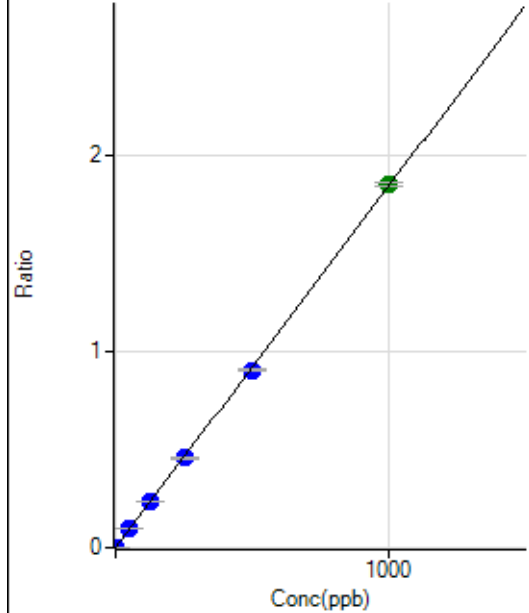


Batch Folder: D:\P8030419MS.b\
Analysis File: P8030419MS.batch.bin
DA Date-Time: 2019-03-04 15:09:12
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-03-04 13:27:14
2			
3	005CALS.d	S02	2019-03-04 13:34:48
4	006CALS.d	S03	2019-03-04 13:38:45
5	007CALS.d	S04	2019-03-04 13:42:39
6	008CALS.d	S05	2019-03-04 13:46:31
7	009CALS.d	S06	2019-03-04 13:50:17
8	010CALS.d	S07	2019-03-04 13:53:59
9	011CALS.d	S08	2019-03-04 13:57:32

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	123.34	0.0002	P	15.5
2	☐	0.100					
3	☐	1.000	0.904	1084.51	0.0019	P	3.4
4	☐	50.000	50.700	55226.58	0.0937	P	0.6
5	☐	125.000	126.990	137037.66	0.2343	P	1.0
6	☐	250.000	248.646	274509.24	0.4585	P	1.2
7	☐	500.000	491.986	544388.52	0.9070	P	1.0
8	☐	1000.000	1004.062	1094447.59	1.8509	A	1.1
9	☐			304.45	0.0005	P	12.4

$$y = 0.0018 * x + 2.1207E-004$$

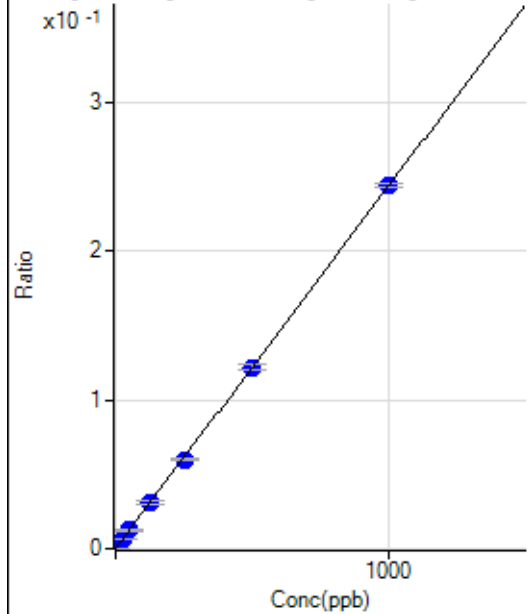
$$R = 0.9999$$

$$DL = 0.0535$$

$$BEC = 0.1151$$

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	91.67	0.0002	P	9.2
2	☐	2.500					
3	☐	25.000	24.946	3603.40	0.0062	P	1.0
4	☐	50.000	49.770	7246.59	0.0123	P	5.1
5	☐	125.000	126.423	18117.63	0.0310	P	4.7
6	☐	250.000	245.831	35971.18	0.0601	P	2.5
7	☐	500.000	500.583	73332.40	0.1222	P	2.4
8	☐	1000.000	1000.586	144320.28	0.2441	P	0.9
9	☐			2942.09	0.0050	P	1.0

