	28040.96	27740.23	27822.00	0.69	ppb
Calcium	44-1	27285.61	27908.66	27078.89	27424.38	1.58	ppb
Chromium	52-1	259.10	260.40	256.27	258.59	0.82	ppb
Cobalt	59-1	260.09	257.13	264.78	260.67	1.48	ppb
Copper	63-1	535.92	535.16	524.98	532.02	1.15	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				107		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	54-1	14198.27	13543.17	13644.88	13795.44	2.56	ppb
Iron	56-1	13707.56	13571.18	13498.78	13592.50	0.78	ppb
Iron	57-1	13658.64	13640.59	13494.20	13597.81	0.66	ppb
Krypton	83-1						cps
Lead	206-1	254.80	251.11	249.86	251.92	1.02	ppb
Lead	207-1	260.45	253.99	251.94	255.46	1.74	ppb
Lead	208-1	256.97	251.52	249.40	252.63	1.55	ppb
Lithium	6-1				106		%
Magnesium	24-1	27315.54	26508.06	27059.79	26961.13	1.53	ppb
Manganese	55-1	519.33	515.26	508.01	514.20	1.12	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:33:23	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1280.31	1311.92	1290.39	1294.21	1.25	ppb
Molybdenum	95-1	1288.16	1304.18	1279.74	1290.69	0.96	ppb
Molybdenum	96-1	1268.36	1288.85	1293.02	1283.41	1.03	ppb
Molybdenum	97-1	1288.38	1292.55	1281.67	1287.53	0.43	ppb
Molybdenum	98-1	1291.30	1277.77	1261.23	1276.76	1.18	ppb
Neodymium	150-1						cps
Nickel	60-1	261.16	263.03	261.90	262.03	0.36	ppb
Phosphorus	31-1	5182.01	5194.75	5182.95	5186.57	0.14	ppb
Potassium	39-1	13223.73	12980.25	13153.90	13119.29	0.96	ppb
Rhodium	103-1				104		%
Rhodium	103-2				106		%
Scandium	45-1				107		%
Scandium	45-2				105		%
Selenium	82-1	258.90	260.61	256.70	258.74	0.76	ppb
Selenium	77-1	262.31	267.59	254.91	261.60	2.43	ppb
Selenium	78-1	252.61	237.92	228.49	239.68	5.07	ppb
Silicon	28-1	245.42	252.68	253.76	250.62	1.81	ppb
Silver	109-1	264.80	269.51	265.92	266.74	0.92	ppb
Silver	107-1	264.15	269.88	269.60	267.88	1.20	ppb
Sodium	23-1	26488.79	27279.54	26575.76	26781.36	1.62	ppb
Strontium	86-1	254.27	256.29	252.40	254.32	0.76	ppb
Strontium	88-1	259.18	257.58	258.29	258.35	0.31	ppb
Sulfur	34-1	4276.29	4480.14	4629.28	4461.90	3.97	ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	205-1	264.70	257.81	256.19	259.56	1.74	ppb
Thallium	203-1	255.87	255.75	254.10	255.24	0.39	ppb
Tin	118-1	263.16	261.85	258.56	261.19	0.91	ppb
Titanium	47-1	1312.21	1287.14	1308.64	1302.66	1.04	ppb
Uranium	238-1	261.05	258.89	257.37	259.10	0.71	ppb
Vanadium	51-1	262.78	254.18	254.14	257.03	1.94	ppb
Yttrium	89-1				107		%
Yttrium	89-2				105		%
Zinc	66-1	525.65	523.10	519.97	522.90	0.54	ppb
Zirconium	91-1	253.49	249.79	249.49	250.92	0.89	ppb
Zirconium	90-1	255.10	250.01	251.64	252.25	1.03	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:36:24	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	11565.26	10580.14	10127.29	10757.56	6.83	ppb
Antimony	121-1	557.33	522.69	494.84	524.95	5.96	ppb
Arsenic	75-1	545.38	514.57	485.70	515.22	5.79	ppb
Barium	135-1	2748.66	2585.11	2487.18	2606.98	5.07	ppb
Barium	137-1	2800.51	2588.69	2512.45	2633.88	5.67	ppb
Beryllium	9-1	545.50	505.53	490.66	513.90	5.52	ppb
Bismuth	209-1				101		%
Bismuth	209-2				107		%
Boron	11-1	483.62	506.65	532.49	507.59	4.82	ppb
Boron	10-1	484.56	513.06	520.52	506.05	3.75	ppb
Bromine	81-1						cps
Cadmium	106-1	552.12	518.66	492.46	521.08	5.74	ppb
Cadmium	108-1	566.61	513.65	493.13	524.46	7.23	ppb
Cadmium	111-1	565.51	513.34	495.42	524.76	6.94	ppb
Calcium	43-1	60167.76	54326.10	53466.85	55986.90	6.51	ppb
Calcium	44-1	58859.73	53404.62	52372.93	54879.09	6.35	ppb
Chromium	52-1	549.01	489.92	477.82	505.59	7.53	ppb
Cobalt	59-1	561.04	499.23	491.70	517.32	7.35	ppb
Copper	63-1	1115.26	999.11	988.50	1034.29	6.80	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				101		%
Holmium	165-2				110		%
Indium	115-1				100		%
Indium	115-2				106		%
Iron	54-1	29395.42	26628.95	25923.80	27316.06	6.72	ppb
Iron	56-1	28564.75	26455.99	25722.17	26914.30	5.48	ppb
Iron	57-1	29662.95	26532.61	25572.03	27255.87	7.85	ppb
Krypton	83-1						cps
Lead	206-1	551.30	494.55	472.55	506.13	8.03	ppb
Lead	207-1	552.42	497.92	474.72	508.35	7.85	ppb
Lead	208-1	555.96	500.47	474.98	510.47	8.11	ppb
Lithium	6-1				103		%
Magnesium	24-1	58003.32	51488.26	50643.60	53378.39	7.55	ppb
Manganese	55-1	1083.14	987.80	955.41	1008.78	6.58	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:36:24	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2773.97	2550.52	2491.70	2605.40	5.72	ppb
Molybdenum	95-1	2792.33	2497.18	2459.73	2583.08	7.05	ppb
Molybdenum	96-1	2749.15	2512.14	2425.08	2562.12	6.55	ppb
Molybdenum	97-1	2829.33	2537.22	2476.71	2614.42	7.21	ppb
Molybdenum	98-1	2752.11	2470.12	2428.73	2550.32	6.90	ppb
Neodymium	150-1						cps
Nickel	60-1	557.39	494.54	485.30	512.41	7.65	ppb
Phosphorus	31-1	11095.08	9966.46	9632.08	10231.20	7.49	ppb
Potassium	39-1	29134.16	25170.00	25134.02	26479.39	8.68	ppb
Rhodium	103-1				99		%
Rhodium	103-2				106		%
Scandium	45-1				103		%
Scandium	45-2				107		%
Selenium	82-1	545.30	509.51	482.77	512.53	6.12	ppb
Selenium	77-1	561.83	525.11	475.61	520.85	8.31	ppb
Selenium	78-1	603.54	516.98	481.34	533.95	11.77	ppb
Silicon	28-1	629.60	569.65	550.35	583.20	7.09	ppb
Silver	109-1	560.57	512.49	497.56	523.54	6.29	ppb
Silver	107-1	558.95	522.00	501.45	527.46	5.52	ppb
Sodium	23-1	59069.48	52777.04	51719.95	54522.16	7.29	ppb
Strontium	86-1	558.14	505.67	491.23	518.35	6.79	ppb
Strontium	88-1	563.61	520.39	493.65	525.88	6.71	ppb
Sulfur	34-1	15168.49	9293.93	8903.65	11122.02	31.56	ppb
Terbium	159-1				103		%
Terbium	159-2				110		%
Thallium	205-1	566.80	504.00	491.02	520.61	7.78	ppb
Thallium	203-1	552.84	491.77	488.77	511.13	7.07	ppb
Tin	118-1	556.92	520.83	490.69	522.81	6.34	ppb
Titanium	47-1	2759.49	2460.09	2399.65	2539.74	7.59	ppb
Uranium	238-1	558.55	505.17	493.00	518.91	6.72	ppb
Vanadium	51-1	553.84	493.92	481.87	509.88	7.56	ppb
Yttrium	89-1				102		%
Yttrium	89-2				106		%
Zinc	66-1	1107.64	988.13	975.88	1023.88	7.11	ppb
Zirconium	91-1	560.59	506.40	494.28	520.42	6.78	ppb
Zirconium	90-1	565.76	501.21	493.50	520.16	7.63	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:39:22	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	20566.22	21404.52	20406.71	20792.48	2.58	ppb
Antimony	121-1	984.10	981.05	987.72	984.29	0.34	ppb
Arsenic	75-1	990.12	990.09	992.24	990.82	0.12	ppb
Barium	135-1	4921.02	4970.62	4895.92	4929.19	0.77	ppb
Barium	137-1	4989.22	4851.84	4902.49	4914.52	1.41	ppb
Beryllium	9-1	993.06	980.72	995.71	989.83	0.81	ppb
Bismuth	209-1				114		%
Bismuth	209-2				113		%
Boron	11-1	904.67	1007.59	1079.34	997.20	8.80	ppb
Boron	10-1	890.05	1001.76	1100.42	997.41	10.55	ppb
Bromine	81-1						cps
Cadmium	106-1	1001.67	972.30	983.06	985.68	1.51	ppb
Cadmium	108-1	991.10	978.20	982.21	983.84	0.67	ppb
Cadmium	111-1	986.95	979.78	984.20	983.64	0.37	ppb
Calcium	43-1	105119.85	110792.43	103722.96	106545.08	3.51	ppb
Calcium	44-1	107509.32	111662.06	105113.07	108094.82	3.07	ppb
Chromium	52-1	980.19	1008.80	994.95	994.65	1.44	ppb
Cobalt	59-1	977.32	1021.90	963.58	987.60	3.09	ppb
Copper	63-1	1967.71	2033.37	1917.29	1972.79	2.95	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				115		%
Holmium	165-2				119		%
Indium	115-1				113		%
Indium	115-2				111		%
Iron	54-1	53452.81	53962.30	52657.06	53357.39	1.23	ppb
Iron	56-1	52286.84	53843.77	52456.58	52862.39	1.62	ppb
Iron	57-1	53095.34	53699.00	51700.84	52831.73	1.94	ppb
Krypton	83-1						cps
Lead	206-1	983.09	1007.87	999.03	996.66	1.26	ppb
Lead	207-1	981.45	1011.92	990.10	994.49	1.58	ppb
Lead	208-1	982.25	1002.97	997.60	994.28	1.08	ppb
Lithium	6-1				114		%
Magnesium	24-1	102967.89	106941.75	102700.69	104203.45	2.28	ppb
Manganese	55-1	1982.00	2023.18	1967.76	1990.98	1.45	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:39:22	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4933.83	5063.72	4804.25	4933.93	2.63	ppb
Molybdenum	95-1	4903.73	5056.68	4877.71	4946.04	1.95	ppb
Molybdenum	96-1	4896.29	5026.53	4955.90	4959.57	1.31	ppb
Molybdenum	97-1	4920.90	4993.60	4878.50	4931.00	1.18	ppb
Molybdenum	98-1	4936.80	5027.61	4934.01	4966.14	1.07	ppb
Neodymium	150-1						cps
Nickel	60-1	974.38	1030.29	965.41	990.03	3.55	ppb
Phosphorus	31-1	19816.64	20184.41	19482.47	19827.84	1.77	ppb
Potassium	39-1	51201.10	52682.61	50328.95	51404.22	2.31	ppb
Rhodium	103-1				110		%
Rhodium	103-2				111		%
Scandium	45-1				114		%
Scandium	45-2				113		%
Selenium	82-1	987.37	997.79	987.74	990.97	0.60	ppb
Selenium	77-1	996.26	980.31	983.71	986.76	0.85	ppb
Selenium	78-1	981.42	989.82	987.94	986.39	0.45	ppb
Silicon	28-1	943.66	975.11	943.54	954.11	1.91	ppb
Silver	109-1	979.76	986.26	984.17	983.40	0.34	ppb
Silver	107-1	986.97	968.18	988.02	981.06	1.14	ppb
Sodium	23-1	104126.66	109172.71	104343.63	105881.00	2.69	ppb
Strontium	86-1	986.05	990.80	992.27	989.71	0.33	ppb
Strontium	88-1	975.86	986.81	990.16	984.28	0.76	ppb
Sulfur	34-1	19693.29	20358.71	18339.00	19463.67	5.29	ppb
Terbium	159-1				118		%
Terbium	159-2				119		%
Thallium	205-1	974.88	1001.18	984.69	986.92	1.35	ppb
Thallium	203-1	986.38	1000.95	992.14	993.16	0.74	ppb
Tin	118-1	993.87	972.05	990.21	985.38	1.19	ppb
Titanium	47-1	4847.96	5085.01	4964.39	4965.79	2.39	ppb
Uranium	238-1	976.86	1003.76	983.80	988.14	1.41	ppb
Vanadium	51-1	987.47	1009.41	981.84	992.91	1.47	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-1	1971.31	2023.94	1948.39	1981.21	1.96	ppb
Zirconium	91-1	997.07	1007.44	964.65	989.72	2.26	ppb
Zirconium	90-1	992.07	998.25	977.60	989.31	1.07	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:42:23	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	98078.73	101474.00	99673.62	99742.12	1.70	ppb
Antimony	121-1	0.71	0.84	0.76	0.77	8.56	ppb
Arsenic	75-1	0.75	0.65	0.66	0.69	8.29	ppb
Barium	135-1	10.50	10.25	10.10	10.28	1.96	ppb
Barium	137-1	10.48	10.95	10.08	10.50	4.14	ppb
Beryllium	9-1	0.34	0.44	0.30	0.36	19.86	ppb
Bismuth	209-1				106		%
Bismuth	209-2				104		%
Boron	11-1	197.73	173.58	160.04	177.12	10.78	ppb
Boron	10-1	197.20	174.53	157.41	176.38	11.32	ppb
Bromine	81-1						cps
Cadmium	106-1	1.54	1.99	0.78	1.44	42.42	ppb
Cadmium	108-1	0.51	0.93	0.61	0.68	32.53	ppb
Cadmium	111-1	0.62	0.57	0.50	0.57	10.82	ppb
Calcium	43-1	499311.39	501849.64	492579.42	497913.48	0.96	ppb
Calcium	44-1	503038.22	499571.24	490591.56	497733.67	1.29	ppb
Chromium	52-1	16.98	17.29	16.56	16.94	2.16	ppb
Cobalt	59-1	2.00	1.93	1.98	1.97	1.97	ppb
Copper	63-1	11.42	10.94	10.71	11.02	3.30	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				112		%
Holmium	165-2				114		%
Indium	115-1				116		%
Indium	115-2				112		%
Iron	54-1	250002.21	250652.07	246388.87	249014.38	0.92	ppb
Iron	56-1	248449.73	251978.74	247074.51	249167.66	1.02	ppb
Iron	57-1	247265.11	251954.49	248175.10	249131.56	1.00	ppb
Krypton	83-1						cps
Lead	206-1	4.67	4.88	4.70	4.75	2.32	ppb
Lead	207-1	4.92	4.88	4.81	4.87	1.19	ppb
Lead	208-1	4.79	4.73	4.66	4.73	1.42	ppb
Lithium	6-1				109		%
Magnesium	24-1	508051.37	500430.15	487620.68	498700.73	2.07	ppb
Manganese	55-1	9.76	9.61	9.76	9.71	0.89	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:42:23	DataFile Name :	012CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	3.47	3.32	2.96	3.25	8.08	ppb
Molybdenum	95-1	3.89	3.65	3.45	3.66	6.08	ppb
Molybdenum	96-1	4.51	4.03	3.81	4.12	8.64	ppb
Molybdenum	97-1	4.23	3.99	3.76	3.99	5.91	ppb
Molybdenum	98-1	3.90	3.50	3.59	3.66	5.78	ppb
Neodymium	150-1						cps
Nickel	60-1	12.77	12.17	12.68	12.54	2.59	ppb
Phosphorus	31-1	-22.74	-21.92	-22.94	-22.53		ppb
Potassium	39-1	248090.01	251102.49	249402.81	249531.77	0.61	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	82-1	-0.43	-0.89	-1.44	-0.92		ppb
Selenium	77-1	1.76	1.92	0.33	1.34	65.67	ppb
Selenium	78-1	-32.35	-45.89	-37.87	-38.70		ppb
Silicon	28-1	88.82	92.76	72.58	84.72	12.63	ppb
Silver	109-1	0.51	0.49	0.37	0.45	16.48	ppb
Silver	107-1	0.42	0.48	0.39	0.43	10.69	ppb
Sodium	23-1	499153.86	502173.17	493437.42	498254.82	0.89	ppb
Strontium	86-1	2.26	2.06	1.71	2.01	13.89	ppb
Strontium	88-1	2.24	2.23	2.12	2.20	3.15	ppb
Sulfur	34-1	-3725.37	-3603.02	-4164.21	-3830.87		ppb
Terbium	159-1				112		%
Terbium	159-2				115		%
Thallium	205-1	0.80	0.67	0.60	0.69	15.08	ppb
Thallium	203-1	0.75	0.68	0.67	0.70	6.36	ppb
Tin	118-1	0.73	0.64	0.64	0.67	7.47	ppb
Titanium	47-1	1.39	1.22	1.27	1.29	6.80	ppb
Uranium	238-1	0.31	0.29	0.28	0.30	6.35	ppb
Vanadium	51-1	0.57	0.59	0.58	0.58	1.57	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-1	33.97	32.37	31.39	32.58	3.99	ppb
Zirconium	91-1	0.38	0.39	0.38	0.39	0.69	ppb
Zirconium	90-1	0.45	0.43	0.41	0.43	5.11	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:02:27	DataFile Name :	013ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	528.85	518.67	514.00	520.51	1.46	ppb
Antimony	121-1	194.33	197.65	199.17	197.05	1.26	ppb
Arsenic	75-1	199.95	197.78	197.33	198.35	0.71	ppb
Barium	135-1	100.42	102.77	100.01	101.07	1.47	ppb
Barium	137-1	102.32	102.89	104.47	103.23	1.08	ppb
Beryllium	9-1	100.11	99.51	99.72	99.78	0.31	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Boron	11-1	329.06	403.18	457.12	396.45	16.22	ppb
Boron	10-1	324.00	409.25	463.41	398.89	17.62	ppb
Bromine	81-1						cps
Cadmium	106-1	140.93	145.48	150.47	145.63	3.28	ppb
Cadmium	108-1	133.21	136.78	132.97	134.32	1.59	ppb
Cadmium	111-1	103.43	104.87	105.67	104.66	1.09	ppb
Calcium	43-1	2384.92	2344.18	2312.59	2347.23	1.54	ppb
Calcium	44-1	2335.32	2278.57	2321.76	2311.88	1.28	ppb
Chromium	52-1	99.54	99.56	101.15	100.08	0.92	ppb
Cobalt	59-1	105.75	104.54	106.43	105.57	0.91	ppb
Copper	63-1	106.39	103.74	105.48	105.20	1.28	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				103		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	54-1	2201.12	2141.37	2203.12	2181.87	1.61	ppb
Iron	56-1	2061.80	2033.78	2065.32	2053.63	0.84	ppb
Iron	57-1	2147.96	2093.91	2162.71	2134.86	1.70	ppb
Krypton	83-1						cps
Lead	206-1	201.42	207.70	198.70	202.61	2.28	ppb
Lead	207-1	195.35	201.35	192.47	196.39	2.31	ppb
Lead	208-1	196.65	202.31	195.34	198.10	1.87	ppb
Lithium	6-1				98		%
Magnesium	24-1	1204.89	1189.86	1211.98	1202.25	0.94	ppb
Manganese	55-1	101.04	99.27	100.75	100.35	0.95	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:02:27	DataFile Name :	013ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2481.04	2452.61	2397.80	2443.82	1.73	ppb
Molybdenum	95-1	2505.54	2461.88	2389.47	2452.30	2.39	ppb
Molybdenum	96-1	2439.09	2405.72	2373.99	2406.27	1.35	ppb
Molybdenum	97-1	2477.11	2442.67	2372.34	2430.71	2.20	ppb
Molybdenum	98-1	2482.29	2429.23	2358.63	2423.38	2.56	ppb
Neodymium	150-1						cps
Nickel	60-1	103.26	102.37	104.08	103.23	0.83	ppb
Phosphorus	31-1	-24.56	-23.00	-25.22	-24.26		ppb
Potassium	39-1	1999.47	1928.72	2026.75	1984.98	2.55	ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				101		%
Scandium	45-2				104		%
Selenium	82-1	202.10	199.04	201.41	200.85	0.80	ppb
Selenium	77-1	203.62	198.40	203.71	201.91	1.51	ppb
Selenium	78-1	207.67	185.17	192.94	195.26	5.85	ppb
Silicon	28-1	438.54	445.63	478.05	454.07	4.64	ppb
Silver	109-1	48.37	48.81	49.76	48.98	1.45	ppb
Silver	107-1	49.78	50.51	50.61	50.30	0.90	ppb
Sodium	23-1	2066.69	1982.94	2034.29	2027.98	2.08	ppb
Strontium	86-1	479.18	468.43	468.28	471.97	1.32	ppb
Strontium	88-1	479.89	478.95	485.78	481.54	0.77	ppb
Sulfur	34-1	-1250.42	-1362.51	-859.24	-1157.39		ppb
Terbium	159-1				104		%
Terbium	159-2				106		%
Thallium	205-1	203.25	209.08	201.40	204.58	1.96	ppb
Thallium	203-1	200.85	203.84	195.96	200.22	1.99	ppb
Tin	118-1	479.20	485.38	491.09	485.22	1.23	ppb
Titanium	47-1	2449.46	2454.96	2484.64	2463.02	0.77	ppb
Uranium	238-1	478.93	491.46	467.18	479.19	2.53	ppb
Vanadium	51-1	100.00	98.52	99.15	99.22	0.75	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-1	199.08	196.05	200.72	198.62	1.19	ppb
Zirconium	91-1	489.01	482.84	479.41	483.76	1.01	ppb
Zirconium	90-1	491.56	483.94	485.79	487.10	0.82	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:05:16	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	0.18	0.09	0.04	0.10	70.32	ppb
Antimony	121-1	0.05	0.04	0.04	0.05	13.60	ppb
Arsenic	75-1	0.03	0.04	0.03	0.03	28.82	ppb
Barium	135-1	-0.01	-0.05	-0.04	-0.04		ppb
Barium	137-1	0.01	-0.03	-0.03	-0.01		ppb
Beryllium	9-1	0.03	0.06	0.04	0.05	35.06	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Boron	11-1	85.83	76.50	72.05	78.13	9.00	ppb
Boron	10-1	90.51	77.39	72.68	80.19	11.52	ppb
Bromine	81-1						cps
Cadmium	106-1	0.75	0.66	-1.28	0.04	2630.89	ppb
Cadmium	108-1	-0.02	0.16	0.04	0.06	162.53	ppb
Cadmium	111-1	0.07	0.06	-0.10	0.01	876.84	ppb
Calcium	43-1	-8.37	-21.45	-14.19	-14.67		ppb
Calcium	44-1	22.06	20.14	19.79	20.66	5.91	ppb
Chromium	52-1	0.07	0.03	0.00	0.03	114.14	ppb
Cobalt	59-1	0.00	-0.03	0.00	-0.01		ppb
Copper	63-1	0.10	0.04	0.09	0.08	43.67	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	54-1	-5.29	-16.32	-22.07	-14.56		ppb
Iron	56-1	-5.97	-14.41	-16.55	-12.31		ppb
Iron	57-1	-7.95	-9.58	-19.40	-12.31		ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.01	0.04	0.03	49.28	ppb
Lead	207-1	0.07	0.02	0.05	0.05	50.07	ppb
Lead	208-1	0.04	0.02	0.03	0.03	27.11	ppb
Lithium	6-1				98		%
Magnesium	24-1	0.48	0.41	0.37	0.42	13.41	ppb
Manganese	55-1	0.09	-0.11	-0.05	-0.02		ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:05:16	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.50	0.31	0.19	0.33	47.03	ppb
Molybdenum	95-1	0.57	0.33	0.23	0.38	46.08	ppb
Molybdenum	96-1	0.45	0.33	0.15	0.31	48.29	ppb
Molybdenum	97-1	0.55	0.39	0.25	0.40	38.59	ppb
Molybdenum	98-1	0.42	0.36	0.14	0.31	47.75	ppb
Neodymium	150-1						cps
Nickel	60-1	0.08	-0.03	-0.02	0.01	629.16	ppb
Phosphorus	31-1	-24.25	-26.76	-27.05	-26.02		ppb
Potassium	39-1	-19.99	-25.13	-23.53	-22.89		ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	-0.73	0.99	0.57	0.28	327.18	ppb
Selenium	77-1	0.27	-0.42	0.62	0.15	345.78	ppb
Selenium	78-1	-18.73	-1.33	-5.29	-8.45		ppb
Silicon	28-1	17.09	9.11	7.27	11.15	46.80	ppb
Silver	109-1	0.01	0.00	0.01	0.01	47.18	ppb
Silver	107-1	0.02	0.02	0.01	0.02	48.03	ppb
Sodium	23-1	13.30	10.60	8.64	10.85	21.54	ppb
Strontium	86-1	0.18	0.11	0.09	0.13	38.46	ppb
Strontium	88-1	0.08	0.05	0.03	0.05	49.11	ppb
Sulfur	34-1	-1715.54	-1811.93	-2216.20	-1914.56		ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	205-1	0.13	0.09	0.09	0.10	22.01	ppb
Thallium	203-1	0.10	0.12	0.12	0.11	9.02	ppb
Tin	118-1	0.09	0.08	0.05	0.07	29.97	ppb
Titanium	47-1	0.35	0.32	-0.24	0.14	230.46	ppb
Uranium	238-1	0.08	0.04	0.03	0.05	51.82	ppb
Vanadium	51-1	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-1	-0.11	-0.11	-0.18	-0.13		ppb
Zirconium	91-1	0.09	0.05	0.08	0.08	26.63	ppb
Zirconium	90-1	0.09	0.05	0.02	0.05	62.04	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:08:06	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	90166.06	91689.09	92618.64	91491.26	1.35	ppb
Antimony	121-1	1.09	1.05	1.14	1.09	4.22	ppb
Arsenic	75-1	0.71	0.78	1.01	0.83	19.23	ppb
Barium	135-1	1.32	1.36	1.28	1.32	3.14	ppb
Barium	137-1	1.36	1.38	1.45	1.40	3.34	ppb
Beryllium	9-1	0.31	0.27	0.29	0.29	6.72	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Boron	11-1	51.53	49.96	46.15	49.21	5.62	ppb
Boron	10-1	53.07	51.83	45.82	50.24	7.71	ppb
Bromine	81-1						cps
Cadmium	106-1	2.79	0.99	0.79	1.53	72.22	ppb
Cadmium	108-1	8.17	6.65	8.48	7.77	12.64	ppb
Cadmium	111-1	0.53	0.44	0.33	0.43	22.60	ppb
Calcium	43-1	104155.02	104236.53	105477.34	104622.96	0.71	ppb
Calcium	44-1	103284.35	104175.73	104998.06	104152.71	0.82	ppb
Chromium	52-1	19.70	20.24	19.87	19.93	1.38	ppb
Cobalt	59-1	1.21	1.20	1.21	1.20	0.53	ppb
Copper	63-1	8.90	8.81	9.01	8.91	1.09	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				106		%
Holmium	165-2				110		%
Indium	115-1				104		%
Indium	115-2				106		%
Iron	54-1	100231.01	102042.47	102784.29	101685.92	1.29	ppb
Iron	56-1	103052.41	101225.50	101978.73	102085.54	0.90	ppb
Iron	57-1	101794.80	101464.14	101287.30	101515.41	0.25	ppb
Krypton	83-1						cps
Lead	206-1	4.67	4.50	4.55	4.58	1.91	ppb
Lead	207-1	4.09	4.15	4.10	4.11	0.73	ppb
Lead	208-1	4.29	4.21	4.21	4.24	1.07	ppb
Lithium	6-1				101		%
Magnesium	24-1	97204.15	97094.02	97916.39	97404.85	0.46	ppb
Manganese	55-1	7.20	7.13	7.28	7.20	1.09	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:08:06	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1387.32	1353.21	1377.90	1372.81	1.28	ppb
Molybdenum	95-1	1928.29	1906.42	1938.71	1924.48	0.86	ppb
Molybdenum	96-1	1797.24	1823.65	1875.12	1832.00	2.16	ppb
Molybdenum	97-1	1917.72	1917.43	1936.98	1924.04	0.58	ppb
Molybdenum	98-1	1906.50	1909.14	1912.60	1909.41	0.16	ppb
Neodymium	150-1						cps
Nickel	60-1	5.37	5.44	5.47	5.43	0.94	ppb
Phosphorus	31-1	93204.39	94630.53	95533.48	94456.13	1.24	ppb
Potassium	39-1	100575.13	100485.64	100498.72	100519.83	0.05	ppb
Rhodium	103-1				103		%
Rhodium	103-2				106		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	82-1	-1.45	-0.50	0.75	-0.40		ppb
Selenium	77-1	3.96	6.14	5.31	5.14	21.42	ppb
Selenium	78-1	-14.97	-11.29	-1.41	-9.22		ppb
Silicon	28-1	35.33	31.51	38.94	35.26	10.53	ppb
Silver	109-1	0.03	0.02	0.04	0.03	27.73	ppb
Silver	107-1	0.02	0.02	0.04	0.03	40.54	ppb
Sodium	23-1	99738.75	100236.87	99851.15	99942.26	0.26	ppb
Strontium	86-1	32.72	32.36	33.39	32.82	1.59	ppb
Strontium	88-1	33.77	33.88	33.83	33.83	0.15	ppb
Sulfur	34-1	80250.17	81061.49	82943.38	81418.35	1.70	ppb
Terbium	159-1				107		%
Terbium	159-2				111		%
Thallium	205-1	0.11	0.12	0.14	0.12	14.13	ppb
Thallium	203-1	0.10	0.11	0.11	0.10	4.61	ppb
Tin	118-1	0.39	0.36	0.41	0.39	6.57	ppb
Titanium	47-1	1940.44	1941.07	1932.18	1937.90	0.26	ppb
Uranium	238-1	0.01	0.02	0.01	0.01	15.48	ppb
Vanadium	51-1	0.22	0.23	0.28	0.25	12.65	ppb
Yttrium	89-1				106		%
Yttrium	89-2				108		%
Zinc	66-1	11.34	11.11	11.62	11.36	2.28	ppb
Zirconium	91-1	0.02	0.01	0.05	0.02	96.23	ppb
Zirconium	90-1	0.01	0.03	0.01	0.01	87.66	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:10:54	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	90711.27	89836.61	102493.18	94347.02	7.49	ppb
Antimony	121-1	20.26	20.55	23.12	21.31	7.39	ppb
Arsenic	75-1	20.36	19.76	22.89	21.00	7.93	ppb
Barium	135-1	21.00	22.13	23.88	22.33	6.50	ppb
Barium	137-1	21.08	20.61	23.94	21.88	8.25	ppb
Beryllium	9-1	19.30	19.91	22.27	20.49	7.66	ppb
Bismuth	209-1				100		%
Bismuth	209-2				104		%
Boron	11-1	80.99	87.50	101.01	89.83	11.37	ppb
Boron	10-1	84.49	90.73	95.49	90.24	6.11	ppb
Bromine	81-1						cps
Cadmium	106-1	21.63	26.19	25.01	24.28	9.74	ppb
Cadmium	108-1	28.66	29.53	34.57	30.92	10.31	ppb
Cadmium	111-1	19.99	19.84	22.29	20.71	6.63	ppb
Calcium	43-1	102573.66	103370.54	115678.51	107207.57	6.85	ppb
Calcium	44-1	101193.69	102591.77	116329.77	106705.07	7.84	ppb
Chromium	52-1	38.21	39.13	43.69	40.34	7.27	ppb
Cobalt	59-1	20.53	20.98	23.64	21.72	7.75	ppb
Copper	63-1	28.45	28.80	32.32	29.86	7.16	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				103		%
Holmium	165-2				110		%
Indium	115-1				101		%
Indium	115-2				107		%
Iron	54-1	99043.26	101153.87	113090.68	104429.27	7.25	ppb
Iron	56-1	98828.98	100666.75	114232.61	104576.11	8.04	ppb
Iron	57-1	98539.41	99826.20	111399.17	103254.93	6.86	ppb
Krypton	83-1						cps
Lead	206-1	24.57	24.35	27.15	25.36	6.14	ppb
Lead	207-1	23.17	22.47	25.71	23.78	7.17	ppb
Lead	208-1	23.36	22.79	25.97	24.04	7.07	ppb
Lithium	6-1				98		%
Magnesium	24-1	96779.21	95979.41	108821.27	100526.63	7.16	ppb
Manganese	55-1	25.98	26.39	29.95	27.44	7.95	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:10:54	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	1449.65	1439.07	1610.67	1499.80	6.41	ppb
Molybdenum	95-1	1913.23	1925.90	2151.68	1996.94	6.72	ppb
Molybdenum	96-1	1846.74	1862.93	2048.01	1919.22	5.83	ppb
Molybdenum	97-1	1952.11	1937.78	2126.42	2005.44	5.24	ppb
Molybdenum	98-1	1901.15	1909.91	2170.14	1993.73	7.67	ppb
Neodymium	150-1						cps
Nickel	60-1	24.39	24.33	27.55	25.42	7.24	ppb
Phosphorus	31-1	91357.72	93624.23	104093.63	96358.53	7.05	ppb
Potassium	39-1	97036.31	97445.47	108229.34	100903.71	6.29	ppb
Rhodium	103-1				100		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				107		%
Selenium	82-1	17.82	15.63	19.11	17.52	10.05	ppb
Selenium	77-1	22.82	26.80	32.11	27.24	17.10	ppb
Selenium	78-1	5.30	7.50	62.06	24.95	128.86	ppb
Silicon	28-1	84.46	85.39	135.32	101.73	28.61	ppb
Silver	109-1	18.39	19.23	21.68	19.77	8.63	ppb
Silver	107-1	18.49	19.12	21.29	19.63	7.49	ppb
Sodium	23-1	97162.93	99578.61	110422.95	102388.16	6.90	ppb
Strontium	86-1	80.47	83.35	92.46	85.43	7.33	ppb
Strontium	88-1	84.16	83.66	94.80	87.54	7.19	ppb
Sulfur	34-1	73710.02	76393.87	89903.44	80002.44	10.85	ppb
Terbium	159-1				105		%
Terbium	159-2				111		%
Thallium	205-1	20.00	19.62	22.76	20.79	8.25	ppb
Thallium	203-1	19.69	18.95	22.13	20.25	8.21	ppb
Tin	118-1	50.57	51.39	56.18	52.71	5.75	ppb
Titanium	47-1	1956.94	1933.06	2201.38	2030.46	7.31	ppb
Uranium	238-1	50.75	50.19	57.24	52.73	7.43	ppb
Vanadium	51-1	19.32	19.16	22.13	20.21	8.28	ppb
Yttrium	89-1				105		%
Yttrium	89-2				109		%
Zinc	66-1	30.54	31.44	35.24	32.41	7.69	ppb
Zirconium	91-1	50.93	50.60	57.86	53.13	7.72	ppb
Zirconium	90-1	51.74	52.15	57.84	53.91	6.32	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV12	Instrumnet Name :	P8
Client Sample ID :	CCV12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:13:44	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	50215.83	51160.24	51876.42	51084.16	1.63	ppb
Antimony	121-1	478.80	493.26	483.05	485.04	1.53	ppb
Arsenic	75-1	470.69	454.90	459.17	461.59	1.77	ppb
Barium	135-1	2432.95	2433.14	2399.35	2421.81	0.80	ppb
Barium	137-1	2423.78	2460.27	2414.56	2432.87	0.99	ppb
Beryllium	9-1	493.90	489.81	489.36	491.02	0.51	ppb
Bismuth	209-1				109		%
Bismuth	209-2				108		%
Boron	11-1	439.90	514.30	545.81	500.00	10.88	ppb
Boron	10-1	442.48	509.59	544.55	498.87	10.40	ppb
Bromine	81-1						cps
Cadmium	106-1	478.51	479.25	469.37	475.71	1.16	ppb
Cadmium	108-1	465.38	481.36	460.87	469.20	2.30	ppb
Cadmium	111-1	469.66	473.66	476.41	473.24	0.72	ppb
Calcium	43-1	241186.64	243263.20	249375.91	244608.58	1.74	ppb
Calcium	44-1	244563.03	246230.58	249905.13	246899.58	1.11	ppb
Chromium	52-1	476.13	478.83	485.51	480.16	1.01	ppb
Cobalt	59-1	463.55	476.18	477.42	472.38	1.62	ppb
Copper	63-1	933.43	943.85	932.62	936.64	0.67	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				113		%
Holmium	165-2				115		%
Indium	115-1				113		%
Indium	115-2				113		%
Iron	54-1	121278.15	121675.64	124104.70	122352.83	1.25	ppb
Iron	56-1	120455.64	121696.33	123011.30	121721.09	1.05	ppb
Iron	57-1	119485.74	122153.08	122875.45	121504.76	1.47	ppb
Krypton	83-1						cps
Lead	206-1	463.26	463.61	468.54	465.14	0.63	ppb
Lead	207-1	464.76	472.98	469.74	469.16	0.88	ppb
Lead	208-1	471.31	476.25	476.35	474.63	0.61	ppb
Lithium	6-1				104		%
Magnesium	24-1	235859.91	237638.99	240889.96	238129.62	1.07	ppb
Manganese	55-1	939.90	940.32	959.98	946.73	1.21	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV12	Instrumnet Name :	P8
Client Sample ID :	CCV12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:13:44	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2352.40	2352.87	2353.01	2352.76	0.01	ppb
Molybdenum	95-1	2422.41	2386.30	2371.98	2393.57	1.09	ppb
Molybdenum	96-1	2390.92	2350.82	2315.12	2352.29	1.61	ppb
Molybdenum	97-1	2395.14	2385.73	2389.53	2390.13	0.20	ppb
Molybdenum	98-1	2364.66	2370.94	2396.00	2377.20	0.70	ppb
Neodymium	150-1						cps
Nickel	60-1	462.02	470.20	466.53	466.25	0.88	ppb
Phosphorus	31-1	9219.08	9572.30	9709.97	9500.45	2.67	ppb
Potassium	39-1	119963.01	120519.70	124286.35	121589.69	1.93	ppb
Rhodium	103-1				107		%
Rhodium	103-2				110		%
Scandium	45-1				114		%
Scandium	45-2				112		%
Selenium	82-1	463.82	459.01	454.50	459.11	1.02	ppb
Selenium	77-1	472.04	465.94	478.37	472.12	1.32	ppb
Selenium	78-1	447.95	443.02	431.62	440.86	1.90	ppb
Silicon	28-1	467.42	514.74	544.50	508.88	7.64	ppb
Silver	109-1	476.00	481.40	487.14	481.51	1.16	ppb
Silver	107-1	479.16	489.07	478.30	482.17	1.24	ppb
Sodium	23-1	232329.76	234706.96	229771.00	232269.24	1.06	ppb
Strontium	86-1	472.38	458.73	454.67	461.93	2.01	ppb
Strontium	88-1	481.93	471.67	472.99	475.53	1.17	ppb
Sulfur	34-1	3554.56	4315.63	4960.68	4276.96	16.46	ppb
Terbium	159-1				113		%
Terbium	159-2				115		%
Thallium	205-1	488.10	475.73	489.09	484.31	1.54	ppb
Thallium	203-1	475.46	464.37	467.75	469.20	1.21	ppb
Tin	118-1	480.90	479.82	477.25	479.32	0.39	ppb
Titanium	47-1	2353.62	2373.52	2428.50	2385.21	1.63	ppb
Uranium	238-1	495.28	496.69	488.05	493.34	0.94	ppb
Vanadium	51-1	470.25	476.54	474.52	473.77	0.68	ppb
Yttrium	89-1				114		%
Yttrium	89-2				114		%
Zinc	66-1	922.44	927.11	909.87	919.81	0.97	ppb
Zirconium	91-1	461.16	457.09	455.05	457.76	0.68	ppb
Zirconium	90-1	465.01	465.40	462.30	464.24	0.36	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCB12	Instrumnet Name :	P8
Client Sample ID :	CCB12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:16:32	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	14.11	10.38	7.32	10.60	32.10	ppb
Antimony	121-1	0.15	0.10	0.09	0.11	27.62	ppb
Arsenic	75-1	0.31	0.19	0.23	0.24	25.54	ppb
Barium	135-1	0.54	0.24	0.25	0.34	50.10	ppb
Barium	137-1	0.61	0.33	0.27	0.40	44.01	ppb
Beryllium	9-1	0.20	0.16	0.09	0.15	36.46	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Boron	11-1	72.26	64.99	61.04	66.09	8.61	ppb
Boron	10-1	72.29	66.72	59.96	66.32	9.31	ppb
Bromine	81-1						cps
Cadmium	106-1	0.71	1.80	0.71	1.07	58.55	ppb
Cadmium	108-1	0.04	0.16	0.04	0.08	93.46	ppb
Cadmium	111-1	0.23	0.23	0.16	0.21	19.69	ppb
Calcium	43-1	31.12	25.71	8.90	21.91	52.87	ppb
Calcium	44-1	123.48	116.23	94.76	111.49	13.39	ppb
Chromium	52-1	0.20	0.06	0.09	0.12	65.00	ppb
Cobalt	59-1	0.12	0.07	0.05	0.08	48.43	ppb
Copper	63-1	0.48	0.41	0.23	0.38	34.21	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				105		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	54-1	27.34	13.39	-4.89	11.94	135.31	ppb
Iron	56-1	53.56	30.86	11.89	32.10	64.98	ppb
Iron	57-1	15.20	16.28	1.61	11.03	74.12	ppb
Krypton	83-1						cps
Lead	206-1	0.21	0.12	0.11	0.15	36.00	ppb
Lead	207-1	0.13	0.12	0.13	0.12	5.57	ppb
Lead	208-1	0.15	0.10	0.10	0.11	27.05	ppb
Lithium	6-1				100		%
Magnesium	24-1	53.58	38.92	26.23	39.58	34.59	ppb
Manganese	55-1	0.40	0.28	0.14	0.27	48.48	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCB12	Instrumnet Name :	P8
Client Sample ID :	CCB12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:16:32	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.61	0.40	0.32	0.44	33.55	ppb
Molybdenum	95-1	0.61	0.48	0.25	0.44	41.12	ppb
Molybdenum	96-1	0.62	0.37	0.29	0.42	40.81	ppb
Molybdenum	97-1	0.68	0.36	0.30	0.45	46.16	ppb
Molybdenum	98-1	0.61	0.44	0.27	0.44	38.93	ppb
Neodymium	150-1						cps
Nickel	60-1	0.28	0.12	0.06	0.15	75.34	ppb
Phosphorus	31-1	-37.47	-39.11	-41.32	-39.30		ppb
Potassium	39-1	61.73	49.83	14.60	42.05	58.28	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	-0.33	-2.53	-0.26	-1.04		ppb
Selenium	77-1	1.40	1.94	1.06	1.47	30.06	ppb
Selenium	78-1	-7.02	-16.25	-16.32	-13.20		ppb
Silicon	28-1	22.55	18.34	7.12	16.00	49.83	ppb
Silver	109-1	0.15	0.14	0.11	0.13	14.10	ppb
Silver	107-1	0.16	0.13	0.13	0.14	11.47	ppb
Sodium	23-1	94.17	80.74	62.24	79.05	20.28	ppb
Strontium	86-1	0.13	0.12	0.13	0.13	4.37	ppb
Strontium	88-1	0.10	0.08	0.04	0.07	44.15	ppb
Sulfur	34-1	-3433.71	-3185.84	-4250.54	-3623.36		ppb
Terbium	159-1				107		%
Terbium	159-2				111		%
Thallium	205-1	0.32	0.23	0.22	0.25	21.75	ppb
Thallium	203-1	0.32	0.23	0.22	0.26	21.55	ppb
Tin	118-1	0.17	0.11	0.08	0.12	37.49	ppb
Titanium	47-1	0.93	0.38	0.52	0.61	46.60	ppb
Uranium	238-1	0.09	0.07	0.05	0.07	33.49	ppb
Vanadium	51-1	0.13	0.08	0.09	0.10	26.88	ppb
Yttrium	89-1				106		%
Yttrium	89-2				107		%
Zinc	66-1	0.11	0.09	0.13	0.11	19.80	ppb
Zirconium	91-1	0.05	0.08	0.03	0.05	47.91	ppb
Zirconium	90-1	0.10	0.08	0.04	0.08	39.92	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:19:23	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	22.37	21.33	20.76	21.49	3.80	ppb
Antimony	121-1	2.10	1.97	1.92	2.00	4.77	ppb
Arsenic	75-1	1.02	1.13	1.06	1.07	5.15	ppb
Barium	135-1	10.35	10.19	9.60	10.05	3.96	ppb
Barium	137-1	9.84	10.72	10.78	10.44	5.04	ppb
Beryllium	9-1	1.02	1.06	1.03	1.03	2.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Boron	11-1	53.84	55.86	57.06	55.58	2.93	ppb
Boron	10-1	51.64	55.95	54.74	54.11	4.11	ppb
Bromine	81-1						cps
Cadmium	106-1	-0.78	3.00	0.81	1.01	187.46	ppb
Cadmium	108-1	0.66	1.42	0.96	1.01	37.75	ppb
Cadmium	111-1	0.98	1.15	1.01	1.05	8.77	ppb
Calcium	43-1	511.99	508.26	528.05	516.10	2.04	ppb
Calcium	44-1	644.86	623.43	608.42	625.57	2.93	ppb
Chromium	52-1	2.18	1.95	1.86	2.00	8.14	ppb
Cobalt	59-1	1.09	1.03	1.01	1.04	3.95	ppb
Copper	63-1	2.31	2.25	2.22	2.26	2.09	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				108		%
Iron	54-1	69.07	43.21	38.14	50.14	33.09	ppb
Iron	56-1	77.04	57.87	53.71	62.87	19.79	ppb
Iron	57-1	47.84	51.95	43.23	47.67	9.15	ppb
Krypton	83-1						cps
Lead	206-1	0.99	1.11	1.01	1.04	6.34	ppb
Lead	207-1	1.07	1.02	1.08	1.05	3.10	ppb
Lead	208-1	0.98	1.02	0.99	1.00	2.40	ppb
Lithium	6-1				101		%
Magnesium	24-1	547.66	546.43	535.10	543.06	1.27	ppb
Manganese	55-1	1.24	1.17	1.05	1.16	8.31	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:19:23	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	4.85	4.88	5.27	5.00	4.60	ppb
Molybdenum	95-1	5.22	4.96	4.75	4.97	4.72	ppb
Molybdenum	96-1	5.25	5.23	4.90	5.12	3.85	ppb
Molybdenum	97-1	5.22	5.52	5.01	5.25	4.91	ppb
Molybdenum	98-1	5.25	5.10	5.31	5.22	2.15	ppb
Neodymium	150-1						cps
Nickel	60-1	1.13	1.30	1.03	1.15	11.75	ppb
Phosphorus	31-1	20.91	19.76	11.89	17.52	28.02	ppb
Potassium	39-1	550.65	507.80	491.44	516.63	5.92	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				104		%
Scandium	45-2				106		%
Selenium	82-1	4.01	6.22	3.60	4.61	30.59	ppb
Selenium	77-1	5.77	6.28	5.20	5.75	9.39	ppb
Selenium	78-1	-5.86	-19.24	-28.37	-17.82		ppb
Silicon	28-1	11.49	4.71	0.19	5.46	104.06	ppb
Silver	109-1	1.02	1.04	1.03	1.03	0.91	ppb
Silver	107-1	1.07	1.12	1.00	1.07	5.42	ppb
Sodium	23-1	555.91	551.05	532.51	546.49	2.26	ppb
Strontium	86-1	1.04	0.72	1.14	0.97	22.28	ppb
Strontium	88-1	1.04	1.05	0.99	1.03	3.08	ppb
Sulfur	34-1	-2704.32	-3324.09	-3592.95	-3207.12		ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	205-1	1.00	1.04	1.11	1.05	5.06	ppb
Thallium	203-1	1.04	1.01	1.07	1.04	2.64	ppb
Tin	118-1	5.30	4.96	5.23	5.17	3.50	ppb
Titanium	47-1	5.47	4.74	5.18	5.13	7.16	ppb
Uranium	238-1	0.97	0.95	0.93	0.95	2.29	ppb
Vanadium	51-1	5.31	5.36	5.19	5.29	1.71	ppb
Yttrium	89-1				107		%
Yttrium	89-2				107		%
Zinc	66-1	2.19	1.96	2.33	2.16	8.71	ppb
Zirconium	91-1	0.98	0.87	0.99	0.95	7.03	ppb
Zirconium	90-1	1.01	1.00	0.99	1.00	0.79	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WS	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:23:44	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	759.51	761.14	746.22	755.63	1.08	ppb
Antimony	121-1	16.92	17.01	16.92	16.95	0.30	ppb
Arsenic	75-1	33.59	35.75	34.40	34.58	3.16	ppb
Barium	135-1	2092.17	2147.70	2108.29	2116.05	1.35	ppb
Barium	137-1	2132.05	2139.06	2147.29	2139.47	0.36	ppb
Beryllium	9-1	3.95	3.94	3.67	3.85	4.16	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Boron	11-1	987.98	1222.36	1347.36	1185.90	15.38	ppb
Boron	10-1	984.22	1225.03	1348.97	1186.07	15.64	ppb
Bromine	81-1						cps
Cadmium	106-1	13.41	11.05	10.09	11.52	14.83	ppb
Cadmium	108-1	13.43	13.62	14.99	14.01	6.05	ppb
Cadmium	111-1	13.81	14.18	14.00	14.00	1.33	ppb
Calcium	43-1	-16.91	-13.05	-3.20	-11.05		ppb
Calcium	44-1	67.23	62.87	52.00	60.70	12.93	ppb
Chromium	52-1	31.06	31.34	30.22	30.87	1.89	ppb