$$y = 2.4377E-004 * x + 1.5756E-004$$

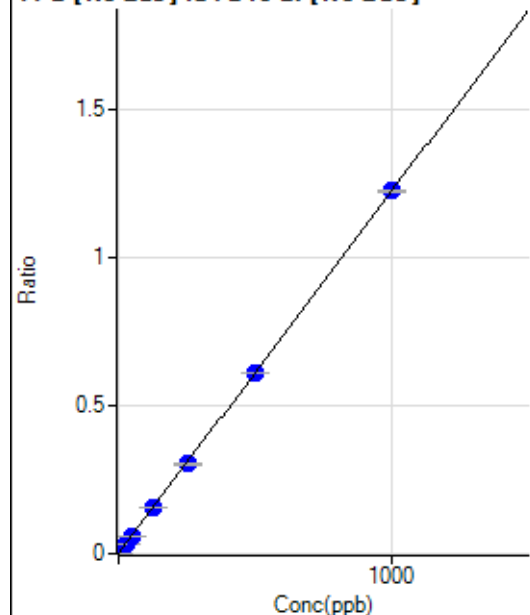
$$R = 1.0000$$

$$DL = 0.1784$$

$$BEC = 0.6463$$

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	611.15	0.0010	P	14.9
2	☐	2.500					
3	☐	25.000	23.980	17519.62	0.0303	P	1.6
4	☐	50.000	48.838	35784.87	0.0607	P	3.0
5	☐	125.000	125.355	90155.26	0.1541	P	1.3
6	☐	250.000	246.296	180687.33	0.3018	P	2.7
7	☐	500.000	498.966	366342.82	0.6104	P	0.6
8	☐	1000.000	1001.482	723777.71	1.2240	P	0.5
9	☐			14933.39	0.0253	P	5.5

$$y = 0.0012 * x + 0.0010$$

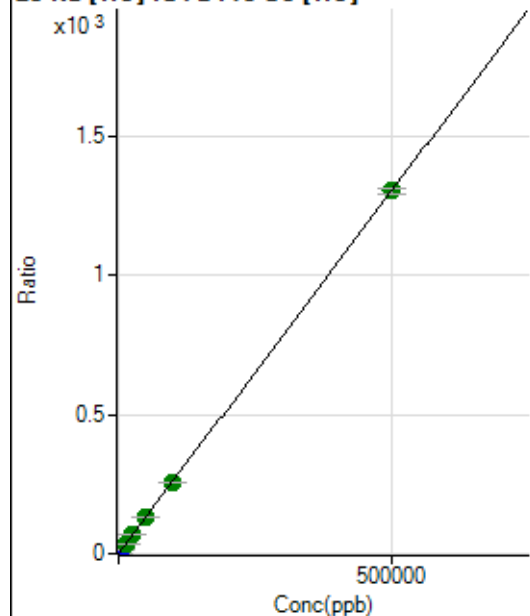
$$R = 1.0000$$

$$DL = 0.3839$$

$$BEC = 0.8597$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8369.53	0.2452	P	0.7
2	☐	50.000					
3	☐	500.000	474.516	51293.47	1.4814	P	1.3
4	☐	5000.000	5200.996	475767.96	13.7955	P	2.1
5	☐	12500.000	13233.730	1183324.22	34.7236	A	1.1
6	☐	25000.000	25691.901	2350848.17	67.1814	A	0.5
7	☐	50000.000	50740.228	4594024.49	132.4408	A	1.6
8	☐	100000.00	98686.725	9036610.27	257.3578	A	1.2
9	☐	500000.00	500133.70	46046941.31	1,303.264	A	1.3