Cobalt	59-1	-0.01	-0.03	-0.04	-0.02		ppb
Copper	63-1	261.75	261.26	254.57	259.19	1.55	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				106		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	54-1	492.15	489.17	467.52	482.94	2.78	ppb
Iron	56-1	458.19	465.97	445.03	456.40	2.32	ppb
Iron	57-1	469.27	457.82	446.83	457.97	2.45	ppb
Krypton	83-1						cps
Lead	206-1	41.22	40.96	41.57	41.25	0.74	ppb
Lead	207-1	42.36	40.34	42.06	41.59	2.62	ppb
Lead	208-1	41.63	40.47	40.75	40.95	1.48	ppb
Lithium	6-1				103		%
Magnesium	24-1	0.46	0.23	0.25	0.31	41.81	ppb
Manganese	55-1	599.37	615.10	604.72	606.40	1.32	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WS	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:23:44	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	47.74	50.07	48.21	48.68	2.53	ppb
Molybdenum	95-1	67.34	68.49	68.43	68.08	0.95	ppb
Molybdenum	96-1	64.43	66.13	65.59	65.38	1.32	ppb
Molybdenum	97-1	67.25	70.26	68.32	68.61	2.23	ppb
Molybdenum	98-1	68.41	69.82	69.67	69.30	1.12	ppb
Neodymium	150-1						cps
Nickel	60-1	389.93	386.84	382.23	386.33	1.00	ppb
Phosphorus	31-1	-41.31	-37.05	-42.11	-40.16		ppb
Potassium	39-1	3.57	-0.15	-20.43	-5.67		ppb
Rhodium	103-1				105		%
Rhodium	103-2				108		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	73.14	79.78	78.83	77.25	4.64	ppb
Selenium	77-1	77.72	82.35	73.01	77.69	6.01	ppb
Selenium	78-1	55.62	67.36	74.45	65.81	14.45	ppb
Silicon	28-1	117.90	113.91	111.26	114.36	2.92	ppb
Silver	109-1	218.86	222.04	221.64	220.85	0.79	ppb
Silver	107-1	219.80	223.46	219.42	220.89	1.01	ppb
Sodium	23-1	40.87	41.50	32.36	38.24	13.35	ppb
Strontium	86-1	0.04	0.13	0.15	0.11	55.09	ppb
Strontium	88-1	0.04	0.03	0.03	0.03	13.47	ppb
Sulfur	34-1	-2896.26	-2467.76	-3150.41	-2838.14		ppb
Terbium	159-1				108		%
Terbium	159-2				110		%
Thallium	205-1	7.74	7.73	7.75	7.74	0.12	ppb
Thallium	203-1	7.44	7.84	7.77	7.68	2.78	ppb
Tin	118-1	0.02	0.01	-0.01	0.01	144.50	ppb
Titanium	47-1	0.06	0.18	-0.12	0.04	367.03	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-1	344.21	341.72	334.88	340.27	1.42	ppb
Yttrium	89-1				105		%
Yttrium	89-2				107		%
Zinc	66-1	1687.28	1704.55	1623.97	1671.93	2.54	ppb
Zirconium	91-1	0.06	0.08	0.12	0.09	33.72	ppb
Zirconium	90-1	0.07	0.11	0.09	0.09	21.05	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:26:35	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	760.82	746.12	766.26	757.73	1.37	ppb
Antimony	121-1	17.40	16.96	17.23	17.20	1.28	ppb
Arsenic	75-1	35.33	34.47	34.05	34.62	1.89	ppb
Barium	135-1	2147.13	2068.83	2122.18	2112.71	1.89	ppb
Barium	137-1	2199.31	2127.32	2173.16	2166.60	1.68	ppb
Beryllium	9-1	3.84	3.65	3.89	3.79	3.40	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Boron	11-1	1200.96	1411.69	1497.76	1370.13	11.15	ppb
Boron	10-1	1182.10	1413.50	1506.79	1367.46	12.22	ppb
Bromine	81-1						cps
Cadmium	106-1	13.52	13.65	14.45	13.87	3.63	ppb
Cadmium	108-1	14.63	13.37	14.50	14.16	4.89	ppb
Cadmium	111-1	14.40	14.65	14.41	14.49	0.97	ppb
Calcium	43-1	-5.02	-12.18	4.11	-4.36		ppb
Calcium	44-1	63.37	66.14	70.80	66.77	5.63	ppb
Chromium	52-1	30.46	30.59	30.95	30.67	0.83	ppb
Cobalt	59-1	-0.03	-0.05	-0.02	-0.03		ppb
Copper	63-1	255.83	254.30	255.99	255.38	0.37	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				105		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				107		%
Iron	54-1	496.66	510.34	518.07	508.35	2.13	ppb
Iron	56-1	475.20	474.35	471.17	473.57	0.45	ppb
Iron	57-1	484.72	479.11	487.01	483.61	0.84	ppb
Krypton	83-1						cps
Lead	206-1	41.64	41.96	40.52	41.38	1.82	ppb
Lead	207-1	42.03	42.76	40.79	41.86	2.38	ppb
Lead	208-1	41.53	41.85	40.31	41.23	1.97	ppb
Lithium	6-1				103		%
Magnesium	24-1	0.40	0.59	0.61	0.53	21.39	ppb
Manganese	55-1	601.30	600.20	600.65	600.72	0.09	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:26:35	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	49.20	48.21	47.58	48.33	1.69	ppb
Molybdenum	95-1	69.32	67.83	67.49	68.21	1.42	ppb
Molybdenum	96-1	65.85	65.38	66.31	65.85	0.70	ppb
Molybdenum	97-1	69.39	67.37	68.98	68.58	1.56	ppb
Molybdenum	98-1	68.76	68.43	68.16	68.45	0.44	ppb
Neodymium	150-1						cps
Nickel	60-1	388.74	377.76	384.97	383.82	1.45	ppb
Phosphorus	31-1	-32.35	-31.38	-31.99	-31.90		ppb
Potassium	39-1	-18.06	-20.27	5.38	-10.98		ppb
Rhodium	103-1				105		%
Rhodium	103-2				107		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	82-1	79.98	76.50	75.70	77.39	2.94	ppb
Selenium	77-1	79.04	83.76	73.42	78.74	6.58	ppb
Selenium	78-1	78.00	56.47	74.19	69.55	16.51	ppb
Silicon	28-1	42.13	37.61	43.35	41.03	7.37	ppb
Silver	109-1	227.29	219.64	222.92	223.28	1.72	ppb
Silver	107-1	228.54	218.18	224.76	223.83	2.34	ppb
Sodium	23-1	30.33	32.40	31.68	31.47	3.34	ppb
Strontium	86-1	-0.04	0.11	0.16	0.08	134.23	ppb
Strontium	88-1	0.04	0.04	0.05	0.04	11.96	ppb
Sulfur	34-1	-3052.36	-2969.43	-2342.41	-2788.07		ppb
Terbium	159-1				105		%
Terbium	159-2				109		%
Thallium	205-1	7.97	7.80	7.77	7.84	1.35	ppb
Thallium	203-1	7.70	7.89	7.49	7.69	2.59	ppb
Tin	118-1	-0.01	-0.01	0.00	0.00		ppb
Titanium	47-1	0.13	0.17	-0.04	0.09	130.31	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-1	340.19	336.71	345.50	340.80	1.30	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-1	1630.79	1669.60	1655.37	1651.92	1.19	ppb
Zirconium	91-1	0.04	0.04	0.06	0.05	20.92	ppb
Zirconium	90-1	0.03	0.03	0.02	0.03	8.90	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE2	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:29:23	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	762.02	753.40	761.10	758.84	0.62	ppb
Antimony	121-1	17.35	16.92	17.25	17.17	1.29	ppb
Arsenic	75-1	33.82	34.16	33.73	33.90	0.68	ppb
Barium	135-1	2103.67	2077.81	2128.91	2103.46	1.21	ppb
Barium	137-1	2119.31	2129.18	2135.23	2127.91	0.38	ppb
Beryllium	9-1	3.93	3.93	3.92	3.93	0.07	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Boron	11-1	1255.97	1468.41	1602.42	1442.27	12.11	ppb
Boron	10-1	1242.96	1476.73	1585.17	1434.95	12.19	ppb
Bromine	81-1						cps
Cadmium	106-1	16.45	11.91	13.38	13.91	16.64	ppb
Cadmium	108-1	13.74	13.60	14.50	13.95	3.48	ppb
Cadmium	111-1	14.46	14.38	14.14	14.33	1.18	ppb
Calcium	43-1	-22.06	-4.20	1.39	-8.29		ppb
Calcium	44-1	64.61	63.56	63.14	63.77	1.19	ppb
Chromium	52-1	30.86	30.60	31.03	30.83	0.70	ppb
Cobalt	59-1	-0.03	-0.03	-0.03	-0.03		ppb
Copper	63-1	255.99	255.07	258.34	256.46	0.66	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				104		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				106		%
Iron	54-1	489.59	475.78	499.46	488.28	2.44	ppb
Iron	56-1	451.02	437.06	461.21	449.76	2.70	ppb
Iron	57-1	455.95	448.55	457.25	453.92	1.03	ppb
Krypton	83-1						cps
Lead	206-1	41.16	40.13	41.90	41.06	2.17	ppb
Lead	207-1	41.83	40.51	41.71	41.35	1.77	ppb
Lead	208-1	41.33	40.38	41.24	40.98	1.28	ppb
Lithium	6-1				103		%
Magnesium	24-1	0.59	0.30	0.57	0.49	34.04	ppb
Manganese	55-1	598.36	587.61	615.12	600.36	2.31	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE2	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:29:23	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	47.46	48.44	46.87	47.59	1.66	ppb
Molybdenum	95-1	66.67	69.46	66.38	67.50	2.52	ppb
Molybdenum	96-1	63.34	65.32	65.70	64.79	1.95	ppb
Molybdenum	97-1	67.09	68.33	67.44	67.62	0.94	ppb
Molybdenum	98-1	66.97	68.09	66.64	67.23	1.13	ppb
Neodymium	150-1						cps
Nickel	60-1	387.32	380.55	394.38	387.41	1.79	ppb
Phosphorus	31-1	-35.60	-42.14	-38.89	-38.88		ppb
Potassium	39-1	2.38	-1.90	-5.20	-1.57		ppb
Rhodium	103-1				104		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	76.67	75.36	73.56	75.20	2.07	ppb
Selenium	77-1	79.68	82.65	82.64	81.66	2.09	ppb
Selenium	78-1	62.09	70.56	60.09	64.25	8.65	ppb
Silicon	28-1	43.94	38.36	40.33	40.88	6.92	ppb
Silver	109-1	222.10	222.64	220.06	221.60	0.61	ppb
Silver	107-1	220.52	222.73	221.62	221.62	0.50	ppb
Sodium	23-1	30.06	31.38	29.42	30.29	3.29	ppb
Strontium	86-1	0.06	-0.07	0.08	0.02	422.10	ppb
Strontium	88-1	0.03	0.02	0.04	0.03	28.16	ppb
Sulfur	34-1	-2572.35	-2690.54	-2540.83	-2601.24		ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	205-1	7.73	8.00	7.79	7.84	1.76	ppb
Thallium	203-1	7.79	7.79	7.58	7.72	1.57	ppb
Tin	118-1	0.01	0.00	0.00	0.00	193.85	ppb
Titanium	47-1	-0.07	-0.05	-0.03	-0.05		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	435.45	ppb
Vanadium	51-1	345.44	349.11	345.40	346.65	0.61	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-1	1663.95	1666.35	1673.62	1667.97	0.30	ppb
Zirconium	91-1	0.03	0.05	0.03	0.04	25.01	ppb
Zirconium	90-1	0.02	0.03	0.04	0.03	36.14	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	PB126564BL	Instrumnet Name :	P8
Client Sample ID :	PB126564BL	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:32:14	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	0.19	0.20	0.14	0.18	19.38	ppb
Antimony	121-1	0.01	0.00	0.01	0.01	106.63	ppb
Arsenic	75-1	0.03	0.05	0.07	0.05	39.72	ppb
Barium	135-1	0.12	0.12	0.12	0.12	2.02	ppb
Barium	137-1	0.16	0.20	0.14	0.17	18.12	ppb
Beryllium	9-1	0.03	0.03	0.02	0.03	18.08	ppb
Bismuth	209-1				105		%
Bismuth	209-2				106		%
Boron	11-1	339.42	316.31	291.27	315.67	7.63	ppb
Boron	10-1	340.95	317.61	297.42	318.66	6.84	ppb
Bromine	81-1						cps
Cadmium	106-1	0.59	0.18	0.58	0.45	52.09	ppb
Cadmium	108-1	0.29	-0.09	0.04	0.08	242.06	ppb
Cadmium	111-1	0.03	0.02	0.07	0.04	68.60	ppb
Calcium	43-1	-21.97	-7.09	-12.56	-13.87		ppb
Calcium	44-1	58.68	45.29	57.91	53.96	13.94	ppb
Chromium	52-1	0.07	-0.05	0.10	0.04	207.37	ppb
Cobalt	59-1	-0.01	-0.01	0.00	-0.01		ppb
Copper	63-1	0.14	0.16	0.13	0.14	10.85	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				103		%
Holmium	165-2				108		%
Indium	115-1				103		%
Indium	115-2				106		%
Iron	54-1	0.18	-5.61	-3.43	-2.95		ppb
Iron	56-1	-8.07	-11.77	-1.29	-7.04		ppb
Iron	57-1	-7.29	-3.79	-6.97	-6.02		ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.05	0.03	0.04	22.97	ppb
Lead	207-1	0.02	0.02	0.03	0.02	21.98	ppb
Lead	208-1	0.01	0.00	0.01	0.01	58.59	ppb
Lithium	6-1				101		%
Magnesium	24-1	0.61	0.33	0.33	0.42	37.65	ppb
Manganese	55-1	0.18	0.11	0.17	0.16	23.49	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	PB126564BL	Instrumnet Name :	P8
Client Sample ID :	PB126564BL	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:32:14	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.02	0.00	-0.02	0.00		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	524.23	ppb
Molybdenum	96-1	-0.04	0.02	-0.01	-0.01		ppb
Molybdenum	97-1	-0.01	0.00	0.01	0.00	406.42	ppb
Molybdenum	98-1	0.02	0.02	0.00	0.01	96.09	ppb
Neodymium	150-1						cps
Nickel	60-1	0.14	0.14	0.08	0.12	29.56	ppb
Phosphorus	31-1	-34.65	-35.67	-36.49	-35.60		ppb
Potassium	39-1	-9.34	-25.13	-5.48	-13.32		ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	-0.94	-0.19	-1.71	-0.95		ppb
Selenium	77-1	-0.24	0.44	0.61	0.27	168.60	ppb
Selenium	78-1	15.27	-5.25	-11.79	-0.59		ppb
Silicon	28-1	-3.34	-10.50	-5.36	-6.40		ppb
Silver	109-1	0.02	0.02	0.02	0.02	20.64	ppb
Silver	107-1	0.03	0.02	0.03	0.02	7.03	ppb
Sodium	23-1	17.06	11.65	15.50	14.74	18.93	ppb
Strontium	86-1	0.06	0.05	0.00	0.04	78.31	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	121.92	ppb
Sulfur	34-1	-2738.15	-2991.35	-2425.76	-2718.42		ppb
Terbium	159-1				105		%
Terbium	159-2				108		%
Thallium	205-1	0.03	0.02	0.03	0.03	25.92	ppb
Thallium	203-1	0.04	0.04	0.03	0.04	8.66	ppb
Tin	118-1	0.01	0.00	0.03	0.01	136.37	ppb
Titanium	47-1	0.06	0.44	0.13	0.21	94.96	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	689.28	ppb
Vanadium	51-1	0.03	0.01	0.04	0.03	52.83	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-1	0.11	0.03	0.08	0.07	59.76	ppb
Zirconium	91-1	-0.02	0.01	-0.01	0.00		ppb
Zirconium	90-1	0.00	0.01	-0.01	0.00		ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	PB126564BS	Instrumnet Name :	P8
Client Sample ID :	PB126564BS	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:35:03	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	10171.77	10482.29	9901.12	10185.06	2.86	ppb
Antimony	121-1	507.62	504.29	508.86	506.92	0.47	ppb
Arsenic	75-1	489.86	499.03	490.54	493.14	1.04	ppb
Barium	135-1	2524.02	2556.56	2636.07	2572.22	2.24	ppb
Barium	137-1	2519.25	2506.82	2597.20	2541.09	1.93	ppb
Beryllium	9-1	497.50	501.39	498.50	499.13	0.40	ppb
Bismuth	209-1				109		%
Bismuth	209-2				111		%
Boron	11-1	544.79	599.56	638.98	594.44	7.96	ppb
Boron	10-1	538.83	607.52	640.96	595.77	8.74	ppb
Bromine	81-1						cps
Cadmium	106-1	507.34	501.34	521.24	509.97	2.00	ppb
Cadmium	108-1	498.79	499.61	498.48	498.96	0.12	ppb
Cadmium	111-1	509.36	510.86	518.00	512.74	0.90	ppb
Calcium	43-1	53941.52	54517.33	52598.46	53685.77	1.83	ppb
Calcium	44-1	53580.00	53891.75	52526.33	53332.69	1.34	ppb
Chromium	52-1	482.06	486.39	478.32	482.26	0.84	ppb
Cobalt	59-1	492.01	507.89	492.27	497.39	1.83	ppb
Copper	63-1	976.80	1001.44	1008.11	995.45	1.66	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				109		%
Holmium	165-2				114		%
Indium	115-1				108		%
Indium	115-2				110		%
Iron	54-1	25859.39	26482.56	25996.05	26112.67	1.25	ppb
Iron	56-1	25879.33	26086.59	25743.72	25903.21	0.67	ppb
Iron	57-1	25626.86	26660.29	25405.97	25897.71	2.59	ppb
Krypton	83-1						cps
Lead	206-1	473.60	492.53	476.42	480.85	2.12	ppb
Lead	207-1	479.20	496.53	480.71	485.48	1.98	ppb
Lead	208-1	482.74	500.24	481.84	488.27	2.13	ppb
Lithium	6-1				106		%
Magnesium	24-1	52192.35	53190.25	50186.06	51856.22	2.95	ppb
Manganese	55-1	957.64	975.74	965.31	966.23	0.94	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	PB126564BS	Instrumnet Name :	P8
Client Sample ID :	PB126564BS	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:35:03	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2418.12	2568.90	2435.93	2474.32	3.33	ppb
Molybdenum	95-1	2434.39	2569.82	2425.71	2476.64	3.26	ppb
Molybdenum	96-1	2435.57	2550.60	2431.04	2472.40	2.74	ppb
Molybdenum	97-1	2467.77	2542.90	2487.80	2499.49	1.56	ppb
Molybdenum	98-1	2475.57	2547.02	2449.92	2490.84	2.02	ppb
Neodymium	150-1						cps
Nickel	60-1	485.67	498.94	486.42	490.35	1.52	ppb
Phosphorus	31-1	9696.96	10138.25	9620.12	9818.44	2.85	ppb
Potassium	39-1	25479.86	25844.88	25325.90	25550.21	1.04	ppb
Rhodium	103-1				107		%
Rhodium	103-2				108		%
Scandium	45-1				110		%
Scandium	45-2				110		%
Selenium	82-1	488.50	499.76	488.29	492.18	1.33	ppb
Selenium	77-1	492.00	515.33	512.52	506.62	2.51	ppb
Selenium	78-1	477.94	491.03	484.67	484.55	1.35	ppb
Silicon	28-1	429.41	446.39	425.78	433.86	2.54	ppb
Silver	109-1	509.87	514.26	524.00	516.05	1.40	ppb
Silver	107-1	509.28	505.97	513.75	509.67	0.77	ppb
Sodium	23-1	50747.93	52679.50	50565.92	51331.11	2.28	ppb
Strontium	86-1	481.94	503.51	492.26	492.57	2.19	ppb
Strontium	88-1	488.92	506.27	496.21	497.13	1.75	ppb
Sulfur	34-1	7650.38	7943.74	6433.01	7342.37	10.91	ppb
Terbium	159-1				109		%
Terbium	159-2				115		%
Thallium	205-1	484.22	506.95	494.08	495.08	2.30	ppb
Thallium	203-1	478.83	492.44	484.13	485.13	1.41	ppb
Tin	118-1	514.33	507.51	511.62	511.15	0.67	ppb
Titanium	47-1	2432.87	2472.14	2452.58	2452.53	0.80	ppb
Uranium	238-1	486.51	503.51	487.79	492.60	1.92	ppb
Vanadium	51-1	482.05	490.05	484.54	485.55	0.84	ppb
Yttrium	89-1				109		%
Yttrium	89-2				111		%
Zinc	66-1	984.40	996.46	976.11	985.66	1.04	ppb
Zirconium	91-1	487.41	500.39	486.37	491.39	1.59	ppb
Zirconium	90-1	490.66	502.09	493.57	495.44	1.20	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV13	Instrumnet Name :	P8
Client Sample ID :	CCV13	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:37:53	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	50517.99	52622.53	53059.32	52066.61	2.61	ppb
Antimony	121-1	475.65	479.23	477.95	477.61	0.38	ppb
Arsenic	75-1	462.59	458.61	457.38	459.53	0.59	ppb
Barium	135-1	2333.34	2376.83	2330.97	2347.05	1.10	ppb
Barium	137-1	2365.52	2448.17	2354.80	2389.50	2.14	ppb
Beryllium	9-1	483.13	491.11	490.97	488.40	0.94	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Boron	11-1	596.38	662.47	693.13	650.66	7.60	ppb
Boron	10-1	595.60	667.49	690.10	651.06	7.58	ppb
Bromine	81-1						cps
Cadmium	106-1	461.59	471.25	456.53	463.12	1.62	ppb
Cadmium	108-1	464.33	469.75	466.47	466.85	0.58	ppb
Cadmium	111-1	465.77	470.50	456.24	464.17	1.57	ppb
Calcium	43-1	243006.66	246551.08	250758.01	246771.92	1.57	ppb
Calcium	44-1	248475.38	248943.29	247520.60	248313.09	0.29	ppb
Chromium	52-1	464.69	474.05	484.29	474.34	2.07	ppb
Cobalt	59-1	464.74	471.58	480.00	472.10	1.62	ppb
Copper	63-1	912.38	942.18	936.66	930.40	1.70	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				111		%
Holmium	165-2				116		%
Indium	115-1				110		%
Indium	115-2				112		%
Iron	54-1	119133.01	120670.11	122190.94	120664.69	1.27	ppb
Iron	56-1	119792.13	122046.63	121855.53	121231.43	1.03	ppb
Iron	57-1	119593.25	121764.66	121560.99	120972.96	0.99	ppb
Krypton	83-1						cps
Lead	206-1	477.51	472.35	463.75	471.20	1.47	ppb
Lead	207-1	476.25	475.52	465.41	472.39	1.28	ppb
Lead	208-1	486.33	476.67	473.16	478.72	1.42	ppb
Lithium	6-1				108		%
Magnesium	24-1	241454.53	243436.22	247319.81	244070.19	1.22	ppb
Manganese	55-1	922.94	946.41	950.24	939.87	1.57	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV13	Instrumnet Name :	P8
Client Sample ID :	CCV13	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:37:53	DataFile Name :	025CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	2295.42	2382.19	2343.26	2340.29	1.86	ppb
Molybdenum	95-1	2352.50	2361.87	2371.53	2361.97	0.40	ppb
Molybdenum	96-1	2372.78	2316.66	2341.98	2343.81	1.20	ppb
Molybdenum	97-1	2312.36	2376.76	2383.80	2357.64	1.67	ppb
Molybdenum	98-1	2323.90	2341.46	2352.58	2339.31	0.62	ppb
Neodymium	150-1						cps
Nickel	60-1	458.53	466.68	466.12	463.78	0.98	ppb
Phosphorus	31-1	9252.71	9623.75	9459.86	9445.44	1.97	ppb
Potassium	39-1	121829.13	124450.45	123648.49	123309.36	1.09	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				112		%
Scandium	45-2				111		%
Selenium	82-1	462.08	460.11	452.51	458.23	1.10	ppb
Selenium	77-1	456.70	464.33	445.38	455.47	2.09	ppb
Selenium	78-1	439.39	431.83	430.84	434.02	1.08	ppb
Silicon	28-1	486.79	545.52	562.16	531.49	7.45	ppb
Silver	109-1	471.88	478.29	471.64	473.93	0.80	ppb
Silver	107-1	463.50	482.06	468.94	471.50	2.02	ppb
Sodium	23-1	236456.73	237447.06	243163.14	239022.31	1.51	ppb
Strontium	86-1	464.38	457.19	456.64	459.40	0.94	ppb
Strontium	88-1	467.65	474.14	474.79	472.19	0.84	ppb
Sulfur	34-1	5746.46	6521.00	6251.46	6172.97	6.37	ppb
Terbium	159-1				113		%
Terbium	159-2				116		%
Thallium	205-1	493.71	495.54	484.18	491.14	1.24	ppb
Thallium	203-1	479.72	477.93	469.72	475.79	1.12	ppb
Tin	118-1	474.01	472.31	464.99	470.44	1.02	ppb
Titanium	47-1	2359.13	2365.98	2341.15	2355.42	0.54	ppb
Uranium	238-1	499.61	499.60	488.88	496.03	1.25	ppb
Vanadium	51-1	463.36	465.50	468.87	465.91	0.60	ppb
Yttrium	89-1				113		%
Yttrium	89-2				112		%
Zinc	66-1	922.60	932.51	921.94	925.68	0.64	ppb
Zirconium	91-1	453.09	458.15	451.68	454.31	0.75	ppb
Zirconium	90-1	461.31	464.45	463.31	463.03	0.34	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCB13	Instrumnet Name :	P8
Client Sample ID :	CCB13	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:41:46	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-1	0.92	0.97	1.00	0.96	4.30	ppb
Antimony	121-1	0.02	0.05	0.04	0.03	46.35	ppb
Arsenic	75-1	0.04	0.05	0.03	0.04	17.77	ppb
Barium	135-1	0.03	0.05	0.02	0.03	49.49	ppb
Barium	137-1	0.03	0.07	0.05	0.05	47.26	ppb
Beryllium	9-1	0.10	0.05	0.09	0.08	34.33	ppb
Bismuth	209-1				105		%
Bismuth	209-2				107		%
Boron	11-1	135.60	131.28	127.35	131.41	3.14	ppb
Boron	10-1	135.62	134.49	122.32	130.81	5.64	ppb
Bromine	81-1						cps
Cadmium	106-1	0.39	0.27	0.87	0.51	62.41	ppb
Cadmium	108-1	-0.09	0.04	-0.03	-0.03		ppb
Cadmium	111-1	0.09	0.07	0.12	0.09	27.10	ppb
Calcium	43-1	-16.46	-8.29	-15.07	-13.27		ppb
Calcium	44-1	61.23	63.49	54.45	59.72	7.88	ppb
Chromium	52-1	-0.02	0.15	0.04	0.06	147.93	ppb
Cobalt	59-1	0.00	-0.02	-0.02	-0.01		ppb
Copper	63-1	0.23	0.19	0.18	0.20	14.36	ppb
Dysprosium	156-1						cps
Erbium	164-1						cps
Gadolinium	160-1						cps
Holmium	165-1				104		%
Holmium	165-2				108		%
Indium	115-1				103		%
Indium	115-2				107		%
Iron	54-1	20.46	21.01	4.19	15.22	62.77	ppb
Iron	56-1	4.93	3.58	8.01	5.50	41.30	ppb
Iron	57-1	-2.70	-6.76	-16.35	-8.60		ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.06	0.07	0.06	34.46	ppb
Lead	207-1	0.03	0.07	0.08	0.06	36.93	ppb
Lead	208-1	0.04	0.06	0.06	0.05	27.45	ppb
Lithium	6-1				101		%
Magnesium	24-1	2.99	3.72	4.36	3.69	18.51	ppb
Manganese	55-1	0.26	0.12	0.14	0.17	44.61	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCB13	Instrumnet Name :	P8
Client Sample ID :	CCB13	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:41:46	DataFile Name :	026CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Molybdenum	94-1	0.04	0.13	0.05	0.07	63.63	ppb
Molybdenum	95-1	0.08	0.15	0.11	0.11	33.51	ppb
Molybdenum	96-1	0.09	0.04	0.04	0.06	43.82	ppb
Molybdenum	97-1	0.12	0.07	0.03	0.07	62.72	ppb
Molybdenum	98-1	0.06	0.09	0.07	0.07	18.66	ppb
Neodymium	150-1						cps
Nickel	60-1	-0.01	0.08	0.00	0.02	220.19	ppb
Phosphorus	31-1	-24.79	-26.37	-30.62	-27.26		ppb
Potassium	39-1	36.77	32.26	13.76	27.60	44.17	ppb
Rhodium	103-1				104		%
Rhodium	103-2				106		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	-2.45	-2.46	0.37	-1.52		ppb
Selenium	77-1	0.23	-0.42	0.42	0.08	568.95	ppb
Selenium	78-1	-14.26	-4.73	-11.29	-10.09		ppb
Silicon	28-1	14.40	11.77	0.40	8.86	84.06	ppb
Silver	109-1	0.03	0.03	0.03	0.03	5.56	ppb
Silver	107-1	0.03	0.02	0.02	0.02	17.45	ppb
Sodium	23-1	33.22	31.36	24.21	29.59	16.07	ppb
Strontium	86-1	0.04	-0.04	0.14	0.04	202.52	ppb
Strontium	88-1	0.00	0.02	0.01	0.01	91.80	ppb
Sulfur	34-1	-1655.89	-1495.80	-2135.85	-1762.51		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	205-1	0.23	0.20	0.17	0.20	15.14	ppb
Thallium	203-1	0.20	0.21	0.21	0.21	3.75	ppb
Tin	118-1	0.01	0.00	0.02	0.01	74.27	ppb
Titanium	47-1	0.05	0.00	-0.14	-0.03		ppb
Uranium	238-1	0.00	0.00	0.01	0.01	38.11	ppb
Vanadium	51-1	0.01	0.00	0.00	0.00	146.95	ppb
Yttrium	89-1				104		%
Yttrium	89-2				105		%
Zinc	66-1	0.04	0.16	-0.05	0.05	206.40	ppb
Zirconium	91-1	0.05	0.04	0.02	0.04	46.36	ppb
Zirconium	90-1	0.01	0.01	0.00	0.01	59.16	ppb

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:21:26	DataFile Name :	005CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	5885	6126	6051	6021	2.06	cps
Antimony	121-1	50	8	50	36	66.62	cps
Arsenic	75-1	67	43	33	48	35.81	cps
Barium	135-1	33	75	42	50	44.10	cps
Barium	137-1	25	100	50	58	65.47	cps
Beryllium	9-1	24	10	26	20	43.58	cps
Bismuth	209-1	1994482	1994872	1941371	1976908	1.56	cps
Bismuth	209-2	1250984	1255061	1262133	1256059	0.45	cps
Boron	11-1	184	216	178	193	10.60	cps
Boron	10-1	54	58	56	56	3.57	cps
Bromine	81-1	2617	3417	3217	3084	13.50	cps
Cadmium	106-1	1025	808	1042	958	13.58	cps
Cadmium	108-1	8	4	4	6	43.22	cps
Cadmium	111-1	716	571	730	673	13.09	cps
Calcium	43-1	658	583	583	608	7.12	cps
Calcium	44-1	42121	42046	41703	41957	0.53	cps
Chromium	52-1	12981	12214	12673	12623	3.06	cps
Cobalt	59-1	667	608	658	644	4.90	cps
Copper	63-1	1083	1058	1117	1086	2.70	cps
Dysprosium	156-1	33	50	33	39	24.75	cps
Erbium	164-1	17	8	17	14	34.67	cps
Gadolinium	160-1	33	25	42	33	25.01	cps
Holmium	165-1	3494062	3512762	3521588	3509470	0.40	cps
Holmium	165-2	1867160	1914467	1868445	1883357	1.43	cps
Indium	115-1	3595978	3683572	3588598	3622716	1.46	cps
Indium	115-2	701032	704183	697707	700974	0.46	cps
Iron	54-1	250712	251241	255513	252489	1.04	cps
Iron	56-1	2803850	2854214	2818496	2825520	0.92	cps
Iron	57-1	42531	43667	42481	42893	1.56	cps
Krypton	83-1	880	1023	910	938	8.06	cps
Lead	206-1	83	67	72	74	11.46	cps
Lead	207-1	67	83	61	70	16.43	cps
Lead	208-1	394	383	372	383	2.90	cps
Lithium	6-1	688739	697004	700085	695276	0.84	cps
Magnesium	24-1	9804	9220	9620	9548	3.13	cps
Manganese	55-1	19330	19314	18070	18905	3.82	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:21:26	DataFile Name :	005CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	92	92	175	119	40.28	cps
Molybdenum	95-1	50	42	50	47	10.18	cps
Molybdenum	96-1	117	167	142	142	17.65	cps
Molybdenum	97-1	25	50	17	31	56.77	cps
Molybdenum	98-1	58	50	42	50	16.66	cps
Neodymium	150-1	0	40	7	16	137.75	cps
Nickel	60-1	408	383	233	342	27.70	cps
Phosphorus	31-1	31426	31201	31376	31334	0.38	cps
Potassium	39-1	4426333	4432812	4377058	4412067	0.69	cps
Rhodium	103-1	3573555	3530686	3638672	3580971	1.52	cps
Rhodium	103-2	1847242	1853753	1838375	1846457	0.42	cps
Scandium	45-1	2417065	2394274	2476677	2429339	1.75	cps
Scandium	45-2	100710	101462	100710	100961	0.43	cps
Selenium	82-1	146	-52	15	36	277.16	cps
Selenium	77-1	33	50	25	36	35.25	cps
Selenium	78-1	66290	67244	66407	66647	0.78	cps
Silicon	28-1	615436	615481	619029	616649	0.33	cps
Silver	109-1	25	8	8	14	69.31	cps
Silver	107-1	58	8	25	31	83.32	cps
Sodium	23-1	807721	809367	808861	808650	0.10	cps
Strontium	86-1	1400	1392	1475	1422	3.23	cps
Strontium	88-1	92	125	83	100	22.04	cps
Sulfur	34-1	434721	435509	432123	434118	0.41	cps
Terbium	159-1	3674837	3698262	3700488	3691196	0.38	cps
Terbium	159-2	1874622	1858186	1858870	1863893	0.50	cps
Thallium	205-1	42	83	25	50	60.09	cps
Thallium	203-1	17	17	8	14	34.67	cps
Tin	118-1	158	267	208	211	25.68	cps
Titanium	47-1	925	875	942	914	3.80	cps
Uranium	238-1	8	17	17	14	34.67	cps
Vanadium	51-1	592	567	558	572	3.03	cps
Yttrium	89-1	5006878	5053490	5035968	5032112	0.47	cps
Yttrium	89-2	708132	701829	704724	704895	0.45	cps
Zinc	66-1	500	575	675	583	15.05	cps
Zirconium	91-1	33	58	50	47	26.97	cps
Zirconium	90-1	225	300	225	250	17.32	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:24:27	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	97267	94876	96603	96249	1.28	cps
Antimony	121-1	7085	7235	6919	7080	2.24	cps
Arsenic	75-1	1137	1200	1103	1147	4.28	cps
Barium	135-1	7494	7319	7569	7461	1.72	cps
Barium	137-1	13165	12623	12606	12798	2.48	cps
Beryllium	9-1	640	504	560	568	12.03	cps
Bismuth	209-1	2073656	2032895	2060745	2055765	1.01	cps
Bismuth	209-2	1285597	1308997	1315223	1303272	1.20	cps
Boron	11-1	4076	4652	5092	4606	11.06	cps
Boron	10-1	820	928	1116	955	15.69	cps
Bromine	81-1	3392	2900	3367	3220	8.60	cps
Cadmium	106-1	1058	1158	1050	1089	5.54	cps
Cadmium	108-1	54	104	75	78	32.29	cps
Cadmium	111-1	1570	1592	1478	1547	3.89	cps
Calcium	43-1	5651	5768	5184	5535	5.58	cps
Calcium	44-1	123704	121344	123612	122887	1.09	cps
Chromium	52-1	26617	25365	25431	25804	2.73	cps
Cobalt	59-1	8553	7852	8161	8189	4.29	cps
Copper	63-1	9804	9729	9945	9826	1.12	cps
Dysprosium	156-1	33	17	50	33	50.00	cps
Erbium	164-1	25	17	25	22	21.64	cps
Gadolinium	160-1	33	17	42	31	41.66	cps
Holmium	165-1	3622266	3537163	3539979	3566469	1.36	cps
Holmium	165-2	1904090	1934500	1953001	1930530	1.28	cps
Indium	115-1	3713401	3696899	3725169	3711823	0.38	cps
Indium	115-2	726953	727207	724195	726119	0.23	cps
Iron	54-1	274789	275663	273472	274641	0.40	cps
Iron	56-1	3267167	3133478	3150551	3183732	2.29	cps
Iron	57-1	52280	52229	54329	52946	2.26	cps
Krypton	83-1	1060	987	960	1002	5.17	cps
Lead	206-1	1733	1761	1678	1724	2.46	cps
Lead	207-1	1617	1411	1483	1504	6.94	cps
Lead	208-1	7073	6995	7012	7027	0.58	cps
Lithium	6-1	718659	711330	721950	717313	0.76	cps
Magnesium	24-1	1662817	1695422	1712570	1690270	1.50	cps
Manganese	55-1	27986	26993	27343	27441	1.84	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:24:27	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7661	7119	7727	7502	4.45	cps
Molybdenum	95-1	9345	9253	9170	9256	0.95	cps
Molybdenum	96-1	10813	10746	11222	10927	2.36	cps
Molybdenum	97-1	5535	5268	5376	5393	2.49	cps
Molybdenum	98-1	14650	14450	14733	14611	1.00	cps
Neodymium	150-1	0	33	7	13	132.27	cps
Nickel	60-1	2100	2342	2259	2234	5.50	cps
Phosphorus	31-1	45004	44669	42780	44151	2.72	cps
Potassium	39-1	7073375	6971631	7039182	7028062	0.74	cps
Rhodium	103-1	3680011	3665636	3649538	3665062	0.42	cps
Rhodium	103-2	1941776	1930695	1891805	1921425	1.37	cps
Scandium	45-1	2480784	2480464	2511510	2490920	0.72	cps
Scandium	45-2	104054	104120	104436	104203	0.20	cps
Selenium	82-1	247	331	322	300	15.22	cps
Selenium	77-1	258	283	283	275	5.25	cps
Selenium	78-1	67772	65754	65561	66362	1.85	cps
Silicon	28-1	644495	639173	635033	639567	0.74	cps
Silver	109-1	4768	4743	4668	4726	1.10	cps
Silver	107-1	4884	4876	4909	4890	0.35	cps
Sodium	23-1	3047416	3095905	3076042	3073121	0.79	cps
Strontium	86-1	2584	2584	2859	2675	5.94	cps
Strontium	88-1	9620	9520	9679	9606	0.83	cps
Sulfur	34-1	447050	442853	444827	444910	0.47	cps
Terbium	159-1	3773039	3737885	3795153	3768693	0.77	cps
Terbium	159-2	1962233	1930724	1933246	1942068	0.90	cps
Thallium	205-1	5418	4868	5385	5223	5.91	cps
Thallium	203-1	2309	2075	2184	2189	5.33	cps
Tin	118-1	13482	13732	14166	13793	2.51	cps
Titanium	47-1	3484	3359	3492	3445	2.17	cps
Uranium	238-1	5960	5651	5943	5852	2.97	cps
Vanadium	51-1	39162	40634	38227	39341	3.08	cps
Yttrium	89-1	5180813	5198274	5194056	5191048	0.18	cps
Yttrium	89-2	726262	726852	723825	725646	0.22	cps
Zinc	66-1	2967	2767	2709	2814	4.82	cps
Zirconium	91-1	1308	1367	1400	1358	3.42	cps
Zirconium	90-1	5885	5443	5585	5637	4.00	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:27:25	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	4719560	4654432	4707742	4693911	0.74	cps
Antimony	121-1	200174	200825	198188	199729	0.69	cps
Arsenic	75-1	57815	58163	58072	58017	0.31	cps
Barium	135-1	202305	201745	203190	202413	0.36	cps
Barium	137-1	348132	350407	346978	348506	0.50	cps
Beryllium	9-1	29756	30020	29810	29862	0.47	cps
Bismuth	209-1	2029122	2085345	2029604	2048024	1.58	cps
Bismuth	209-2	1317512	1315151	1318095	1316919	0.12	cps
Boron	11-1	10146	10910	11989	11015	8.41	cps
Boron	10-1	2076	2284	2398	2252	7.25	cps
Bromine	81-1	2934	2967	3100	3000	2.94	cps
Cadmium	106-1	5660	5693	5685	5679	0.31	cps
Cadmium	108-1	3396	3263	3334	3331	2.00	cps
Cadmium	111-1	46599	45980	47229	46603	1.34	cps
Calcium	43-1	52772	53559	54613	53648	1.72	cps
Calcium	44-1	931429	921973	919887	924430	0.67	cps
Chromium	52-1	364905	361133	361059	362366	0.61	cps
Cobalt	59-1	413842	408622	414656	412373	0.79	cps
Copper	63-1	448912	446682	449920	448505	0.37	cps
Dysprosium	156-1	33	8	17	19	65.47	cps
Erbium	164-1	0	8	8	6	86.60	cps
Gadolinium	160-1	42	42	42	42	0.00	cps
Holmium	165-1	3722548	3654359	3665744	3680884	0.99	cps
Holmium	165-2	1959925	1948481	1942231	1950212	0.46	cps
Indium	115-1	3737523	3811302	3737450	3762091	1.13	cps
Indium	115-2	718110	732806	726673	725863	1.02	cps
Iron	54-1	1483951	1451664	1468525	1468046	1.10	cps
Iron	56-1	22205583	22026917	22021457	22084652	0.47	cps
Iron	57-1	537490	534197	528186	533291	0.88	cps
Krypton	83-1	1117	980	970	1022	8.02	cps
Lead	206-1	96187	94833	94032	95017	1.15	cps
Lead	207-1	82589	83965	83953	83503	0.95	cps
Lead	208-1	375218	380060	377241	377506	0.64	cps
Lithium	6-1	721372	721834	721055	721420	0.05	cps
Magnesium	24-1	17676229	17617120	17495939	17596429	0.52	cps
Manganese	55-1	963162	938306	944173	948547	1.37	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:27:25	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	391118	390688	392013	391273	0.17	cps
Molybdenum	95-1	484112	479583	486454	483383	0.72	cps
Molybdenum	96-1	533471	540452	534216	536047	0.72	cps
Molybdenum	97-1	300291	300442	297741	299491	0.51	cps
Molybdenum	98-1	769385	771654	785609	775549	1.13	cps
Neodymium	150-1	13	0	7	7	99.98	cps
Nickel	60-1	94102	92484	94714	93767	1.23	cps
Phosphorus	31-1	286325	286510	282729	285188	0.75	cps
Potassium	39-1	18943011	18834058	18968340	18915137	0.38	cps
Rhodium	103-1	3678353	3647091	3716216	3680553	0.94	cps
Rhodium	103-2	1894241	1930469	1875723	1900144	1.47	cps
Scandium	45-1	2565507	2533608	2491613	2530243	1.46	cps
Scandium	45-2	104825	104114	104973	104637	0.44	cps
Selenium	82-1	2962	3087	3112	3054	2.64	cps
Selenium	77-1	2250	2434	2350	2345	3.92	cps
Selenium	78-1	73693	73869	73099	73554	0.55	cps
Silicon	28-1	770129	777871	783830	777277	0.88	cps
Silver	109-1	224116	222671	228287	225025	1.30	cps
Silver	107-1	238530	234149	237954	236878	1.01	cps
Sodium	23-1	25307595	25607406	25505678	25473560	0.60	cps
Strontium	86-1	62707	61645	63319	62557	1.35	cps
Strontium	88-1	526845	521799	534021	527555	1.16	cps
Sulfur	34-1	463442	462204	461468	462371	0.22	cps
Terbium	159-1	3864462	3908242	3821062	3864589	1.13	cps
Terbium	159-2	1940353	1971573	2005693	1972540	1.66	cps
Thallium	205-1	277396	279216	274333	276982	0.89	cps
Thallium	203-1	118564	117059	117076	117567	0.74	cps
Tin	118-1	145452	144466	142595	144171	1.01	cps
Titanium	47-1	139810	136303	138843	138319	1.31	cps
Uranium	238-1	325708	325868	320305	323960	0.98	cps
Vanadium	51-1	400064	392156	392501	394907	1.13	cps
Yttrium	89-1	5242048	5166330	5304446	5237608	1.32	cps
Yttrium	89-2	721369	727989	721592	723650	0.52	cps
Zinc	66-1	115905	117333	117879	117039	0.87	cps
Zirconium	91-1	71232	70864	73913	72003	2.31	cps
Zirconium	90-1	329411	322212	330017	327213	1.33	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:30:25	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	11751092	11688030	11803369	11747497	0.49	cps
Antimony	121-1	503314	504214	501773	503100	0.25	cps
Arsenic	75-1	146957	145434	147021	146471	0.61	cps
Barium	135-1	513281	508559	509527	510456	0.49	cps
Barium	137-1	874124	856726	871857	867569	1.09	cps
Beryllium	9-1	73917	74819	73985	74240	0.68	cps
Bismuth	209-1	2001711	1966882	1977060	1981885	0.90	cps
Bismuth	209-2	1280038	1290128	1275980	1282049	0.57	cps
Boron	11-1	25737	28037	29123	27632	6.26	cps
Boron	10-1	4986	5498	6112	5532	10.19	cps
Bromine	81-1	3159	3192	2975	3109	3.75	cps
Cadmium	106-1	12998	13040	12448	12829	2.58	cps
Cadmium	108-1	8507	8348	7957	8271	3.43	cps
Cadmium	111-1	114308	114231	114917	114485	0.33	cps
Calcium	43-1	135359	132624	134760	134248	1.07	cps
Calcium	44-1	2185979	2170837	2186534	2181116	0.41	cps
Chromium	52-1	878842	889949	875361	881384	0.86	cps
Cobalt	59-1	1030052	1026464	1012600	1023039	0.90	cps
Copper	63-1	1113094	1110591	1125675	1116453	0.72	cps
Dysprosium	156-1	83	83	75	81	5.98	cps
Erbium	164-1	17	17	8	14	34.67	cps
Gadolinium	160-1	58	33	33	42	34.64	cps
Holmium	165-1	3539378	3555227	3517656	3537420	0.53	cps
Holmium	165-2	1914259	1926407	1932205	1924290	0.48	cps
Indium	115-1	3698104	3625161	3605855	3643040	1.34	cps
Indium	115-2	705775	721332	706016	711041	1.25	cps
Iron	54-1	3112830	3141510	3108612	3120984	0.57	cps
Iron	56-1	51387006	50659866	50585396	50877423	0.87	cps
Iron	57-1	1269543	1252312	1268614	1263490	0.77	cps
Krypton	83-1	1013	877	987	959	7.56	cps
Lead	206-1	236099	233432	235759	235097	0.62	cps
Lead	207-1	207397	204883	204948	205743	0.70	cps
Lead	208-1	944538	939329	942947	942271	0.28	cps
Lithium	6-1	705828	704782	712143	707584	0.56	cps
Magnesium	24-1	44074413	44016285	44314091	44134930	0.36	cps
Manganese	55-1	2303170	2331939	2310712	2315274	0.64	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:30:25	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	993849	968019	980078	980649	1.32	cps
Molybdenum	95-1	1236283	1195809	1238401	1223498	1.96	cps
Molybdenum	96-1	1348675	1309483	1336994	1331717	1.51	cps
Molybdenum	97-1	748927	742000	758253	749727	1.09	cps
Molybdenum	98-1	1939694	1912514	1943079	1931762	0.87	cps
Neodymium	150-1	13	13	47	24	78.75	cps
Nickel	60-1	233645	231099	232597	232447	0.55	cps
Phosphorus	31-1	674532	670334	669386	671417	0.41	cps
Potassium	39-1	40386282	39837620	39721237	39981713	0.89	cps
Rhodium	103-1	3568081	3585612	3601646	3585113	0.47	cps