$$y = 0.0026 * x + 0.2452$$

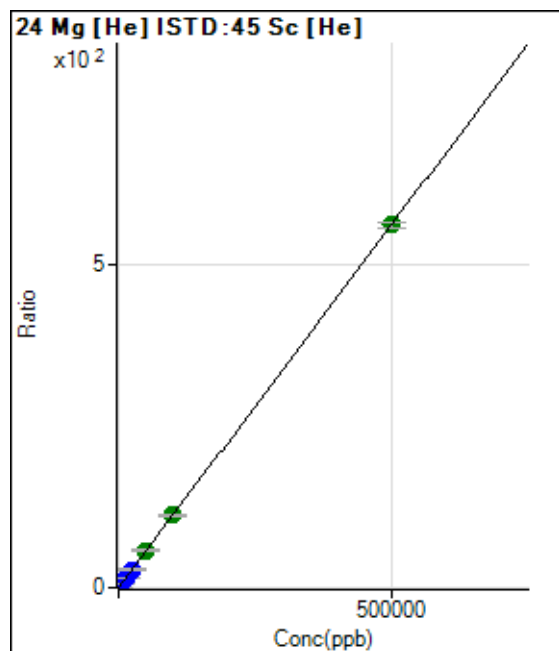
$$R = 1.0000$$

$$DL = 2.082$$

$$BEC = 94.1$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	466.70	0.0137	P	11.6
2	☐	50.000					
3	☐	500.000	505.318	20081.65	0.5800	P	3.6
4	☐	5000.000	5236.786	202870.35	5.8832	P	2.9
5	☐	12500.000	12953.285	495223.78	14.5320	P	1.2
6	☐	25000.000	25147.450	986764.93	28.1995	P	0.6
7	☐	50000.000	51627.902	2007625.04	57.8794	A	1.9
8	☐	100000.00	99442.854	3914165.62	111.4714	A	0.9
9	☐	500000.00	499927.56	19797243.33	560.3436	A	1.7

$$y = 0.0011 * x + 0.0137$$

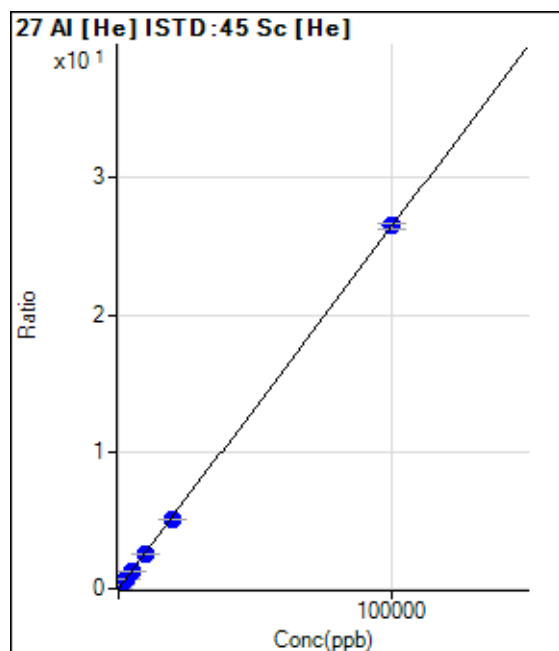
$$R = 1.0000$$

$$DL = 4.244$$

$$BEC = 12.2$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	50.85	0.0015	P	19.9
2	☐	2.000					
3	☐	20.000	18.677	222.56	0.0064	P	10.5
4	☐	1000.000	1011.600	9280.45	0.2691	P	2.1
5	☐	2500.000	2488.462	22481.78	0.6597	P	2.0
6	☐	5000.000	4814.401	44615.85	1.2750	P	0.6
7	☐	10000.000	9738.639	89411.88	2.5776	P	1.3
8	☐	20000.000	19188.745	178286.52	5.0774	P	0.7
9	☐	100000.00	100197.84	936496.12	26.5063	P	1.5

$$y = 2.6452E-004 * x + 0.0015$$

$$R = 1.0000$$

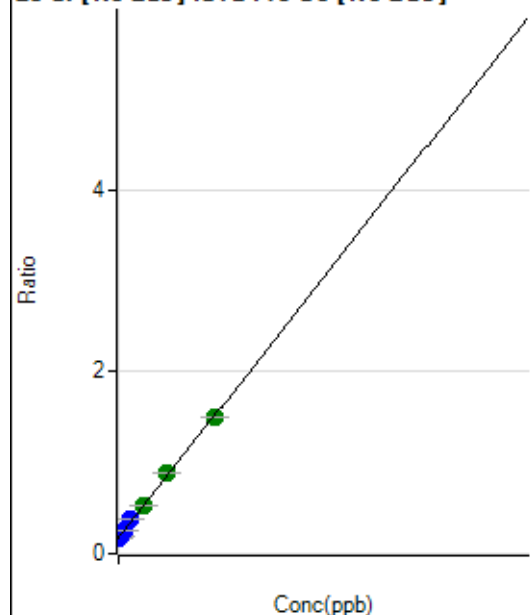
$$DL = 3.365$$

$$BEC = 5.627$$

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	426360.55	0.1749	P	1.2
2	☐	1.000					
3	☐	10.000	8.793	458992.57	0.1868	P	1.8
4	☐	50.000	62.084	648373.38	0.2588	P	3.7
5	☐	125.000	156.716	962625.67	0.3866	P	0.5
6	☐	250.000	265.163	1322920.40	0.5331	A	1.4
7	☐	500.000	531.860	2195346.30	0.8934	A	0.7
8	☐	1000.000	975.723	3700163.67	1.4930	A	0.1
9	☐			637945.22	0.2608	P	2.5