Rhodium	103-2	1890698	1887364	1855286	1877783	1.04	cps
Scandium	45-1	2425000	2426227	2441017	2430748	0.37	cps
Scandium	45-2	103402	103717	103556	103558	0.15	cps
Selenium	82-1	7909	7962	7988	7953	0.50	cps
Selenium	77-1	6076	5568	6001	5882	4.67	cps
Selenium	78-1	85149	84738	85410	85099	0.40	cps
Silicon	28-1	964107	884643	922433	923728	4.30	cps
Silver	109-1	560988	560255	560699	560647	0.07	cps
Silver	107-1	596713	591800	593768	594094	0.42	cps
Sodium	23-1	63966368	62003822	63113539	63027910	1.56	cps
Strontium	86-1	154825	154076	153099	154000	0.56	cps
Strontium	88-1	1332408	1287507	1323580	1314498	1.81	cps
Sulfur	34-1	476254	476412	477579	476748	0.15	cps
Terbium	159-1	3755738	3735660	3748235	3746544	0.27	cps
Terbium	159-2	1924919	1960883	1931652	1939151	0.99	cps
Thallium	205-1	693830	700883	691081	695265	0.73	cps
Thallium	203-1	295207	291511	296046	294255	0.82	cps
Tin	118-1	356166	356616	353123	355302	0.53	cps
Titanium	47-1	351096	346505	349921	349174	0.68	cps
Uranium	238-1	819260	814697	811819	815258	0.46	cps
Vanadium	51-1	991163	1000330	984740	992078	0.79	cps
Yttrium	89-1	5069958	4917561	5129456	5038992	2.17	cps
Yttrium	89-2	717653	723616	708884	716717	1.03	cps
Zinc	66-1	289848	290587	286733	289056	0.71	cps
Zirconium	91-1	176971	175362	177598	176644	0.65	cps
Zirconium	90-1	801188	782942	798336	794155	1.24	cps

LB Number : LB107703 Operator : ICPMS
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2020-02-07 15:33:23 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	25557508	24951608	25158601	25222572	1.22	cps
Antimony	121-1	1076509	1073822	1064093	1071474	0.61	cps
Arsenic	75-1	315224	313928	311594	313582	0.59	cps
Barium	135-1	1091932	1098478	1083601	1091337	0.68	cps
Barium	137-1	1850460	1869709	1844928	1855032	0.70	cps
Beryllium	9-1	163035	160177	157143	160118	1.84	cps
Bismuth	209-1	2066162	2094573	2111085	2090607	1.09	cps
Bismuth	209-2	1347232	1346386	1325888	1339835	0.90	cps
Boron	11-1	53321	59285	63481	58696	8.70	cps
Boron	10-1	10812	12141	12877	11943	8.76	cps
Bromine	81-1	2967	3042	3125	3045	2.60	cps
Cadmium	106-1	26584	25750	26000	26111	1.64	cps
Cadmium	108-1	17219	17995	17787	17667	2.27	cps
Cadmium	111-1	247088	245553	247565	246736	0.43	cps
Calcium	43-1	285427	287592	284538	285853	0.55	cps
Calcium	44-1	4554051	4632878	4496834	4561254	1.50	cps
Chromium	52-1	1887003	1886521	1857020	1876848	0.92	cps
Cobalt	59-1	2138471	2103153	2165947	2135857	1.47	cps
Copper	63-1	2407817	2391930	2346626	2382124	1.33	cps
Dysprosium	156-1	42	42	8	31	62.99	cps
Erbium	164-1	33	17	8	19	65.47	cps
Gadolinium	160-1	33	42	50	42	20.00	cps
Holmium	165-1	3777103	3753251	3763125	3764493	0.32	cps
Holmium	165-2	2056858	2036092	2033906	2042285	0.62	cps
Indium	115-1	3800124	3789612	3831009	3806915	0.57	cps
Indium	115-2	741229	738995	727647	735957	0.99	cps
Iron	54-1	6623028	6297100	6342898	6421009	2.75	cps
Iron	56-1	107098419	105513279	104975071	105862257	1.04	cps
Iron	57-1	2580393	2563688	2536873	2560318	0.86	cps
Krypton	83-1	990	867	963	940	6.90	cps
Lead	206-1	503830	503354	504795	503993	0.15	cps
Lead	207-1	446465	441394	441278	443046	0.67	cps
Lead	208-1	2029263	2013561	2012315	2018380	0.47	cps
Lithium	6-1	744497	730219	736000	736905	0.97	cps
Magnesium	24-1	96460829	93124498	95070385	94885238	1.77	cps
Manganese	55-1	4953791	4889665	4821521	4888326	1.35	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:33:23	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	2072128	2125374	2087101	2094868	1.31	cps
Molybdenum	95-1	2599481	2634422	2580847	2604917	1.04	cps
Molybdenum	96-1	2830572	2879158	2883768	2864500	1.03	cps
Molybdenum	97-1	1592845	1599582	1583543	1591990	0.51	cps
Molybdenum	98-1	4134239	4094972	4035384	4088198	1.22	cps
Neodymium	150-1	60	47	40	49	20.83	cps
Nickel	60-1	495674	496633	494531	495613	0.21	cps
Phosphorus	31-1	1395291	1391375	1388420	1391695	0.25	cps
Potassium	39-1	81194714	79373150	80378816	80315560	1.14	cps
Rhodium	103-1	3738480	3749072	3718051	3735201	0.42	cps
Rhodium	103-2	1958582	1970934	1920242	1949919	1.36	cps
Scandium	45-1	2598860	2585391	2585604	2589952	0.30	cps
Scandium	45-2	106749	106068	106273	106363	0.33	cps
Selenium	82-1	16743	16870	16591	16735	0.84	cps
Selenium	77-1	13056	13332	12681	13023	2.51	cps
Selenium	78-1	109508	107375	105762	107548	1.75	cps
Silicon	28-1	1186487	1195840	1198245	1193524	0.52	cps
Silver	109-1	1211071	1221055	1203657	1211928	0.72	cps
Silver	107-1	1272793	1288200	1285595	1282196	0.64	cps
Sodium	23-1	130932586	134116699	130689620	131912968	1.45	cps
Strontium	86-1	329434	332360	326811	329535	0.84	cps
Strontium	88-1	2778664	2764274	2767309	2770082	0.27	cps
Sulfur	34-1	520494	520458	522449	521134	0.22	cps
Terbium	159-1	3971686	3934461	3930649	3945599	0.57	cps
Terbium	159-2	2008060	2023208	2038514	2023260	0.75	cps
Thallium	205-1	1495203	1476340	1478607	1483383	0.69	cps
Thallium	203-1	626039	634353	635208	631867	0.80	cps
Tin	118-1	772900	761857	751563	762107	1.40	cps
Titanium	47-1	767048	748508	761061	758872	1.25	cps
Uranium	238-1	1752951	1762344	1765817	1760371	0.38	cps
Vanadium	51-1	2168015	2086205	2086081	2113434	2.24	cps
Yttrium	89-1	5360440	5365743	5357013	5361065	0.08	cps
Yttrium	89-2	743288	747234	734248	741590	0.90	cps
Zinc	66-1	627066	620788	617131	621662	0.81	cps
Zirconium	91-1	383520	378296	377230	379682	0.89	cps
Zirconium	90-1	1717078	1684522	1692761	1698120	1.00	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:36:24	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	48255938	49392453	48253478	48633956	1.35	cps
Antimony	121-1	2065445	2092851	2058330	2072209	0.88	cps
Arsenic	75-1	594910	612203	601721	602945	1.44	cps
Barium	135-1	2067455	2100784	2099757	2089332	0.91	cps
Barium	137-1	3571509	3566835	3596330	3578224	0.44	cps
Beryllium	9-1	304043	303876	302792	303570	0.22	cps
Bismuth	209-1	1833185	2060200	2120120	2004501	7.55	cps
Bismuth	209-2	1338549	1341622	1341878	1340683	0.14	cps
Boron	11-1	103921	117404	126667	115997	9.86	cps
Boron	10-1	20953	23923	24916	23264	8.86	cps
Bromine	81-1	2950	3092	3392	3145	7.17	cps
Cadmium	106-1	48578	49364	48744	48895	0.85	cps
Cadmium	108-1	34322	33616	33528	33822	1.29	cps
Cadmium	111-1	476281	467163	468407	470617	1.05	cps
Calcium	43-1	549854	555533	558030	554472	0.76	cps
Calcium	44-1	8672508	8808011	8816843	8765787	0.92	cps
Chromium	52-1	3535103	3530960	3515081	3527048	0.30	cps
Cobalt	59-1	4093179	4075156	4096492	4088276	0.28	cps
Copper	63-1	4445859	4456263	4499851	4467324	0.64	cps
Dysprosium	156-1	217	142	75	144	49.07	cps
Erbium	164-1	25	25	8	19	49.50	cps
Gadolinium	160-1	50	25	33	36	35.25	cps
Holmium	165-1	3224380	3634732	3798001	3552371	8.32	cps
Holmium	165-2	2045647	2057899	2085747	2063098	1.00	cps
Indium	115-1	3410473	3705276	3793638	3636462	5.52	cps
Indium	115-2	742334	735016	742227	739859	0.57	cps
Iron	54-1	11912700	12099304	12029031	12013678	0.78	cps
Iron	56-1	195161538	202456830	200984946	199534438	1.93	cps
Iron	57-1	4925716	4934322	4855425	4905154	0.88	cps
Krypton	83-1	1197	1070	997	1088	9.30	cps
Lead	206-1	967114	974994	958732	966947	0.84	cps
Lead	207-1	840120	851018	834972	842037	0.97	cps
Lead	208-1	3894838	3940290	3848461	3894530	1.18	cps
Lithium	6-1	672418	725179	744492	714030	5.22	cps
Magnesium	24-1	181775242	180535117	181235112	181181823	0.34	cps
Manganese	55-1	9149969	9338058	9218691	9235572	1.03	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:36:24	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3992479	4003769	4072951	4023066	1.08	cps
Molybdenum	95-1	5011140	4887852	5013360	4970784	1.45	cps
Molybdenum	96-1	5456007	5437735	5466060	5453267	0.26	cps
Molybdenum	97-1	3110754	3042546	3092630	3081977	1.15	cps
Molybdenum	98-1	7835882	7670762	7853664	7786769	1.30	cps
Neodymium	150-1	80	113	60	84	31.91	cps
Nickel	60-1	938508	931696	933145	934450	0.38	cps
Phosphorus	31-1	2611013	2628168	2593718	2610967	0.66	cps
Potassium	39-1	153718662	149223312	152089353	151677109	1.50	cps
Rhodium	103-1	3274983	3613156	3752437	3546859	6.92	cps
Rhodium	103-2	1933186	1942023	1970437	1948549	1.00	cps
Scandium	45-1	2306471	2580577	2633787	2506945	7.01	cps
Scandium	45-2	108157	106662	109332	108050	1.24	cps
Selenium	82-1	31323	31924	31500	31582	0.98	cps
Selenium	77-1	24831	25315	23879	24675	2.96	cps
Selenium	78-1	144966	145312	145825	145368	0.30	cps
Silicon	28-1	1784734	1869075	1865634	1839815	2.59	cps
Silver	109-1	2299025	2270808	2290339	2286724	0.63	cps
Silver	107-1	2415039	2436713	2431774	2427842	0.47	cps
Sodium	23-1	258183164	258185981	258249281	258206142	0.01	cps
Strontium	86-1	641469	634009	641373	638950	0.67	cps
Strontium	88-1	5373471	5411306	5345239	5376672	0.62	cps
Sulfur	34-1	588814	582227	589041	586694	0.66	cps
Terbium	159-1	3561490	3847851	3997405	3802249	5.83	cps
Terbium	159-2	2034760	2031227	2064599	2043529	0.90	cps
Thallium	205-1	2840646	2838703	2846068	2841806	0.13	cps
Thallium	203-1	1200086	1199722	1227079	1208962	1.30	cps
Tin	118-1	1466521	1481775	1450298	1466198	1.07	cps
Titanium	47-1	1430613	1427068	1420733	1426138	0.35	cps
Uranium	238-1	3327788	3382452	3397004	3369081	1.08	cps
Vanadium	51-1	4054660	4045812	4028514	4042995	0.33	cps
Yttrium	89-1	4767118	5199406	5414107	5126877	6.43	cps
Yttrium	89-2	744233	748435	754818	749162	0.71	cps
Zinc	66-1	1172072	1169939	1179269	1173760	0.42	cps
Zirconium	91-1	754220	743107	755273	750867	0.90	cps
Zirconium	90-1	3386375	3272120	3354812	3337769	1.77	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:39:22	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	103834590	104868384	103881425	104194800	0.56	cps
Antimony	121-1	4406654	4509551	4480210	4465472	1.19	cps
Arsenic	75-1	1306517	1303535	1304762	1304938	0.11	cps
Barium	135-1	4472335	4637258	4507209	4538934	1.91	cps
Barium	137-1	7688016	7674653	7652295	7671655	0.24	cps
Beryllium	9-1	651200	648919	649150	649756	0.19	cps
Bismuth	209-1	2259040	2240733	2254712	2251495	0.42	cps
Bismuth	209-2	1410412	1419268	1434574	1421418	0.86	cps
Boron	11-1	228528	256802	271032	252121	8.58	cps
Boron	10-1	45228	51357	55579	50721	10.26	cps
Bromine	81-1	3184	3275	3359	3273	2.67	cps
Cadmium	106-1	105577	105234	104981	105264	0.28	cps
Cadmium	108-1	72535	73490	72816	72947	0.67	cps
Cadmium	111-1	1003765	1022914	1013950	1013543	0.95	cps
Calcium	43-1	1161950	1188371	1156002	1168774	1.47	cps
Calcium	44-1	19128605	19277679	18858021	19088101	1.11	cps
Chromium	52-1	7626002	7615842	7804640	7682161	1.38	cps
Cobalt	59-1	8627712	8754228	8576726	8652889	1.06	cps
Copper	63-1	9490962	9517333	9324270	9444188	1.11	cps
Dysprosium	156-1	75	83	75	78	6.19	cps
Erbium	164-1	33	25	42	33	25.01	cps
Gadolinium	160-1	92	67	83	81	15.80	cps
Holmium	165-1	4030557	4008491	4041598	4026882	0.42	cps
Holmium	165-2	2255733	2204281	2249819	2236611	1.26	cps
Indium	115-1	4097144	4085929	4049806	4077626	0.61	cps
Indium	115-2	777633	777355	789044	781344	0.85	cps
Iron	54-1	25975505	25444314	25804810	25741543	1.05	cps
Iron	56-1	429589093	429194393	434537710	431107065	0.69	cps
Iron	57-1	10630116	10432245	10437842	10500068	1.07	cps
Krypton	83-1	1050	930	1057	1012	7.04	cps
Lead	206-1	2125128	2161042	2155448	2147206	0.90	cps
Lead	207-1	1839275	1880995	1851931	1857400	1.15	cps
Lead	208-1	8479487	8588165	8595514	8554389	0.76	cps
Lithium	6-1	791135	798283	786551	791990	0.75	cps
Magnesium	24-1	390471075	393537859	392679034	392229323	0.40	cps
Manganese	55-1	20242580	20051240	20263531	20185784	0.58	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:39:22	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	8590387	8796632	8335677	8574232	2.69	cps
Molybdenum	95-1	10646010	10953267	10552685	10717321	1.96	cps
Molybdenum	96-1	11755230	12040671	11856966	11884289	1.22	cps
Molybdenum	97-1	6545114	6626806	6466140	6546020	1.23	cps
Molybdenum	98-1	17004340	17278011	16935581	17072644	1.06	cps
Neodymium	150-1	127	200	127	151	28.02	cps
Nickel	60-1	1984986	2036760	1982998	2001581	1.52	cps
Phosphorus	31-1	5609573	5543810	5561321	5571568	0.61	cps
Potassium	39-1	323061924	322429441	320272549	321921304	0.45	cps
Rhodium	103-1	3900540	4022273	3906657	3943157	1.74	cps
Rhodium	103-2	2047501	2010032	2066300	2041278	1.40	cps
Scandium	45-1	2791017	2708415	2814102	2771178	2.01	cps
Scandium	45-2	112516	115523	115456	114498	1.50	cps
Selenium	82-1	68579	69146	68366	68697	0.59	cps
Selenium	77-1	53234	52264	52381	52627	1.01	cps
Selenium	78-1	237352	238192	237592	237712	0.18	cps
Silicon	28-1	2883510	2868516	2907088	2886371	0.67	cps
Silver	109-1	4855138	5016987	4940183	4937436	1.64	cps
Silver	107-1	5152557	5188539	5224894	5188663	0.70	cps
Sodium	23-1	550024479	559568013	555727346	555106612	0.87	cps
Strontium	86-1	1369706	1373193	1373547	1372149	0.15	cps
Strontium	88-1	11255218	11355897	11380437	11330517	0.59	cps
Sulfur	34-1	776294	762421	763467	767394	1.01	cps
Terbium	159-1	4303292	4417450	4359077	4359940	1.31	cps
Terbium	159-2	2221275	2216488	2203023	2213596	0.43	cps
Thallium	205-1	6020779	6133120	6069761	6074553	0.93	cps
Thallium	203-1	2638597	2655877	2648924	2647799	0.33	cps
Tin	118-1	3162044	3174666	3191220	3175976	0.46	cps
Titanium	47-1	3040557	3094789	3139303	3091550	1.60	cps
Uranium	238-1	7171998	7309817	7209164	7230326	0.99	cps
Vanadium	51-1	8747465	8677218	8769509	8731397	0.55	cps
Yttrium	89-1	5766987	5753961	5746921	5755956	0.18	cps
Yttrium	89-2	795745	785517	797313	792858	0.81	cps
Zinc	66-1	2523683	2514356	2514982	2517674	0.21	cps
Zirconium	91-1	1622792	1635957	1564568	1607772	2.36	cps
Zirconium	90-1	7183360	7211784	7053988	7149710	1.18	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:42:23	DataFile Name :	012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	470351144	491864444	495291961	485835850	2.78	cps
Antimony	121-1	3092	3617	3367	3359	7.82	cps
Arsenic	75-1	1033	900	917	950	7.65	cps
Barium	135-1	9203	8903	9053	9053	1.66	cps
Barium	137-1	15543	16093	15292	15643	2.62	cps
Beryllium	9-1	236	298	208	247	18.62	cps
Bismuth	209-1	2083155	2123726	2105885	2104255	0.97	cps
Bismuth	209-2	1288916	1325008	1312407	1308777	1.40	cps
Boron	11-1	47745	42350	38737	42944	10.56	cps
Boron	10-1	9593	8581	7681	8618	11.10	cps
Bromine	81-1	3609	3617	3859	3695	3.84	cps
Cadmium	106-1	1225	1258	1175	1220	3.44	cps
Cadmium	108-1	42	71	50	54	27.73	cps
Cadmium	111-1	1358	1298	1267	1307	3.53	cps
Calcium	43-1	5240233	5323484	5356609	5306775	1.13	cps
Calcium	44-1	84851464	85172791	85746842	85257032	0.53	cps
Chromium	52-1	139048	142833	140857	140912	1.34	cps
Cobalt	59-1	17470	17036	17970	17492	2.67	cps
Copper	63-1	53510	51837	52063	52470	1.73	cps
Dysprosium	156-1	333	233	250	272	19.68	cps
Erbium	164-1	50	58	25	44	39.04	cps
Gadolinium	160-1	275	242	267	261	6.64	cps
Holmium	165-1	3845189	3962523	3983283	3930331	1.89	cps
Holmium	165-2	2150238	2118181	2149778	2139399	0.86	cps
Indium	115-1	4109935	4112603	4337124	4186554	3.11	cps
Indium	115-2	777948	789751	788143	785281	0.82	cps
Iron	54-1	114390494	115919940	116819753	115710062	1.06	cps
Iron	56-1	1927447976	1975794511	1986139244	1963127244	1.60	cps
Iron	57-1	46853580	48254456	48727071	47945036	2.03	cps
Krypton	83-1	1017	1060	1080	1052	3.08	cps
Lead	206-1	9392	9987	9548	9643	3.20	cps
Lead	207-1	8581	8675	8475	8577	1.17	cps
Lead	208-1	38568	38784	37911	38421	1.18	cps
Lithium	6-1	753644	761048	754684	756459	0.53	cps
Magnesium	24-1	1830069974	1821994441	1820019507	1824027974	0.29	cps
Manganese	55-1	115205	114994	119397	116532	2.13	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 15:42:23	DataFile Name :	012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	6093	5826	5251	5724	7.52	cps
Molybdenum	95-1	8378	7861	7477	7905	5.72	cps
Molybdenum	96-1	10821	9679	9245	9915	8.21	cps
Molybdenum	97-1	5576	5259	4993	5276	5.54	cps
Molybdenum	98-1	13290	11922	12306	12506	5.64	cps
Neodymium	150-1	67	40	33	47	37.80	cps
Nickel	60-1	25081	24171	25799	25017	3.26	cps
Phosphorus	31-1	34533	35126	35728	35129	1.70	cps
Potassium	39-1	1468436333	1502184400	1529584401	1500068378	2.04	cps
Rhodium	103-1	3741426	3721029	3842280	3768245	1.72	cps
Rhodium	103-2	1905999	1958886	1916458	1927114	1.45	cps
Scandium	45-1	2651217	2679716	2747129	2692687	1.83	cps
Scandium	45-2	106726	107939	107565	107410	0.58	cps
Selenium	82-1	12	-19	-58	-22	-159.88	cps
Selenium	77-1	133	142	58	111	41.30	cps
Selenium	78-1	70008	67805	69597	69137	1.69	cps
Silicon	28-1	867535	885588	862078	871734	1.41	cps
Silver	109-1	2417	2300	1800	2172	15.08	cps
Silver	107-1	2125	2400	2017	2181	9.06	cps
Sodium	23-1	2501244989	2543418657	2562060657	2535574768	1.23	cps
Strontium	86-1	4693	4426	3967	4362	8.41	cps
Strontium	88-1	25599	25424	24330	25118	2.74	cps
Sulfur	34-1	423840	430052	433084	428992	1.10	cps
Terbium	159-1	4125207	4087051	4216872	4143043	1.61	cps
Terbium	159-2	2139456	2171414	2128630	2146500	1.04	cps
Thallium	205-1	4618	3926	3492	4012	14.15	cps
Thallium	203-1	1859	1717	1675	1750	5.49	cps
Tin	118-1	2459	2167	2250	2292	6.56	cps
Titanium	47-1	1825	1742	1817	1795	2.56	cps
Uranium	238-1	2142	2050	1909	2034	5.78	cps
Vanadium	51-1	5435	5643	5676	5585	2.35	cps
Yttrium	89-1	5680507	5679267	5720002	5693259	0.41	cps
Yttrium	89-2	771821	783078	777506	777468	0.72	cps
Zinc	66-1	41929	40425	40200	40851	2.30	cps
Zirconium	91-1	667	675	675	672	0.72	cps
Zirconium	90-1	3526	3350	3234	3370	4.36	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:02:27	DataFile Name :	013ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	2360118	2344881	2276064	2327021	1.92	cps
Antimony	121-1	782709	789670	788379	786919	0.47	cps
Arsenic	75-1	235037	235315	236442	235598	0.32	cps
Barium	135-1	82141	83382	80396	81973	1.83	cps
Barium	137-1	141881	141518	142361	141920	0.30	cps
Beryllium	9-1	56707	56701	56165	56524	0.55	cps
Bismuth	209-1	2039370	1998982	2048421	2028924	1.30	cps
Bismuth	209-2	1308510	1312993	1303245	1308250	0.37	cps