$$y = 0.0014 * x + 0.1749$$

$$R = 0.9987$$

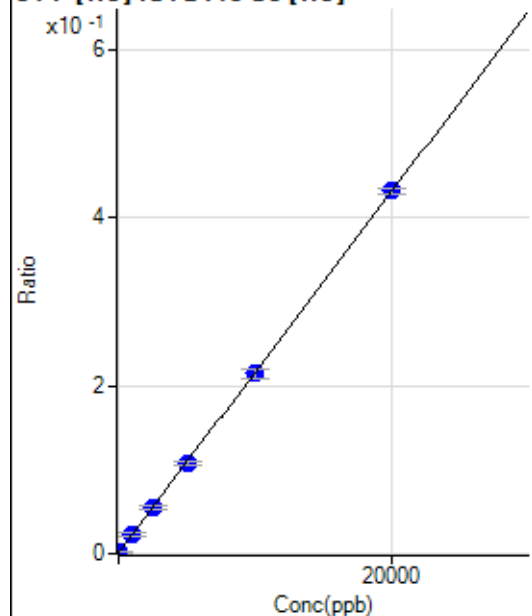
$$DL = 4.675$$

$$BEC = 129.5$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-37.255	8.33	0.0002	P	100.2
2	☐	0.000					
3	☐	0.000	37.255	63.89	0.0018	P	7.4
4	☐	1000.000	1031.879	800.06	0.0232	P	12.7
5	☐	2500.000	2492.788	1861.30	0.0546	P	6.0
6	☐	5000.000	4940.732	3753.45	0.1073	P	4.5
7	☐	10000.000	9938.494	7446.77	0.2147	P	5.2
8	☐	20000.000	20044.877	15169.78	0.4320	P	1.3
9	☐			13.89	0.0004	P	91.6

$$y = 2.1500E-005 * x + 0.0010$$

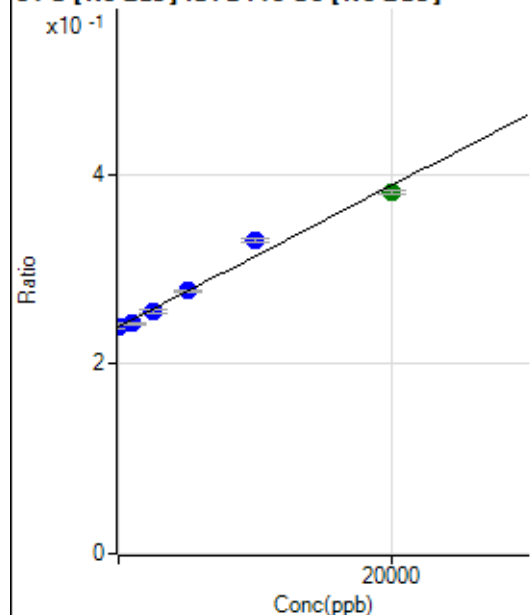
$$R = 1.0000$$

$$DL = 26.56$$

$$BEC = 48.57$$

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	-74.480	582355.73	0.2389	P	1.1
2	☐	0.000					
3	☐	0.000	74.480	589810.35	0.2400	P	1.7
4	☐	1000.000	455.133	608527.71	0.2429	P	1.3
5	☐	2500.000	2065.253	634646.16	0.2549	P	1.6
6	☐	5000.000	5030.017	687510.74	0.2771	P	0.9
7	☐	10000.000	12300.107	814248.73	0.3314	P	1.0
8	☐	20000.000	18924.029	943913.76	0.3809	A	0.9
9	☐			546457.95	0.2234	P	2.4