Boron	11-1	71899	88581	99245	86575	15.92	cps
Boron	10-1	14252	18096	20246	17531	17.32	cps
Bromine	81-1	3209	3092	3000	3100	3.37	cps
Cadmium	106-1	14224	14533	14858	14539	2.18	cps
Cadmium	108-1	8774	8936	8607	8772	1.88	cps
Cadmium	111-1	95245	95779	95617	95547	0.29	cps
Calcium	43-1	23845	23753	22960	23520	2.07	cps
Calcium	44-1	407939	404246	402649	404945	0.67	cps
Chromium	52-1	694305	703465	699793	699188	0.66	cps
Cobalt	59-1	823675	824848	822488	823670	0.14	cps
Copper	63-1	453486	447984	446095	449188	0.85	cps
Dysprosium	156-1	92	142	83	106	29.89	cps
Erbium	164-1	25	17	25	22	21.64	cps
Gadolinium	160-1	75	33	17	42	72.10	cps
Holmium	165-1	3587665	3633805	3613302	3611590	0.64	cps
Holmium	165-2	1951073	1958221	1985261	1964852	0.92	cps
Indium	115-1	3742663	3751832	3723043	3739179	0.39	cps
Indium	115-2	721959	726943	725947	724950	0.36	cps
Iron	54-1	1188336	1178136	1179900	1182124	0.46	cps
Iron	56-1	17685547	17711314	17572585	17656482	0.42	cps
Iron	57-1	420865	416715	420150	419243	0.53	cps
Krypton	83-1	977	1033	950	987	4.31	cps
Lead	206-1	393122	397353	389543	393340	0.99	cps
Lead	207-1	330556	333954	327132	330547	1.03	cps
Lead	208-1	1532841	1545741	1529431	1536004	0.56	cps
Lithium	6-1	683155	687257	679308	683240	0.58	cps
Magnesium	24-1	4038125	4039700	4030111	4035978	0.13	cps
Manganese	55-1	928052	923972	918161	923395	0.54	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:02:27	DataFile Name :	013ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3847622	3849746	3790328	3829232	0.88	cps
Molybdenum	95-1	4844927	4818355	4709679	4790987	1.50	cps
Molybdenum	96-1	5215805	5206955	5174605	5199122	0.42	cps
Molybdenum	97-1	2934559	2928923	2864708	2909397	1.33	cps
Molybdenum	98-1	7615387	7543143	7375684	7511404	1.64	cps
Neodymium	150-1	7	0	13	7	99.98	cps
Nickel	60-1	185777	186570	185786	186044	0.24	cps
Phosphorus	31-1	31602	32403	31193	31732	1.94	cps
Potassium	39-1	15419275	15227220	15447094	15364529	0.78	cps
Rhodium	103-1	3733055	3638929	3552466	3641483	2.48	cps
Rhodium	103-2	1956589	1928389	1911300	1932093	1.18	cps
Scandium	45-1	2460807	2492787	2441590	2465061	1.05	cps
Scandium	45-2	104457	104688	106766	105303	1.21	cps
Selenium	82-1	12532	12493	12731	12585	1.01	cps
Selenium	77-1	9720	9587	9912	9740	1.68	cps
Selenium	78-1	98368	96237	98074	97560	1.18	cps
Silicon	28-1	1515900	1550185	1583723	1549936	2.19	cps
Silver	109-1	215592	215825	217980	216466	0.61	cps
Silver	107-1	233766	235284	233571	234207	0.40	cps
Sodium	23-1	10428239	10169339	10197362	10264980	1.38	cps
Strontium	86-1	593609	587370	591338	590772	0.53	cps
Strontium	88-1	4929885	4979998	5086746	4998876	1.60	cps
Sulfur	34-1	424159	428260	425670	426029	0.49	cps
Terbium	159-1	3870638	3839364	3803813	3837938	0.87	cps
Terbium	159-2	1977129	1961764	1964975	1967956	0.41	cps
Thallium	205-1	1133259	1142660	1127882	1134600	0.66	cps
Thallium	203-1	485039	482528	475328	480965	1.05	cps
Tin	118-1	1371433	1377884	1381192	1376836	0.36	cps
Titanium	47-1	1354961	1375646	1363671	1364759	0.76	cps
Uranium	238-1	3174369	3192879	3110177	3159142	1.37	cps
Vanadium	51-1	781539	780027	768872	776812	0.89	cps
Yttrium	89-1	5136558	5198971	5235722	5190417	0.97	cps
Yttrium	89-2	743056	719580	730017	730884	1.61	cps
Zinc	66-1	225245	224699	225319	225088	0.15	cps
Zirconium	91-1	708917	708472	708417	708602	0.04	cps
Zirconium	90-1	3170297	3159087	3193607	3174330	0.55	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:05:16	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	6985	6660	6435	6693	4.13	cps
Antimony	121-1	250	208	208	222	10.83	cps
Arsenic	75-1	83	100	80	88	12.21	cps
Barium	135-1	42	8	17	22	78.07	cps
Barium	137-1	75	25	25	42	69.28	cps
Beryllium	9-1	38	56	42	45	20.85	cps
Bismuth	209-1	2116428	2072382	2031214	2073342	2.06	cps
Bismuth	209-2	1303977	1308541	1294649	1302389	0.54	cps
Boron	11-1	18728	16986	15763	17159	8.68	cps
Boron	10-1	3986	3472	3214	3557	11.05	cps
Bromine	81-1	2917	3042	2892	2950	2.72	cps
Cadmium	106-1	1067	1067	883	1006	10.53	cps
Cadmium	108-1	4	17	8	10	65.47	cps
Cadmium	111-1	765	756	617	712	11.65	cps
Calcium	43-1	542	417	492	483	13.02	cps
Calcium	44-1	46542	46685	46885	46704	0.37	cps
Chromium	52-1	13415	13257	13131	13268	1.07	cps
Cobalt	59-1	692	458	667	606	21.16	cps
Copper	63-1	1550	1292	1517	1453	9.67	cps
Dysprosium	156-1	33	25	58	39	44.62	cps
Erbium	164-1	25	25	8	19	49.50	cps
Gadolinium	160-1	17	17	17	17	0.00	cps
Holmium	165-1	3607361	3671651	3541284	3606765	1.81	cps
Holmium	165-2	1951922	1950173	1939748	1947281	0.34	cps
Indium	115-1	3724902	3739403	3648162	3704155	1.32	cps
Indium	115-2	735056	725897	720839	727264	0.99	cps
Iron	54-1	256736	254435	253333	254835	0.68	cps
Iron	56-1	2855442	2820994	2820734	2832390	0.70	cps
Iron	57-1	42597	42714	41177	42163	2.03	cps
Krypton	83-1	960	877	957	931	5.07	cps
Lead	206-1	133	106	156	131	19.05	cps
Lead	207-1	194	111	156	154	27.13	cps
Lead	208-1	717	589	589	632	11.68	cps
Lithium	6-1	677185	688230	677713	681043	0.91	cps
Magnesium	24-1	11421	11288	11213	11307	0.93	cps
Manganese	55-1	20215	18571	19230	19339	4.28	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:05:16	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	908	608	417	644	38.45	cps
Molybdenum	95-1	1167	692	500	786	43.66	cps
Molybdenum	96-1	1125	850	475	817	39.95	cps
Molybdenum	97-1	692	492	325	503	36.51	cps
Molybdenum	98-1	1367	1142	492	1000	45.44	cps
Neodymium	150-1	0	7	13	7	99.98	cps
Nickel	60-1	500	292	325	372	30.06	cps
Phosphorus	31-1	32077	31752	31852	31894	0.52	cps
Potassium	39-1	4415969	4429826	4463237	4436344	0.55	cps
Rhodium	103-1	3685340	3762675	3654834	3700950	1.50	cps
Rhodium	103-2	1930471	1917861	1915868	1921400	0.41	cps
Scandium	45-1	2491826	2515871	2529740	2512479	0.76	cps
Scandium	45-2	103439	102983	103526	103316	0.28	cps
Selenium	82-1	-8	99	73	54	102.31	cps
Selenium	77-1	50	17	67	44	57.28	cps
Selenium	78-1	65997	67822	67680	67167	1.51	cps
Silicon	28-1	667775	657640	657420	660945	0.90	cps
Silver	109-1	67	33	67	56	34.65	cps
Silver	107-1	133	108	67	103	32.77	cps
Sodium	23-1	892225	888033	883555	887938	0.49	cps
Strontium	86-1	1692	1592	1567	1617	4.09	cps
Strontium	88-1	925	642	383	650	41.68	cps
Sulfur	34-1	423652	426515	423701	424623	0.39	cps
Terbium	159-1	3837674	3869171	3864997	3857281	0.44	cps
Terbium	159-2	1963193	1936422	1995557	1965057	1.51	cps
Thallium	205-1	792	558	542	631	22.17	cps
Thallium	203-1	267	308	292	289	7.26	cps
Tin	118-1	475	442	358	425	14.14	cps
Titanium	47-1	1133	1125	817	1025	17.61	cps
Uranium	238-1	550	317	192	353	51.56	cps
Vanadium	51-1	575	625	558	586	5.92	cps
Yttrium	89-1	5191947	5135488	5168904	5165447	0.55	cps
Yttrium	89-2	736627	728289	725670	730195	0.78	cps
Zinc	66-1	467	475	400	447	9.19	cps
Zirconium	91-1	183	125	167	158	18.98	cps
Zirconium	90-1	825	550	408	594	35.64	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:08:06	DataFile Name :	015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	412329659	426794510	424530409	421218193	1.85	cps
Antimony	121-1	4526	4368	4759	4551	4.33	cps
Arsenic	75-1	913	1003	1287	1068	18.25	cps
Barium	135-1	1150	1192	1125	1156	2.91	cps
Barium	137-1	1984	2025	2125	2045	3.56	cps
Beryllium	9-1	202	176	188	189	6.90	cps
Bismuth	209-1	2018945	2025321	2039000	2027756	0.51	cps
Bismuth	209-2	1307572	1308056	1313747	1309792	0.26	cps
Boron	11-1	11808	11256	10460	11175	6.07	cps
Boron	10-1	2462	2364	2106	2310	7.96	cps
Bromine	81-1	3626	3942	4259	3942	8.03	cps
Cadmium	106-1	1292	1125	1108	1175	8.63	cps
Cadmium	108-1	554	454	579	529	12.50	cps
Cadmium	111-1	1212	1132	1037	1127	7.77	cps
Calcium	43-1	1042850	1062334	1058538	1054574	0.98	cps
Calcium	44-1	16647645	17091290	16962507	16900481	1.35	cps
Chromium	52-1	151674	158260	153273	154402	2.22	cps
Cobalt	59-1	10312	10412	10346	10357	0.49	cps
Copper	63-1	39998	40341	40576	40305	0.72	cps
Dysprosium	156-1	67	25	42	44	47.19	cps
Erbium	164-1	25	33	17	25	33.32	cps
Gadolinium	160-1	42	50	33	42	20.00	cps
Holmium	165-1	3731873	3646203	3740012	3706029	1.40	cps
Holmium	165-2	2082255	2054462	2074154	2070290	0.69	cps
Indium	115-1	3779209	3780234	3720626	3760023	0.91	cps
Indium	115-2	739722	738657	749000	742459	0.77	cps
Iron	54-1	43889670	45477312	45105702	44824228	1.85	cps
Iron	56-1	764073717	764006417	757902650	761994261	0.47	cps
Iron	57-1	18419545	18688271	18370573	18492796	0.92	cps
Krypton	83-1	1033	1030	917	993	6.69	cps
Lead	206-1	9103	8803	8959	8955	1.68	cps
Lead	207-1	6930	7041	7002	6991	0.81	cps
Lead	208-1	33490	32972	33223	33228	0.78	cps
Lithium	6-1	706463	694204	697326	699331	0.91	cps
Magnesium	24-1	333894191	339481691	337123074	336832985	0.83	cps
Manganese	55-1	86235	87083	87208	86842	0.61	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:08:06	DataFile Name :	015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	2230399	2181535	2214952	2208962	1.13	cps
Molybdenum	95-1	3865421	3832067	3885781	3861090	0.70	cps
Molybdenum	96-1	3984194	4053827	4156288	4064769	2.13	cps
Molybdenum	97-1	2355170	2361268	2378500	2364979	0.51	cps
Molybdenum	98-1	6063353	6088400	6081925	6077892	0.21	cps
Neodymium	150-1	20	20	0	13	86.60	cps
Nickel	60-1	10271	10579	10479	10443	1.51	cps
Phosphorus	31-1	23755228	24549533	24404521	24236428	1.75	cps
Potassium	39-1	570393079	580083580	571289146	573921935	0.93	cps
Rhodium	103-1	3720917	3695192	3621978	3679362	1.40	cps
Rhodium	103-2	1986800	1921234	1953393	1953809	1.68	cps
Scandium	45-1	2528127	2573349	2534008	2545161	0.97	cps
Scandium	45-2	108412	106756	109318	108162	1.20	cps
Selenium	82-1	-54	7	87	13	535.42	cps
Selenium	77-1	233	342	300	292	18.74	cps
Selenium	78-1	68257	69003	70301	69187	1.49	cps
Silicon	28-1	715586	720277	724809	720224	0.64	cps
Silver	109-1	142	125	200	156	25.32	cps
Silver	107-1	108	150	208	156	32.29	cps
Sodium	23-1	477257294	488216161	478905711	481459722	1.23	cps
Strontium	86-1	43418	43075	44271	43588	1.41	cps
Strontium	88-1	359783	361863	360339	360661	0.30	cps
Sulfur	34-1	1476369	1513322	1514271	1501321	1.44	cps
Terbium	159-1	3946225	3965545	3974532	3962101	0.37	cps
Terbium	159-2	2085577	2085426	2008247	2059750	2.17	cps
Thallium	205-1	633	733	833	733	13.64	cps
Thallium	203-1	250	267	275	264	4.82	cps
Tin	118-1	1375	1283	1433	1364	5.54	cps
Titanium	47-1	1102950	1123044	1100809	1108934	1.11	cps
Uranium	238-1	100	125	100	108	13.32	cps
Vanadium	51-1	2367	2525	2850	2581	9.55	cps
Yttrium	89-1	5324868	5339475	5324155	5329499	0.16	cps
Yttrium	89-2	762484	756641	761066	760064	0.40	cps
Zinc	66-1	13757	13724	14116	13865	1.57	cps
Zirconium	91-1	75	58	125	86	40.30	cps
Zirconium	90-1	325	458	300	361	23.57	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:10:54	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	425698176	421251176	433117910	426689087	1.41	cps
Antimony	121-1	85207	85114	87119	85813	1.32	cps
Arsenic	75-1	25463	24548	25857	25289	2.66	cps
Barium	135-1	17971	18647	18304	18307	1.85	cps
Barium	137-1	30560	29424	31095	30360	2.81	cps
Beryllium	9-1	11282	11542	11822	11549	2.34	cps
Bismuth	209-1	2017126	2069841	1860540	1982502	5.49	cps
Bismuth	209-2	1305615	1316093	1313947	1311885	0.42	cps
Boron	11-1	18382	19685	20781	19616	6.12	cps
Boron	10-1	3872	4120	3968	3986	3.14	cps
Bromine	81-1	3592	3834	3734	3720	3.27	cps
Cadmium	106-1	3167	3559	3134	3287	7.19	cps
Cadmium	108-1	1975	2004	2134	2038	4.14	cps
Cadmium	111-1	19806	19367	19713	19629	1.18	cps
Calcium	43-1	1053951	1061272	1070233	1061819	0.77	cps
Calcium	44-1	16739186	16956051	17321754	17005664	1.73	cps
Chromium	52-1	289278	295663	296104	293681	1.30	cps
Cobalt	59-1	169120	172689	175304	172371	1.80	cps
Copper	63-1	128697	130186	131506	130129	1.08	cps
Dysprosium	156-1	42	33	25	33	25.01	cps
Erbium	164-1	58	17	100	58	71.43	cps
Gadolinium	160-1	67	42	50	53	24.12	cps
Holmium	165-1	3797314	3704793	3354610	3618906	6.45	cps
Holmium	165-2	2060943	2085702	2070444	2072363	0.60	cps
Indium	115-1	3818551	3774688	3422041	3671760	5.92	cps
Indium	115-2	742689	749595	756733	749672	0.94	cps
Iron	54-1	44509780	45415620	45730058	45218486	1.40	cps
Iron	56-1	752093767	765401000	782373434	766622734	1.98	cps
Iron	57-1	18299414	18522726	18623230	18481790	0.90	cps
Krypton	83-1	997	1063	1080	1047	4.21	cps
Lead	206-1	47498	48312	48407	48072	1.04	cps
Lead	207-1	38842	38652	39744	39079	1.49	cps
Lead	208-1	180440	180617	185016	182024	1.42	cps
Lithium	6-1	703955	698302	639420	680559	5.25	cps
Magnesium	24-1	341149966	338055941	345419633	341541847	1.08	cps
Manganese	55-1	266623	270296	273960	270293	1.36	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:10:54	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	2387937	2354645	2396324	2379635	0.93	cps
Molybdenum	95-1	3929570	3929123	3991514	3950069	0.91	cps
Molybdenum	96-1	4194620	4203070	4201466	4199719	0.11	cps
Molybdenum	97-1	2456368	2422026	2416697	2431697	0.89	cps
Molybdenum	98-1	6195061	6181957	6387040	6254686	1.84	cps
Neodymium	150-1	40	33	13	29	48.05	cps
Nickel	60-1	46552	46393	47296	46747	1.03	cps
Phosphorus	31-1	23895796	24467758	24512265	24291940	1.42	cps
Potassium	39-1	564916879	566818329	566880863	566205357	0.20	cps
Rhodium	103-1	3699040	3676486	3371314	3582280	5.11	cps
Rhodium	103-2	1913062	1954283	1948103	1938482	1.15	cps
Scandium	45-1	2594406	2592299	2336196	2507634	5.92	cps
Scandium	45-2	108826	107227	109093	108382	0.93	cps
Selenium	82-1	1210	1059	1170	1146	6.81	cps
Selenium	77-1	1192	1383	1500	1358	11.46	cps
Selenium	78-1	73081	72931	73961	73325	0.76	cps
Silicon	28-1	839613	840923	854170	844902	0.95	cps
Silver	109-1	85590	88140	90380	88037	2.72	cps
Silver	107-1	90647	92300	93525	92157	1.57	cps
Sodium	23-1	477143177	488587361	488184978	484638505	1.34	cps
Strontium	86-1	107167	110199	111006	109457	1.85	cps
Strontium	88-1	918354	906809	934342	919835	1.50	cps
Sulfur	34-1	1429381	1463357	1478183	1456974	1.72	cps
Terbium	159-1	4039994	3978827	3620018	3879613	5.85	cps
Terbium	159-2	2062860	2056026	2086079	2068321	0.76	cps
Thallium	205-1	110342	111074	115839	112418	2.66	cps
Thallium	203-1	47053	46450	48759	47421	2.52	cps
Tin	118-1	151255	151390	150554	151066	0.30	cps
Titanium	47-1	1141478	1126644	1156155	1141425	1.29	cps
Uranium	238-1	332731	337636	346144	338837	2.00	cps
Vanadium	51-1	159694	158250	164659	160868	2.09	cps
Yttrium	89-1	5455850	5419333	4927718	5267634	5.60	cps
Yttrium	89-2	763329	771907	761198	765478	0.74	cps
Zinc	66-1	36957	37993	38311	37754	1.88	cps
Zirconium	91-1	78462	77440	80508	78804	1.98	cps
Zirconium	90-1	354697	355102	358093	355964	0.52	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV12	Instrumnet Name :	P8
Client Sample ID :	CCV12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:13:44	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	252375806	255749731	258130956	255418831	1.13	cps
Antimony	121-1	2072000	2129164	2112467	2104544	1.40	cps
Arsenic	75-1	608070	603402	607111	606194	0.41	cps
Barium	135-1	2136866	2131629	2129609	2132702	0.18	cps
Barium	137-1	3609424	3654493	3633671	3632529	0.62	cps
Beryllium	9-1	291595	294045	293802	293147	0.46	cps
Bismuth	209-1	2129981	2160006	2149693	2146560	0.71	cps
Bismuth	209-2	1356571	1349914	1359001	1355162	0.35	cps
Boron	11-1	100144	119020	126310	115158	11.73	cps
Boron	10-1	20272	23730	25357	23120	11.23	cps
Bromine	81-1	3867	3392	3584	3614	6.61	cps
Cadmium	106-1	49306	49255	48895	49152	0.46	cps
Cadmium	108-1	32919	33963	32944	33275	1.79	cps
Cadmium	111-1	462010	464758	473590	466786	1.30	cps
Calcium	43-1	2653049	2661602	2715852	2676834	1.27	cps
Calcium	44-1	43256436	43318604	43761102	43445381	0.63	cps
Chromium	52-1	3695068	3696089	3730131	3707096	0.54	cps
Cobalt	59-1	4074137	4162752	4154287	4130392	1.18	cps
Copper	63-1	4482618	4508444	4434236	4475099	0.84	cps
Dysprosium	156-1	117	142	125	128	9.96	cps
Erbium	164-1	33	42	17	31	41.66	cps
Gadolinium	160-1	158	192	117	156	24.16	cps
Holmium	165-1	3946845	3971589	3970010	3962815	0.35	cps
Holmium	165-2	2156687	2175854	2189488	2174009	0.76	cps
Indium	115-1	4062638	4095337	4148183	4102053	1.05	cps
Indium	115-2	790863	797314	797203	795127	0.46	cps
Iron	54-1	58303097	58181035	59062487	58515540	0.82	cps
Iron	56-1	980986422	985767589	991778256	986177422	0.55	cps
Iron	57-1	23752747	24152293	24182521	24029187	1.00	cps
Krypton	83-1	997	1067	1113	1059	5.55	cps
Lead	206-1	944260	958278	963855	955465	1.06	cps
Lead	207-1	821262	847570	837743	835525	1.59	cps
Lead	208-1	3836450	3931265	3913335	3893683	1.29	cps
Lithium	6-1	712255	724245	724307	720269	0.96	cps
Magnesium	24-1	890370887	892298687	900324053	894331209	0.59	cps
Manganese	55-1	9567457	9520612	9674296	9587455	0.82	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV12	Instrumnet Name :	P8
Client Sample ID :	CCV12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:13:44	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4009743	4117916	4104914	4077524	1.45	cps
Molybdenum	95-1	5148485	5207532	5159613	5171876	0.61	cps
Molybdenum	96-1	5619589	5673264	5569137	5620663	0.93	cps
Molybdenum	97-1	3118709	3189620	3184429	3164253	1.25	cps
Molybdenum	98-1	7973554	8208780	8268849	8150394	1.91	cps
Neodymium	150-1	100	100	67	89	21.65	cps
Nickel	60-1	937179	948686	936931	940932	0.71	cps
Phosphorus	31-1	2620664	2704929	2730541	2685378	2.14	cps
Potassium	39-1	746733867	746171650	765778634	752894717	1.48	cps
Rhodium	103-1	3786275	3822818	3855207	3821433	0.90	cps
Rhodium	103-2	2015202	2033084	2017915	2022067	0.48	cps
Scandium	45-1	2778428	2763599	2750823	2764283	0.50	cps
Scandium	45-2	112426	115016	112688	113377	1.26	cps
Selenium	82-1	31559	32068	31652	31760	0.85	cps
Selenium	77-1	24714	25048	25633	25131	1.85	cps
Selenium	78-1	146700	149816	147460	147992	1.10	cps
Silicon	28-1	1777812	1876312	1935256	1863127	4.27	cps
Silver	109-1	2279528	2299573	2357532	2312211	1.75	cps
Silver	107-1	2417466	2461205	2438597	2439089	0.90	cps