$$y = 7.4714\text{E-}006 * x + 0.2395$$

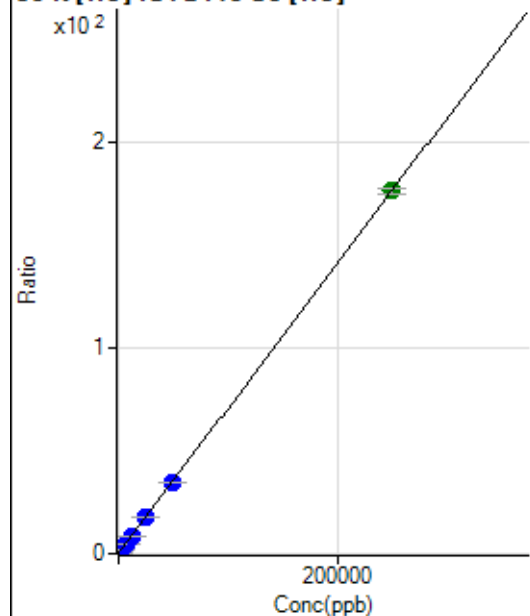
$$R = 0.9893$$

$$DL = 1338$$

$$BEC = 3.205\text{E}+04$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6115.50	0.1792	P	2.8
2	☐	50.000					
3	☐	500.000	471.227	17697.92	0.5111	P	1.4
4	☐	2500.000	2509.878	67152.65	1.9474	P	2.9
5	☐	6250.000	6257.566	156328.18	4.5877	P	2.0
6	☐	12500.000	12138.664	305516.98	8.7309	P	0.3
7	☐	25000.000	24564.912	606519.34	17.4853	P	1.6
8	☐	50000.000	48504.783	1206214.12	34.3510	P	0.4
9	☐	250000.00	250360.38	6237922.27	176.5594	A	1.7

$$y = 7.0451\text{E-}004 * x + 0.1792$$

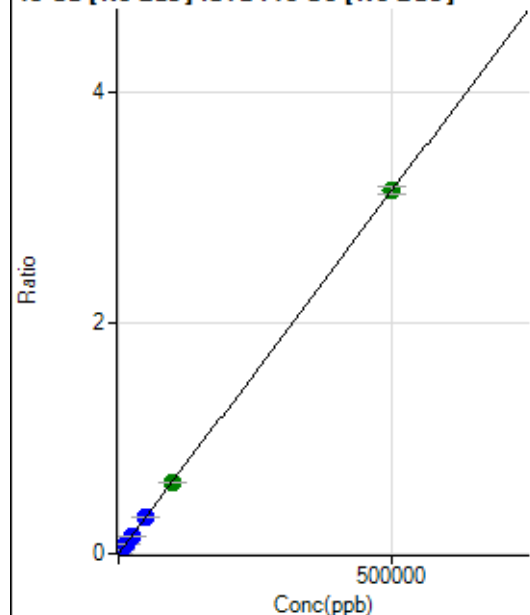
$$R = 1.0000$$

$$DL = 21.34$$

$$BEC = 254.3$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	394.46	0.0002	P	7.1
2	☐	50.000					
3	☐	500.000	457.044	7442.09	0.0030	P	2.1
4	☐	5000.000	4949.048	78190.49	0.0312	P	1.7
5	☐	12500.000	12279.976	192202.62	0.0772	P	0.6
6	☐	25000.000	24537.241	382351.90	0.1541	P	1.0
7	☐	50000.000	49738.875	767058.15	0.3122	P	1.1
8	☐	100000.00	98880.361	1537588.02	0.6204	A	0.4
9	☐	500000.00	500279.23	7677943.08	3.1384	A	2.2

$$y = 6.2730E-006 * x + 1.6177E-004$$

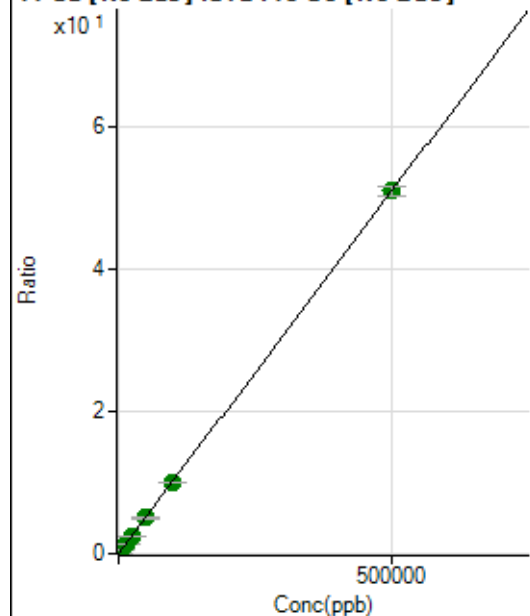
$$R = 1.0000$$

$$DL = 5.526$$

$$BEC = 25.79$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30944.26	0.0127	P	1.7
2	☐	50.000					
3	☐	500.000	460.582	146629.19	0.0597	P	2.1
4	☐	5000.000	4967.457	1301259.73	0.5194	A	1.8
5	☐	12500.000	12338.809	3165234.29	1.2712	A	0.3
6	☐	25000.000	24383.533	6203227.82	2.4998	A	0.8
7	☐	50000.000	49151.540	12350400.23	5.0261	A	0.7
8	☐	100000.00	97296.346	24625965.47	9.9369	A	0.5
9	☐	500000.00	500660.79	124957645.9	51.0799	A	2.6

$$y = 1.0200E-004 * x + 0.0127$$

$$R = 1.0000$$

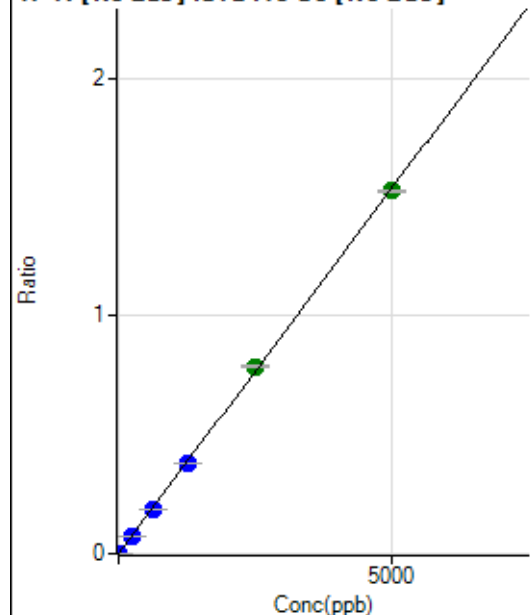
$$DL = 6.241$$

$$BEC = 124.5$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	147.23	0.0001	P	10.8
2	☐	0.500					
3	☐	5.000	4.813	3781.23	0.0015	P	1.7
4	☐	250.000	247.085	190278.41	0.0759	P	2.2
5	☐	625.000	616.726	471773.67	0.1895	P	0.6
6	☐	1250.000	1244.889	948945.95	0.3824	P	0.7
7	☐	2500.000	2562.342	1933991.90	0.7870	A	1.0
8	☐	5000.000	4971.287	3784139.45	1.5269	A	0.3
9	☐			783.39	0.0003	P	10.4

$$y = 3.0713E-004 * x + 6.0355E-005$$

$$R = 0.9999$$

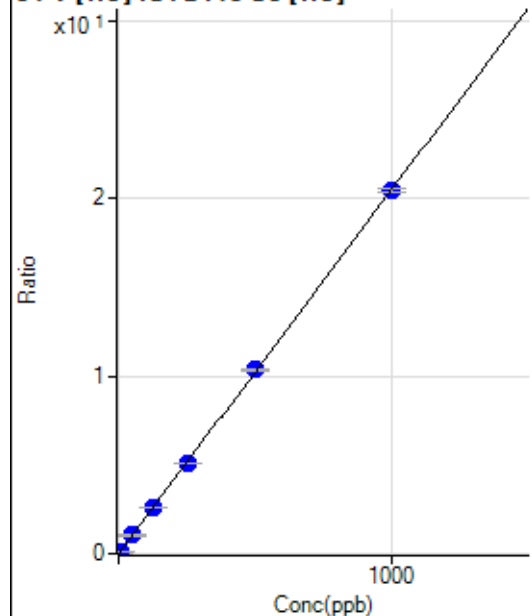
$$DL = 0.0635$$

$$BEC = 0.1965$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	46.66	0.0014	P	13.2
2	☐	0.500					
3	☐	5.000	4.901	3520.50	0.1017	P	5.6
4	☐	50.000	50.712	35832.64	1.0391	P	2.8
5	☐	125.000	127.998	89305.68	2.6207	P	1.6
6	☐	250.000	249.173	178476.77	5.1004	P	0.7
7	☐	500.000	504.918	358454.46	10.3340	P	1.7
8	☐	1000.000	997.338	716704.68	20.4108	P	1.0
9	☐			125.56	0.0036	P	13.1