Sodium	23-1	1220552661	1226450694	1195126827	1214043394	1.37	cps
Strontium	86-1	643209	641397	633678	639428	0.79	cps
Strontium	88-1	5441539	5468379	5466001	5458640	0.27	cps
Sulfur	34-1	546330	554037	560437	553601	1.28	cps
Terbium	159-1	4158723	4148201	4202641	4169855	0.69	cps
Terbium	159-2	2148353	2136682	2156166	2147067	0.46	cps
Thallium	205-1	2842256	2809300	2874436	2841997	1.15	cps
Thallium	203-1	1199224	1187769	1190692	1192562	0.50	cps
Tin	118-1	1478739	1471685	1482986	1477804	0.39	cps
Titanium	47-1	1470028	1474538	1501691	1482086	1.16	cps
Uranium	238-1	3428549	3486829	3409803	3441727	1.17	cps
Vanadium	51-1	4147238	4180283	4143315	4156946	0.49	cps
Yttrium	89-1	5645695	5796852	5778198	5740248	1.44	cps
Yttrium	89-2	803318	804801	806664	804927	0.21	cps
Zinc	66-1	1175937	1175585	1148405	1166642	1.35	cps
Zirconium	91-1	734802	747815	742087	741568	0.88	cps
Zirconium	90-1	3296335	3387476	3354088	3345966	1.38	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCB12	Instrumnet Name :	P8
Client Sample ID :	CCB12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:16:32	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	70581	53316	40323	54740	27.73	cps
Antimony	121-1	658	442	425	508	25.61	cps
Arsenic	75-1	430	277	337	348	22.22	cps
Barium	135-1	500	250	258	336	42.25	cps
Barium	137-1	917	525	450	631	39.74	cps
Beryllium	9-1	134	112	72	106	29.65	cps
Bismuth	209-1	2085809	2065316	2070674	2073933	0.51	cps
Bismuth	209-2	1340844	1337915	1351726	1343495	0.54	cps
Boron	11-1	16208	14618	13700	14842	8.55	cps
Boron	10-1	3278	3034	2724	3012	9.22	cps
Bromine	81-1	3417	3150	3200	3256	4.35	cps
Cadmium	106-1	1092	1192	1092	1125	5.13	cps
Cadmium	108-1	8	17	8	11	43.34	cps
Cadmium	111-1	929	931	867	909	4.02	cps
Calcium	43-1	942	883	733	853	12.60	cps
Calcium	44-1	63323	61850	59800	61658	2.87	cps
Chromium	52-1	14516	13448	13957	13974	3.82	cps
Cobalt	59-1	1617	1192	1058	1289	22.62	cps
Copper	63-1	3234	2900	2184	2773	19.36	cps
Dysprosium	156-1	175	150	100	142	26.96	cps
Erbium	164-1	8	17	8	11	43.34	cps
Gadolinium	160-1	25	33	25	28	17.31	cps
Holmium	165-1	3704518	3705342	3641498	3683786	0.99	cps
Holmium	165-2	2059160	2022173	2050388	2043907	0.95	cps
Indium	115-1	3835529	3795186	3852917	3827877	0.77	cps
Indium	115-2	742284	751962	762683	752310	1.36	cps
Iron	54-1	273810	266417	264600	268276	1.82	cps
Iron	56-1	3326226	3143257	3074896	3181460	4.08	cps
Iron	57-1	47245	47204	45624	46691	1.98	cps
Krypton	83-1	947	1090	990	1009	7.29	cps
Lead	206-1	489	311	300	367	28.91	cps
Lead	207-1	294	272	294	287	4.47	cps
Lead	208-1	1606	1167	1167	1313	19.30	cps
Lithium	6-1	694833	695826	693742	694800	0.15	cps
Magnesium	24-1	193369	142456	101533	145786	31.56	cps
Manganese	55-1	23278	22051	21258	22196	4.59	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCB12	Instrumnet Name :	P8
Client Sample ID :	CCB12	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:16:32	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	1108	775	642	842	28.56	cps
Molybdenum	95-1	1275	1008	550	945	38.83	cps
Molybdenum	96-1	1533	967	792	1097	35.33	cps
Molybdenum	97-1	875	475	400	583	43.78	cps
Molybdenum	98-1	2025	1450	925	1467	37.51	cps
Neodymium	150-1	0	7	20	9	114.55	cps
Nickel	60-1	867	575	467	636	32.53	cps
Phosphorus	31-1	29088	28529	28629	28749	1.04	cps
Potassium	39-1	4924416	4833361	4745735	4834504	1.85	cps
Rhodium	103-1	3797335	3807573	3773735	3792881	0.46	cps
Rhodium	103-2	1929645	1978958	2025321	1977975	2.42	cps
Scandium	45-1	2520138	2507509	2566427	2531358	1.23	cps
Scandium	45-2	104533	105514	106252	105433	0.82	cps
Selenium	82-1	18	-123	22	-28	-297.46	cps
Selenium	77-1	108	133	92	111	18.88	cps
Selenium	78-1	70041	67864	68894	68933	1.58	cps
Silicon	28-1	686722	674583	666645	675983	1.50	cps
Silver	109-1	683	658	525	622	13.68	cps
Silver	107-1	775	658	633	689	10.98	cps
Sodium	23-1	1287451	1217340	1156257	1220349	5.38	cps
Strontium	86-1	1692	1658	1692	1681	1.15	cps
Strontium	88-1	1133	950	492	858	38.51	cps
Sulfur	34-1	406597	407699	403478	405924	0.54	cps
Terbium	159-1	3941792	3929321	3943483	3938199	0.20	cps
Terbium	159-2	2078819	2049369	2056496	2061561	0.75	cps
Thallium	205-1	1867	1350	1275	1497	21.52	cps
Thallium	203-1	808	575	558	647	21.60	cps
Tin	118-1	708	533	458	567	22.64	cps
Titanium	47-1	1475	1158	1267	1300	12.38	cps
Uranium	238-1	650	517	325	497	32.86	cps
Vanadium	51-1	1650	1267	1300	1406	15.11	cps
Yttrium	89-1	5369356	5309237	5390708	5356434	0.79	cps
Yttrium	89-2	746825	755341	757460	753209	0.75	cps
Zinc	66-1	733	700	767	733	4.55	cps
Zirconium	91-1	133	167	92	131	28.78	cps
Zirconium	90-1	958	817	558	778	26.08	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:19:23	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	106589	104231	103645	104822	1.49	cps
Antimony	121-1	8670	8069	7953	8230	4.68	cps
Arsenic	75-1	1307	1440	1370	1372	4.86	cps
Barium	135-1	8678	8470	8094	8414	3.52	cps
Barium	137-1	13958	15067	15376	14800	5.04	cps
Beryllium	9-1	610	630	622	621	1.62	cps
Bismuth	209-1	2107366	2064673	2117138	2096392	1.33	cps
Bismuth	209-2	1346160	1328083	1362653	1345632	1.28	cps
Boron	11-1	12219	12593	13025	12612	3.20	cps
Boron	10-1	2376	2554	2532	2487	3.90	cps
Bromine	81-1	3117	3259	3267	3214	2.62	cps
Cadmium	106-1	950	1300	1108	1120	15.66	cps
Cadmium	108-1	50	100	71	74	34.12	cps
Cadmium	111-1	1634	1778	1668	1693	4.43	cps
Calcium	43-1	5651	5743	6060	5818	3.68	cps
Calcium	44-1	144647	144496	144891	144678	0.14	cps
Chromium	52-1	27919	26976	26851	27249	2.14	cps
Cobalt	59-1	9220	8920	8986	9042	1.74	cps
Copper	63-1	11030	11021	11088	11046	0.33	cps
Dysprosium	156-1	67	58	75	67	12.49	cps
Erbium	164-1	17	17	0	11	86.60	cps
Gadolinium	160-1	17	67	0	28	124.89	cps
Holmium	165-1	3688703	3670638	3758729	3706023	1.26	cps
Holmium	165-2	2094796	2053136	2023646	2057193	1.74	cps
Indium	115-1	3889510	3797026	3860463	3849000	1.23	cps
Indium	115-2	756723	749018	757847	754529	0.64	cps
Iron	54-1	287485	282758	286109	285451	0.85	cps
Iron	56-1	3445963	3382613	3418275	3415617	0.93	cps
Iron	57-1	52313	54254	53718	53429	1.88	cps
Krypton	83-1	1023	917	1047	996	6.96	cps
Lead	206-1	2067	2272	2134	2158	4.86	cps
Lead	207-1	1939	1817	1972	1909	4.29	cps
Lead	208-1	8262	8462	8412	8379	1.24	cps
Lithium	6-1	700182	695939	704878	700333	0.64	cps
Magnesium	24-1	1856475	1894703	1892463	1881214	1.14	cps
Manganese	55-1	30600	30658	30124	30461	0.96	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:19:23	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	7986	8028	8753	8255	5.23	cps
Molybdenum	95-1	10579	10054	9745	10126	4.16	cps
Molybdenum	96-1	11872	11814	11213	11633	3.14	cps
Molybdenum	97-1	6485	6860	6302	6549	4.35	cps
Molybdenum	98-1	16869	16368	17269	16836	2.68	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Nickel	60-1	2392	2767	2317	2492	9.68	cps
Phosphorus	31-1	43232	43925	42747	43301	1.37	cps
Potassium	39-1	7549832	7480508	7534632	7521657	0.48	cps
Rhodium	103-1	3835471	3790879	3764172	3796841	0.95	cps
Rhodium	103-2	1974812	1953460	2003551	1977274	1.27	cps
Scandium	45-1	2481878	2538649	2589018	2536515	2.11	cps
Scandium	45-2	106773	106369	107303	106815	0.44	cps
Selenium	82-1	298	440	274	337	26.60	cps
Selenium	77-1	325	350	300	325	7.69	cps
Selenium	78-1	70133	68074	67479	68562	2.03	cps
Silicon	28-1	653634	654369	657705	655236	0.33	cps
Silver	109-1	4659	4701	4709	4690	0.57	cps
Silver	107-1	5159	5343	4868	5123	4.68	cps
Sodium	23-1	3433096	3488342	3466856	3462764	0.80	cps
Strontium	86-1	2859	2450	3017	2775	10.54	cps
Strontium	88-1	11288	11338	10855	11160	2.38	cps
Sulfur	34-1	409567	410989	415628	412061	0.77	cps
Terbium	159-1	3944845	3910622	3967546	3941005	0.73	cps
Terbium	159-2	2038811	2021835	2062204	2040950	0.99	cps
Thallium	205-1	5835	5927	6468	6077	5.64	cps
Thallium	203-1	2600	2492	2692	2595	3.86	cps
Tin	118-1	15693	14566	15576	15278	4.05	cps
Titanium	47-1	3984	3659	3984	3876	4.84	cps
Uranium	238-1	6660	6402	6393	6485	2.34	cps
Vanadium	51-1	42447	43809	43242	43166	1.59	cps
Yttrium	89-1	5362750	5361323	5425411	5383162	0.68	cps
Yttrium	89-2	760986	744937	753589	753171	1.07	cps
Zinc	66-1	3092	2892	3392	3125	8.05	cps
Zirconium	91-1	1533	1367	1567	1489	7.20	cps
Zirconium	90-1	7069	7002	7044	7038	0.48	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WS	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:23:44	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	3436005	3468150	3458521	3454225	0.48	cps
Antimony	121-1	70549	69929	69569	70016	0.71	cps
Arsenic	75-1	41040	42484	41434	41653	1.79	cps
Barium	135-1	1769669	1791430	1758622	1773240	0.94	cps
Barium	137-1	3057675	3025160	3036904	3039913	0.54	cps
Beryllium	9-1	2356	2334	2202	2297	3.63	cps
Bismuth	209-1	2094316	2125258	2102198	2107257	0.76	cps
Bismuth	209-2	1341731	1333259	1340685	1338558	0.35	cps
Boron	11-1	225027	276683	308767	270159	15.64	cps
Boron	10-1	45092	55772	62176	54347	15.88	cps
Bromine	81-1	3084	3142	3109	3112	0.94	cps
Cadmium	106-1	2342	2084	1992	2139	8.49	cps
Cadmium	108-1	921	921	1013	951	5.56	cps
Cadmium	111-1	13788	13945	13779	13838	0.67	cps
Calcium	43-1	458	500	608	522	14.83	cps
Calcium	44-1	53801	53492	52639	53311	1.13	cps
Chromium	52-1	228745	232292	228309	229782	0.95	cps
Cobalt	59-1	575	467	383	475	20.23	cps
Copper	63-1	1130264	1136271	1126172	1130902	0.45	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Erbium	164-1	8	17	25	17	50.01	cps
Gadolinium	160-1	25	17	42	28	45.82	cps
Holmium	165-1	3725931	3670260	3723974	3706722	0.85	cps
Holmium	165-2	2054547	2002375	2029221	2028714	1.29	cps
Indium	115-1	3837707	3780252	3785553	3801170	0.84	cps
Indium	115-2	750318	745792	747818	747976	0.30	cps
Iron	54-1	471035	473138	471704	471959	0.23	cps
Iron	56-1	6246303	6348447	6300639	6298463	0.81	cps
Iron	57-1	127743	126609	126768	127040	0.48	cps
Krypton	83-1	1097	873	970	980	11.43	cps
Lead	206-1	82678	83372	83697	83249	0.62	cps
Lead	207-1	73670	71195	73429	72765	1.88	cps
Lead	208-1	333554	329077	327751	330127	0.92	cps
Lithium	6-1	713378	709072	717931	713461	0.62	cps
Magnesium	24-1	11388	10671	10904	10988	3.33	cps
Manganese	55-1	5489201	5673345	5673417	5611988	1.89	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WS	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:23:44	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	76997	78547	76670	77405	1.30	cps
Molybdenum	95-1	135244	133798	135506	134850	0.68	cps
Molybdenum	96-1	143207	142956	143730	143298	0.28	cps
Molybdenum	97-1	82746	84096	82889	83244	0.89	cps
Molybdenum	98-1	217951	216377	218883	217737	0.58	cps
Neodymium	150-1	33	80	40	51	49.39	cps
Nickel	60-1	710753	710213	713768	711578	0.27	cps
Phosphorus	31-1	27852	29130	28328	28437	2.27	cps
Potassium	39-1	4555256	4567210	4530019	4550829	0.42	cps
Rhodium	103-1	3784923	3781446	3711950	3759440	1.09	cps
Rhodium	103-2	1996503	1994153	1974505	1988387	0.61	cps
Scandium	45-1	2496547	2514524	2557572	2522881	1.24	cps
Scandium	45-2	105702	105148	104523	105124	0.56	cps
Selenium	82-1	4734	5019	5028	4927	3.39	cps
Selenium	77-1	3876	3992	3592	3820	5.39	cps
Selenium	78-1	79072	78645	80782	79500	1.42	cps
Silicon	28-1	876873	874906	884297	878692	0.56	cps
Silver	109-1	1009384	1009861	1008073	1009106	0.09	cps
Silver	107-1	1067977	1070682	1051384	1063347	0.98	cps
Sodium	23-1	1023960	1034350	1007864	1022058	1.31	cps
Strontium	86-1	1558	1633	1675	1622	3.65	cps
Strontium	88-1	500	417	408	442	11.48	cps
Sulfur	34-1	409567	417958	416296	414607	1.07	cps
Terbium	159-1	4005047	3949486	3949624	3968052	0.81	cps
Terbium	159-2	2103655	2046337	1990635	2046876	2.76	cps
Thallium	205-1	44359	44979	44594	44644	0.70	cps
Thallium	203-1	18472	19757	19348	19192	3.42	cps
Tin	118-1	292	267	208	256	16.73	cps
Titanium	47-1	975	1050	892	972	8.15	cps
Uranium	238-1	0	0	0	0	0.00	cps
Vanadium	51-1	2727889	2727601	2718781	2724757	0.19	cps
Yttrium	89-1	5333257	5187667	5258640	5259855	1.38	cps
Yttrium	89-2	749544	750851	753479	751291	0.27	cps
Zinc	66-1	1932252	1966082	1905229	1934521	1.58	cps
Zirconium	91-1	142	167	225	178	24.06	cps
Zirconium	90-1	733	958	883	858	13.35	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:26:35	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	3487027	3452827	3469774	3469876	0.49	cps
Antimony	121-1	69669	69786	69619	69691	0.12	cps
Arsenic	75-1	41996	41628	40983	41536	1.23	cps
Barium	135-1	1744073	1726581	1739495	1736716	0.52	cps
Barium	137-1	3028939	3010193	3020182	3019771	0.31	cps
Beryllium	9-1	2292	2168	2334	2264	3.81	cps
Bismuth	209-1	2079704	2050929	2126233	2085622	1.82	cps
Bismuth	209-2	1347903	1335219	1341818	1341646	0.47	cps
Boron	11-1	273452	319962	342641	312019	11.30	cps
Boron	10-1	54138	64435	69328	62634	12.38	cps
Bromine	81-1	3042	2750	3009	2934	5.44	cps
Cadmium	106-1	2259	2334	2367	2320	2.39	cps
Cadmium	108-1	963	904	963	943	3.57	cps
Cadmium	111-1	13780	14391	13914	14028	2.29	cps
Calcium	43-1	583	517	667	589	12.76	cps
Calcium	44-1	53885	54855	54420	54387	0.89	cps
Chromium	52-1	227497	230596	228192	228762	0.71	cps
Cobalt	59-1	467	300	508	425	25.94	cps
Copper	63-1	1119225	1123292	1106499	1116339	0.78	cps
Dysprosium	156-1	17	33	8	19	65.47	cps
Erbium	164-1	0	17	8	8	100.02	cps
Gadolinium	160-1	67	33	75	58	37.80	cps
Holmium	165-1	3715937	3685852	3673815	3691868	0.59	cps
Holmium	165-2	2066316	2002414	2035730	2034820	1.57	cps
Indium	115-1	3873833	3723889	3815490	3804404	1.99	cps
Indium	115-2	745848	753023	745041	747971	0.59	cps
Iron	54-1	479173	489816	482637	483875	1.12	cps
Iron	56-1	6453870	6509896	6347002	6436923	1.29	cps
Iron	57-1	132209	132462	131031	131901	0.58	cps
Krypton	83-1	947	1010	1050	1002	5.20	cps
Lead	206-1	82948	82427	82528	82634	0.33	cps
Lead	207-1	72575	72826	72022	72474	0.57	cps
Lead	208-1	330429	328396	327922	328916	0.41	cps
Lithium	6-1	713274	710082	716741	713366	0.47	cps
Magnesium	24-1	11321	12089	11880	11763	3.37	cps
Manganese	55-1	5578976	5622642	5506136	5569251	1.06	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:26:35	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	77198	76855	75597	76550	1.10	cps
Molybdenum	95-1	135440	134656	133545	134547	0.71	cps
Molybdenum	96-1	142382	143638	145178	143733	0.97	cps
Molybdenum	97-1	83065	81933	83619	82872	1.04	cps
Molybdenum	98-1	213137	215513	213942	214197	0.56	cps
Neodymium	150-1	80	100	67	82	20.40	cps
Nickel	60-1	717875	704357	702393	708208	1.19	cps
Phosphorus	31-1	30499	31042	30224	30588	1.36	cps
Potassium	39-1	4493193	4524062	4569674	4528976	0.85	cps
Rhodium	103-1	3772962	3714316	3788465	3758581	1.04	cps
Rhodium	103-2	2005585	1958197	1962038	1975274	1.33	cps
Scandium	45-1	2529274	2553705	2498934	2527304	1.09	cps
Scandium	45-2	106585	104882	105279	105582	0.84	cps
Selenium	82-1	5032	4892	4825	4917	2.15	cps
Selenium	77-1	3834	4126	3609	3856	6.72	cps
Selenium	78-1	80229	78284	80673	79729	1.59	cps
Silicon	28-1	730122	727632	723870	727208	0.43	cps
Silver	109-1	1006666	999459	996275	1000800	0.53	cps
Silver	107-1	1066377	1045980	1058295	1056884	0.97	cps
Sodium	23-1	987036	1006566	981569	991724	1.33	cps
Strontium	86-1	1417	1633	1692	1581	9.17	cps
Strontium	88-1	533	550	642	575	10.14	cps
Sulfur	34-1	412942	418001	416949	415964	0.64	cps
Terbium	159-1	3846092	3951625	3881108	3892941	1.38	cps
Terbium	159-2	2022022	2034471	2024761	2027085	0.32	cps
Thallium	205-1	45338	43774	45213	44775	1.94	cps
Thallium	203-1	18973	19173	18873	19006	0.80	cps
Tin	118-1	192	200	233	208	10.58	cps
Titanium	47-1	1025	1058	917	1000	7.41	cps
Uranium	238-1	8	8	8	8	0.00	cps
Vanadium	51-1	2731346	2729494	2740729	2733856	0.22	cps
Yttrium	89-1	5188582	5271495	5254035	5238037	0.83	cps
Yttrium	89-2	747070	740881	748380	745444	0.54	cps
Zinc	66-1	1892061	1955788	1897535	1915128	1.84	cps
Zirconium	91-1	108	108	133	117	12.37	cps
Zirconium	90-1	433	458	425	439	3.95	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE2	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:29:23	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	3455263	3453713	3456505	3455160	0.04	cps
Antimony	121-1	71336	69091	69971	70133	1.61	cps
Arsenic	75-1	41431	41130	40856	41139	0.70	cps
Barium	135-1	1754985	1720787	1751906	1742559	1.09	cps
Barium	137-1	2997706	2989742	2979179	2988876	0.31	cps
Beryllium	9-1	2350	2340	2332	2340	0.39	cps
Bismuth	209-1	2103453	2116165	2074237	2097952	1.02	cps
Bismuth	209-2	1339807	1333468	1338152	1337142	0.25	cps
Boron	11-1	286694	333983	363433	328037	11.80	cps
Boron	10-1	57067	67552	72307	65642	11.88	cps
Bromine	81-1	3234	3084	3559	3292	7.38	cps
Cadmium	106-1	2600	2150	2275	2342	9.92	cps
Cadmium	108-1	929	913	967	936	2.96	cps
Cadmium	111-1	14209	14031	13718	13986	1.78	cps
Calcium	43-1	408	592	642	547	22.45	cps
Calcium	44-1	53509	53927	53357	53598	0.55	cps
Chromium	52-1	227864	228530	229380	228591	0.33	cps
Cobalt	59-1	417	467	417	433	6.66	cps
Copper	63-1	1107973	1116090	1119862	1114642	0.55	cps
Dysprosium	156-1	67	33	42	47	36.74	cps
Erbium	164-1	33	0	8	14	124.91	cps
Gadolinium	160-1	42	50	33	42	20.00	cps
Holmium	165-1	3703745	3675326	3601677	3660249	1.44	cps
Holmium	165-2	2035489	1971742	2018123	2008451	1.64	cps
Indium	115-1	3825100	3786473	3805931	3805834	0.51	cps
Indium	115-2	749562	740173	743253	744329	0.64	cps
Iron	54-1	471021	470168	476013	472401	0.67	cps
Iron	56-1	6208316	6173161	6292594	6224691	0.99	cps
Iron	57-1	125659	125701	126088	125816	0.19	cps
Krypton	83-1	1057	1203	1120	1127	6.53	cps
Lead	206-1	82919	81336	83249	82501	1.24	cps
Lead	207-1	73072	71183	71848	72034	1.33	cps
Lead	208-1	332579	326934	327310	328941	0.96	cps
Lithium	6-1	715079	712584	710606	712756	0.31	cps
Magnesium	24-1	11855	10963	11805	11541	4.34	cps
Manganese	55-1	5492626	5453453	5654676	5533585	1.93	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	L1134-04RE2	Instrumnet Name :	P8