$$y = 0.0205 * x + 0.0014$$

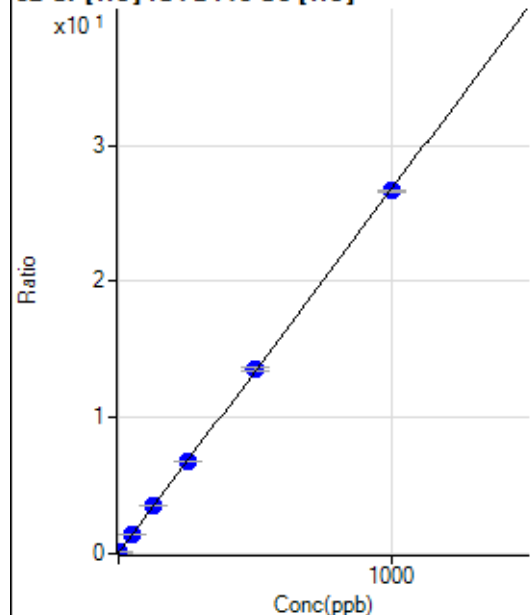
$$R = 1.0000$$

$$DL = 0.02653$$

$$BEC = 0.06685$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1705.69	0.0500	P	4.1
2	☐	0.200					
3	☐	2.000	1.927	3513.84	0.1015	P	4.0
4	☐	50.000	51.498	49201.93	1.4268	P	2.8
5	☐	125.000	130.066	120202.82	3.5274	P	1.7
6	☐	250.000	253.275	238701.90	6.8215	P	0.5
7	☐	500.000	506.708	471656.41	13.5973	P	1.6
8	☐	1000.000	995.119	935968.62	26.6555	P	0.8
9	☐			8148.06	0.2306	P	2.8

$$y = 0.0267 * x + 0.0500$$

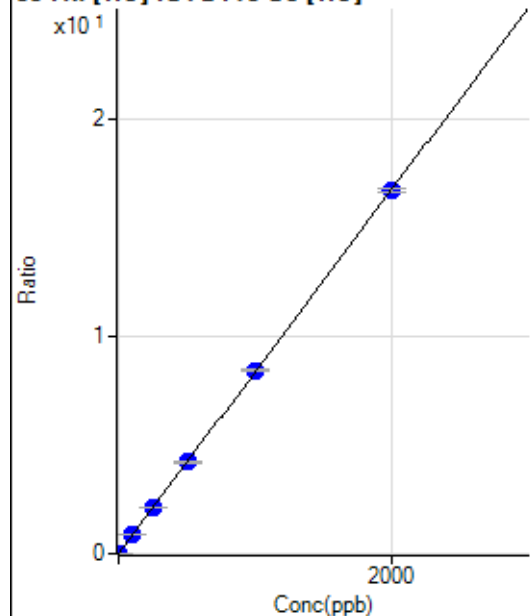
$$R = 1.0000$$

$$DL = 0.23$$

$$BEC = 1.869$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	82.23	0.0024	P	2.7
2	☐	0.100					
3	☐	1.000	1.083	396.68	0.0115	P	6.2
4	☐	100.000	103.028	29765.26	0.8631	P	2.4
5	☐	250.000	256.750	73176.00	2.1473	P	1.2
6	☐	500.000	502.680	147030.98	4.2018	P	0.6
7	☐	1000.000	1008.275	292266.00	8.4256	P	1.4
8	☐	2000.000	1994.197	585062.04	16.6620	P	1.0
9	☐			2253.55	0.0638	P	3.4