Client Sample ID :	PT-TM-WSRE2	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:29:23	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	76761	76988	74961	76237	1.46	cps
Molybdenum	95-1	134277	137476	132185	134646	1.98	cps
Molybdenum	96-1	141187	143067	144772	143009	1.25	cps
Molybdenum	97-1	82789	82855	82285	82643	0.38	cps
Molybdenum	98-1	213975	213787	210516	212759	0.91	cps
Neodymium	150-1	20	53	60	44	48.22	cps
Nickel	60-1	707631	702886	721652	710723	1.37	cps
Phosphorus	31-1	29355	28011	28571	28646	2.36	cps
Potassium	39-1	4559128	4584991	4523945	4556021	0.67	cps
Rhodium	103-1	3762804	3723975	3690846	3725875	0.97	cps
Rhodium	103-2	1967471	1940087	1934118	1947225	0.91	cps
Scandium	45-1	2502308	2529740	2506202	2512750	0.59	cps
Scandium	45-2	106847	104934	105144	105642	0.99	cps
Selenium	82-1	4974	4805	4721	4833	2.67	cps
Selenium	77-1	3984	4059	4084	4042	1.29	cps
Selenium	78-1	80279	80153	79073	79835	0.83	cps
Silicon	28-1	726075	722379	719733	722729	0.44	cps
Silver	109-1	1010279	1005372	987416	1001022	1.20	cps
Silver	107-1	1056778	1059615	1047610	1054668	0.59	cps
Sodium	23-1	975251	992227	973739	980406	1.05	cps
Strontium	86-1	1583	1392	1592	1522	7.43	cps
Strontium	88-1	400	367	542	436	21.31	cps
Sulfur	34-1	414606	417641	415650	415966	0.37	cps
Terbium	159-1	3950107	3921352	3896426	3922628	0.68	cps
Terbium	159-2	1999110	2012189	2009613	2006970	0.35	cps
Thallium	205-1	44519	46308	44226	45018	2.50	cps
Thallium	203-1	19407	19540	18630	19192	2.56	cps
Tin	118-1	242	217	233	231	5.52	cps
Titanium	47-1	900	925	925	917	1.58	cps
Uranium	238-1	25	8	17	17	50.01	cps
Vanadium	51-1	2743938	2803486	2747889	2765104	1.20	cps
Yttrium	89-1	5348267	5255539	5288009	5297272	0.89	cps
Yttrium	89-2	746698	739704	749806	745403	0.69	cps
Zinc	66-1	1909936	1933668	1924025	1922543	0.62	cps
Zirconium	91-1	100	117	92	103	12.39	cps
Zirconium	90-1	392	483	533	469	15.31	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	PB126564BL	Instrumnet Name :	P8
Client Sample ID :	PB126564BL	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:32:14	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	7060	7219	6785	7021	3.12	cps
Antimony	121-1	92	33	75	67	45.07	cps
Arsenic	75-1	83	113	133	110	22.88	cps
Barium	135-1	150	150	150	150	0.00	cps
Barium	137-1	283	342	258	294	14.52	cps
Beryllium	9-1	40	38	34	37	8.19	cps
Bismuth	209-1	2082626	2065362	2074674	2074221	0.42	cps
Bismuth	209-2	1355679	1317854	1328050	1333861	1.47	cps
Boron	11-1	76273	70712	65564	70850	7.56	cps
Boron	10-1	15423	14294	13478	14398	6.78	cps
Bromine	81-1	2675	2934	2817	2809	4.61	cps
Cadmium	106-1	1050	1033	1075	1053	1.99	cps
Cadmium	108-1	25	0	8	11	114.58	cps
Cadmium	111-1	730	728	780	746	3.97	cps
Calcium	43-1	408	567	500	492	16.17	cps
Calcium	44-1	52438	51342	52187	51989	1.10	cps
Chromium	52-1	13457	12856	13657	13323	3.13	cps
Cobalt	59-1	575	575	667	606	8.74	cps
Copper	63-1	1700	1833	1667	1733	5.09	cps
Dysprosium	156-1	150	108	117	125	17.64	cps
Erbium	164-1	42	25	17	28	45.82	cps
Gadolinium	160-1	8	50	25	28	75.51	cps
Holmium	165-1	3581191	3626799	3603239	3603743	0.63	cps
Holmium	165-2	2054799	2009286	2027549	2030545	1.13	cps
Indium	115-1	3806152	3683795	3707016	3732321	1.74	cps
Indium	115-2	752769	737988	730589	740448	1.53	cps
Iron	54-1	259545	262318	257354	259739	0.96	cps
Iron	56-1	2845230	2875952	2887535	2869572	0.76	cps
Iron	57-1	42790	44303	42740	43278	2.05	cps
Krypton	83-1	927	980	1010	972	4.34	cps
Lead	206-1	150	172	139	154	11.04	cps
Lead	207-1	106	111	122	113	7.51	cps
Lead	208-1	522	428	506	485	10.39	cps
Lithium	6-1	702656	698894	703531	701694	0.35	cps
Magnesium	24-1	11863	11171	10888	11307	4.44	cps
Manganese	55-1	21099	20899	20957	20985	0.49	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	PB126564BL	Instrumnet Name :	P8
Client Sample ID :	PB126564BL	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:32:14	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	150	125	92	122	23.94	cps
Molybdenum	95-1	42	58	50	50	16.67	cps
Molybdenum	96-1	58	183	117	119	52.37	cps
Molybdenum	97-1	25	33	42	33	25.01	cps
Molybdenum	98-1	125	100	50	92	41.66	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Nickel	60-1	600	617	492	569	11.92	cps
Phosphorus	31-1	29522	29865	28988	29458	1.50	cps
Potassium	39-1	4482986	4485306	4493271	4487188	0.12	cps
Rhodium	103-1	3614090	3629689	3705688	3649822	1.34	cps
Rhodium	103-2	1972099	1915290	1944910	1944100	1.46	cps
Scandium	45-1	2496254	2547370	2490079	2511235	1.25	cps
Scandium	45-2	105104	104466	102586	104052	1.26	cps
Selenium	82-1	-21	26	-69	-21	-225.05	cps
Selenium	77-1	25	58	67	50	44.10	cps
Selenium	78-1	69731	67922	67102	68252	1.97	cps
Silicon	28-1	626845	624638	621156	624213	0.46	cps
Silver	109-1	117	83	108	103	16.88	cps
Silver	107-1	150	142	158	150	5.56	cps
Sodium	23-1	911578	904160	901980	905906	0.56	cps
Strontium	86-1	1517	1525	1475	1506	1.78	cps
Strontium	88-1	117	100	142	119	17.56	cps
Sulfur	34-1	411512	416682	414423	414206	0.63	cps
Terbium	159-1	3832896	3913813	3925733	3890814	1.30	cps
Terbium	159-2	2069089	1994764	1959953	2007935	2.78	cps
Thallium	205-1	242	167	242	217	19.99	cps
Thallium	203-1	117	108	100	108	7.69	cps
Tin	118-1	233	225	317	258	19.62	cps
Titanium	47-1	975	1208	1008	1064	11.86	cps
Uranium	238-1	0	25	25	17	86.60	cps
Vanadium	51-1	792	708	917	806	13.02	cps
Yttrium	89-1	5097808	5186954	5198056	5160939	1.06	cps
Yttrium	89-2	746740	732701	727471	735638	1.35	cps
Zinc	66-1	725	642	683	683	6.10	cps
Zirconium	91-1	25	67	33	42	52.92	cps
Zirconium	90-1	225	308	225	253	19.03	cps

LB Number : LB107703 Operator : ICPMS
 Lab Sample ID : PB126564BS Instrumnet Name : P8
 Client Sample ID : PB126564BS Dilution Factor : 1
 Date & Time Acquired :: 2020-02-07 16:35:03 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	49071031	49529492	48657020	49085848	0.89	cps
Antimony	121-1	2116663	2135230	2121069	2124321	0.46	cps
Arsenic	75-1	618270	614946	619220	617479	0.36	cps
Barium	135-1	2136076	2196989	2230105	2187724	2.18	cps
Barium	137-1	3614891	3652552	3725412	3664285	1.53	cps
Beryllium	9-1	301347	307772	307192	305437	1.16	cps
Bismuth	209-1	2175935	2121940	2160320	2152732	1.29	cps
Bismuth	209-2	1387942	1399866	1387169	1391659	0.51	cps
Boron	11-1	127197	141841	151742	140260	8.80	cps
Boron	10-1	25315	28917	30624	28285	9.58	cps
Bromine	81-1	3417	3209	3167	3264	4.10	cps
Cadmium	106-1	50309	50493	51639	50814	1.42	cps
Cadmium	108-1	33996	34577	33963	34178	1.01	cps
Cadmium	111-1	482742	491639	490746	488376	1.00	cps
Calcium	43-1	570014	564251	566212	566826	0.52	cps
Calcium	44-1	9131706	8995793	9120128	9082542	0.83	cps
Chromium	52-1	3590473	3548144	3629197	3589271	1.13	cps
Cobalt	59-1	4150260	4196216	4229983	4192153	0.95	cps
Copper	63-1	4502176	4520852	4733169	4585399	2.80	cps
Dysprosium	156-1	100	125	92	106	16.43	cps
Erbium	164-1	25	25	42	31	31.50	cps
Gadolinium	160-1	42	58	75	58	28.57	cps
Holmium	165-1	3843180	3772381	3874071	3829877	1.36	cps
Holmium	165-2	2136408	2176118	2143729	2152085	0.98	cps
Indium	115-1	3874508	3891735	3974581	3913608	1.37	cps
Indium	115-2	772327	775680	770902	772970	0.32	cps
Iron	54-1	12149782	12180290	12440451	12256841	1.30	cps
Iron	56-1	204720925	202094705	207465534	204760388	1.31	cps
Iron	57-1	4926540	5018006	4975643	4973396	0.92	cps
Krypton	83-1	973	980	1030	994	3.11	cps
Lead	206-1	986158	1000119	984913	990397	0.85	cps
Lead	207-1	865047	874083	861535	866888	0.75	cps
Lead	208-1	4014263	4056581	3978019	4016288	0.98	cps
Lithium	6-1	730759	740550	743431	738247	0.90	cps
Magnesium	24-1	189111258	188765550	185235954	187704254	1.14	cps
Manganese	55-1	9355642	9336179	9606441	9432754	1.60	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	PB126564BS	Instrumnet Name :	P8
Client Sample ID :	PB126564BS	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:35:03	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	4026962	4176830	4057214	4087002	1.94	cps
Molybdenum	95-1	5054944	5209905	5037666	5100838	1.86	cps
Molybdenum	96-1	5592852	5718427	5583292	5631524	1.34	cps
Molybdenum	97-1	3139367	3158412	3165323	3154367	0.43	cps
Molybdenum	98-1	8155573	8192407	8072270	8140084	0.76	cps
Neodymium	150-1	120	67	67	84	36.46	cps
Nickel	60-1	945529	951382	964653	953854	1.03	cps
Phosphorus	31-1	2643546	2705221	2671875	2673547	1.15	cps
Potassium	39-1	156042158	154956383	158023774	156340772	0.99	cps
Rhodium	103-1	3841958	3805802	3897014	3848258	1.19	cps
Rhodium	103-2	1998884	2039985	1966545	2001805	1.84	cps
Scandium	45-1	2666700	2611889	2716470	2665020	1.96	cps
Scandium	45-2	110649	111397	112076	111374	0.64	cps
Selenium	82-1	32472	32434	32463	32456	0.06	cps
Selenium	77-1	25165	25732	26217	25705	2.05	cps
Selenium	78-1	148031	146534	149110	147892	0.87	cps
Silicon	28-1	1622630	1625894	1644772	1631098	0.73	cps
Silver	109-1	2352786	2409649	2417101	2393179	1.47	cps
Silver	107-1	2475818	2497679	2496626	2490041	0.50	cps
Sodium	23-1	256578997	260837448	260433447	259283297	0.91	cps
Strontium	86-1	641103	653880	654887	649957	1.18	cps
Strontium	88-1	5393491	5452769	5474792	5440351	0.77	cps
Sulfur	34-1	579523	571481	573637	574881	0.72	cps
Terbium	159-1	4007186	4069008	4005754	4027316	0.90	cps
Terbium	159-2	2122962	2180895	2109167	2137675	1.78	cps
Thallium	205-1	2880505	2940886	2918107	2913166	1.05	cps
Thallium	203-1	1233764	1237366	1238483	1236538	0.20	cps
Tin	118-1	1523871	1526886	1515303	1522020	0.39	cps
Titanium	47-1	1458387	1451456	1497633	1469158	1.69	cps
Uranium	238-1	3440497	3472349	3424807	3445884	0.70	cps
Vanadium	51-1	4080339	4062794	4177979	4107037	1.51	cps
Yttrium	89-1	5515845	5385343	5516667	5472618	1.38	cps
Yttrium	89-2	792214	785517	778234	785321	0.89	cps
Zinc	66-1	1204419	1194115	1216576	1205036	0.93	cps
Zirconium	91-1	758762	760543	757264	758856	0.22	cps
Zirconium	90-1	3398203	3395080	3418842	3404042	0.38	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV13	Instrumnet Name :	P8
Client Sample ID :	CCV13	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:37:53	DataFile Name :	025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	247810897	259068489	260056664	255645350	2.66	cps
Antimony	121-1	2057217	2067617	2092547	2072460	0.88	cps
Arsenic	75-1	596370	599848	597627	597948	0.29	cps
Barium	135-1	2048273	2081294	2071275	2066947	0.82	cps
Barium	137-1	3520753	3634768	3547768	3567763	1.67	cps
Beryllium	9-1	301063	305005	302656	302908	0.65	cps
Bismuth	209-1	2095147	2120804	2150003	2121985	1.29	cps
Bismuth	209-2	1350404	1368613	1362167	1360395	0.68	cps
Boron	11-1	143228	158543	164641	155470	7.10	cps
Boron	10-1	28780	32139	32978	31299	7.10	cps
Bromine	81-1	3050	3317	3300	3223	4.64	cps
Cadmium	106-1	47574	48427	47641	47881	0.99	cps
Cadmium	108-1	32827	33127	33382	33112	0.84	cps
Cadmium	111-1	457940	461446	454083	457823	0.80	cps
Calcium	43-1	2609015	2656640	2689938	2651865	1.53	cps
Calcium	44-1	42894643	43130875	42693856	42906458	0.51	cps
Chromium	52-1	3520232	3603812	3664985	3596343	2.02	cps
Cobalt	59-1	3986663	4059959	4114075	4053566	1.58	cps
Copper	63-1	4276537	4432184	4386607	4365110	1.83	cps
Dysprosium	156-1	150	133	125	136	9.36	cps
Erbium	164-1	33	42	33	36	13.33	cps
Gadolinium	160-1	192	100	108	133	38.02	cps
Holmium	165-1	3855389	3889886	3932163	3892479	0.99	cps
Holmium	165-2	2142535	2175580	2221358	2179824	1.82	cps
Indium	115-1	3977747	4040461	3943522	3987243	1.23	cps
Indium	115-2	781439	785491	787859	784930	0.41	cps
Iron	54-1	55904562	56827164	57283803	56671843	1.24	cps
Iron	56-1	952224655	973597322	967752988	964524988	1.15	cps
Iron	57-1	23204433	23710384	23565492	23493436	1.11	cps
Krypton	83-1	1030	927	1037	998	6.18	cps
Lead	206-1	957378	958629	954140	956716	0.24	cps
Lead	207-1	827800	836646	830127	831524	0.55	cps
Lead	208-1	3893952	3863335	3887705	3881664	0.42	cps
Lithium	6-1	751782	749255	743691	748243	0.55	cps
Magnesium	24-1	889650453	900198387	910490320	900113053	1.16	cps
Manganese	55-1	9170155	9436848	9432788	9346597	1.64	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCV13	Instrumnet Name :	P8
Client Sample ID :	CCV13	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:37:53	DataFile Name :	025CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	3904505	4111132	4039842	4018493	2.61	cps
Molybdenum	95-1	4989531	5082394	5097992	5056639	1.16	cps
Molybdenum	96-1	5565391	5512934	5567518	5548614	0.56	cps
Molybdenum	97-1	3004672	3133362	3139444	3092492	2.46	cps
Molybdenum	98-1	7819866	7993753	8023555	7945724	1.38	cps
Neodymium	150-1	73	87	80	80	8.33	cps
Nickel	60-1	907826	927288	922058	919057	1.10	cps
Phosphorus	31-1	2567052	2677983	2621375	2622137	2.12	cps
Potassium	39-1	740102750	758657017	750446333	749735367	1.24	cps
Rhodium	103-1	3711709	3836711	3829869	3792763	1.85	cps
Rhodium	103-2	1967696	1988472	2010223	1988797	1.07	cps
Scandium	45-1	2711855	2721671	2709562	2714363	0.24	cps
Scandium	45-2	109627	112009	113383	111673	1.70	cps
Selenium	82-1	31376	31697	31143	31406	0.89	cps
Selenium	77-1	23862	24614	23587	24021	2.21	cps
Selenium	78-1	145025	145909	145599	145511	0.31	cps
Silicon	28-1	1778599	1917027	1945738	1880455	4.75	cps
Silver	109-1	2258568	2283610	2285096	2275758	0.65	cps
Silver	107-1	2337203	2424748	2393586	2385179	1.86	cps
Sodium	23-1	1212453127	1221934027	1245760628	1226715927	1.40	cps
Strontium	86-1	631036	630329	628940	630102	0.17	cps
Strontium	88-1	5269367	5420377	5422270	5370671	1.63	cps
Sulfur	34-1	563260	575945	569694	569633	1.11	cps
Terbium	159-1	4156464	4146200	4207419	4170028	0.79	cps
Terbium	159-2	2151073	2190525	2154452	2165350	1.01	cps
Thallium	205-1	2827952	2873159	2845976	2849029	0.80	cps
Thallium	203-1	1190177	1200264	1195886	1195442	0.42	cps
Tin	118-1	1456756	1447931	1446556	1450414	0.38	cps
Titanium	47-1	1438161	1447557	1425999	1437239	0.75	cps
Uranium	238-1	3401976	3443553	3416057	3420529	0.62	cps
Vanadium	51-1	3988597	4021464	4032616	4014226	0.57	cps
Yttrium	89-1	5633988	5716079	5710264	5686777	0.81	cps
Yttrium	89-2	781269	793110	792138	788839	0.83	cps
Zinc	66-1	1147969	1164486	1146168	1152874	0.88	cps
Zirconium	91-1	720458	739107	727935	729167	1.29	cps
Zirconium	90-1	3263354	3333464	3321907	3306242	1.14	cps

LB Number : LB107703 Operator : ICPMS
 Lab Sample ID : CCB13 Instrumnet Name : P8
 Client Sample ID : CCB13 Dilution Factor : 1
 Date & Time Acquired :: 2020-02-07 16:41:46 DataFile Name : 026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-1	10237	10512	10863	10537	2.98	cps
Antimony	121-1	108	242	192	181	37.31	cps
Arsenic	75-1	97	103	90	97	6.89	cps
Barium	135-1	75	92	67	78	16.37	cps
Barium	137-1	100	167	125	131	25.80	cps
Beryllium	9-1	78	48	72	66	24.06	cps
Bismuth	209-1	2066487	2053563	2123954	2081335	1.80	cps
Bismuth	209-2	1327177	1348024	1350409	1341870	0.95	cps
Boron	11-1	30744	29536	28558	29612	3.70	cps
Boron	10-1	6200	6100	5534	5945	6.04	cps
Bromine	81-1	2784	2900	3000	2895	3.75	cps
Cadmium	106-1	1042	1050	1100	1064	2.97	cps
Cadmium	108-1	0	8	4	4	99.96	cps
Cadmium	111-1	792	783	825	800	2.78	cps
Calcium	43-1	458	542	483	494	8.65	cps
Calcium	44-1	52337	53031	52513	52627	0.69	cps
Chromium	52-1	12706	13940	13473	13373	4.66	cps
Cobalt	59-1	692	525	525	581	16.57	cps
Copper	63-1	2092	1917	1909	1972	5.25	cps
Dysprosium	156-1	25	17	17	19	24.73	cps
Erbium	164-1	25	25	17	22	21.64	cps
Gadolinium	160-1	25	8	17	17	50.01	cps
Holmium	165-1	3710700	3601093	3669333	3660375	1.51	cps
Holmium	165-2	2018354	2067700	2015540	2033865	1.44	cps
Indium	115-1	3693370	3723785	3788941	3735365	1.31	cps
Indium	115-2	752104	753250	740959	748771	0.91	cps
Iron	54-1	265697	267641	265042	266126	0.51	cps
Iron	56-1	2911916	2920827	3005293	2946012	1.75	cps
Iron	57-1	43191	42748	41770	42569	1.71	cps
Krypton	83-1	1050	1103	910	1021	9.78	cps
Lead	206-1	144	200	222	189	21.21	cps
Lead	207-1	133	189	211	178	22.53	cps
Lead	208-1	689	894	900	828	14.53	cps
Lithium	6-1	706234	700624	698203	701687	0.59	cps
Magnesium	24-1	19764	22368	24939	22357	11.57	cps
Manganese	55-1	21625	20482	20983	21030	2.73	cps

LB Number :	LB107703	Operator :	ICPMS
Lab Sample ID :	CCB13	Instrumnet Name :	P8
Client Sample ID :	CCB13	Dilution Factor :	1
Date & Time Acquired ::	2020-02-07 16:41:46	DataFile Name :	026CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Molybdenum	94-1	200	317	200	239	28.20	cps
Molybdenum	95-1	208	342	258	269	25.00	cps
Molybdenum	96-1	342	233	242	272	22.15	cps
Molybdenum	97-1	183	117	67	122	47.89	cps
Molybdenum	98-1	258	325	267	283	12.82	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Nickel	60-1	333	500	350	394	23.27	cps
Phosphorus	31-1	31694	31501	30975	31390	1.19	cps
Potassium	39-1	4693827	4699028	4677923	4690259	0.23	cps
Rhodium	103-1	3720643	3702597	3733296	3718846	0.41	cps
Rhodium	103-2	1962306	1957082	1952626	1957338	0.25	cps
Scandium	45-1	2472396	2488292	2532301	2497663	1.24	cps
Scandium	45-2	103989	107186	104768	105314	1.58	cps
Selenium	82-1	-119	-114	62	-57	-179.69	cps
Selenium	77-1	50	17	58	42	52.91	cps
Selenium	78-1	68819	67018	67956	67931	1.33	cps
Silicon	28-1	657091	655903	643719	652238	1.13	cps
Silver	109-1	142	150	158	150	5.56	cps
Silver	107-1	158	133	125	139	12.49	cps
Sodium	23-1	978311	975866	958922	971033	1.09	cps
Strontium	86-1	1567	1392	1658	1539	8.80	cps
Strontium	88-1	133	283	167	194	40.51	cps
Sulfur	34-1	421093	425813	425158	424021	0.60	cps
Terbium	159-1	3869499	3945466	3917833	3910933	0.98	cps
Terbium	159-2	2017257	2034277	2038237	2029924	0.55	cps
Thallium	205-1	1325	1175	1017	1172	13.15	cps
Thallium	203-1	500	533	542	525	4.20	cps
Tin	118-1	258	233	283	258	9.68	cps
Titanium	47-1	958	933	875	922	4.64	cps
Uranium	238-1	42	42	67	50	28.87	cps
Vanadium	51-1	658	592	600	617	5.89	cps
Yttrium	89-1	5360223	5112074	5258501	5243599	2.38	cps
Yttrium	89-2	739533	749834	731588	740318	1.24	cps
Zinc	66-1	642	775	550	656	17.26	cps
Zirconium	91-1	125	108	75	103	24.77	cps
Zirconium	90-1	317	350	292	319	9.16	cps