$$y = 0.0084 * x + 0.0024$$

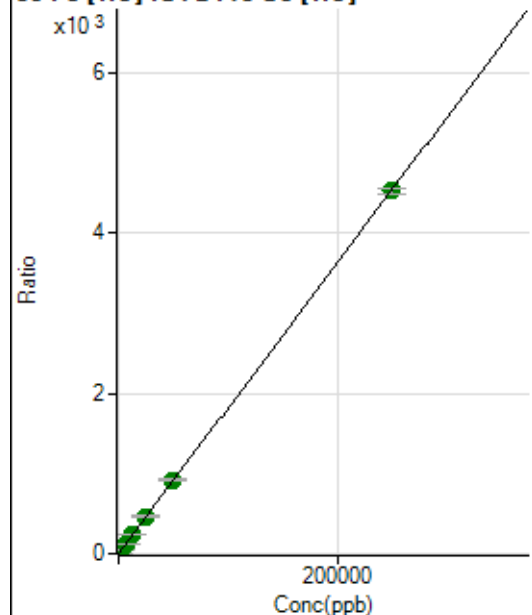
$$R = 1.0000$$

$$DL = 0.02297$$

$$BEC = 0.2884$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3274.56	0.0959	P	2.4
2	☐	5.000					
3	☐	50.000	51.685	35735.34	1.0320	P	0.6
4	☐	2500.000	2695.869	1686890.10	48.9218	A	3.1
5	☐	6250.000	6644.617	4103973.06	120.4390	A	2.2
6	☐	12500.000	12820.705	8128587.80	232.2963	A	0.3
7	☐	25000.000	25773.816	16195600.71	466.8948	A	1.6
8	☐	50000.000	50672.393	32227675.95	917.8419	A	1.4
9	☐	250000.00	249760.28	159823129.5	4,523.594	A	1.7

$$y = 0.0181 * x + 0.0959$$

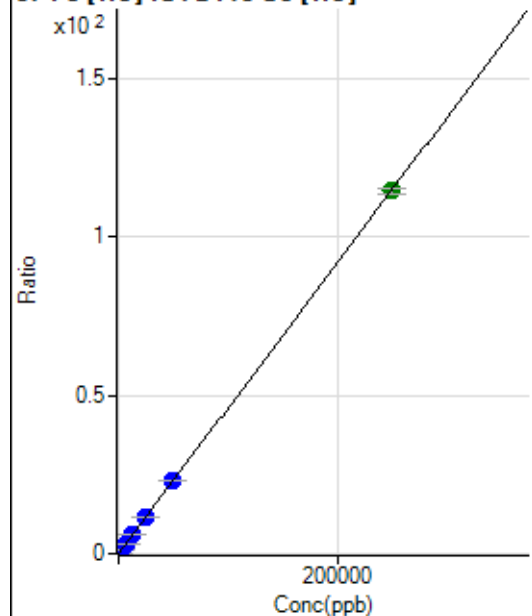
$$R = 1.0000$$

$$DL = 0.3739$$

$$BEC = 5.297$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	96.30	0.0028	P	14.1
2	☐	5.000					
3	☐	50.000	53.655	948.21	0.0274	P	2.4
4	☐	2500.000	2635.299	41694.49	1.2092	P	3.2
5	☐	6250.000	6533.656	102019.15	2.9937	P	1.1
6	☐	12500.000	12825.714	205543.78	5.8739	P	0.5
7	☐	25000.000	25574.307	406196.45	11.7097	P	1.0
8	☐	50000.000	50472.361	811371.34	23.1070	P	0.7
9	☐	250000.00	249823.36	4040816.67	114.3618	A	1.6

$$y = 4.5776E-004 * x + 0.0028$$

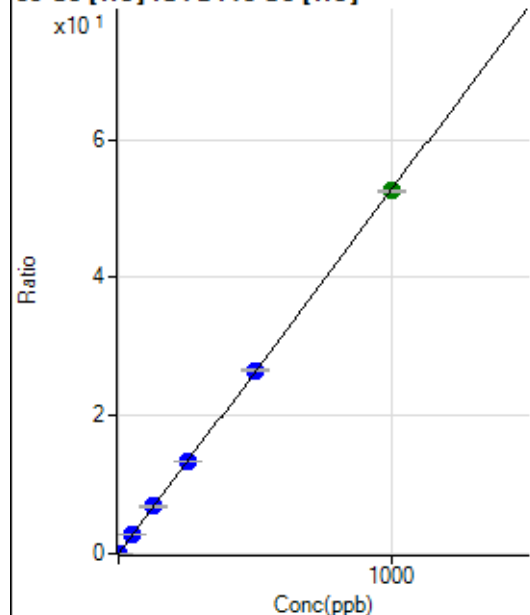
$$R = 1.0000$$

$$DL = 2.603$$

$$BEC = 6.16$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	237.78	0.0070	P	13.5
2	☐	0.100					
3	☐	1.000	0.907	1897.94	0.0548	P	1.0
4	☐	50.000	51.954	94705.66	2.7468	P	3.5
5	☐	125.000	129.838	233566.35	6.8540	P	1.7
6	☐	250.000	251.981	465231.89	13.2953	P	0.3
7	☐	500.000	504.244	922633.96	26.5985	P	1.7
8	☐	1000.000	996.680	1845844.38	52.5673	A	0.6
9	☐			20929.26	0.5924	P	1.8

$$y = 0.0527 * x + 0.0070$$

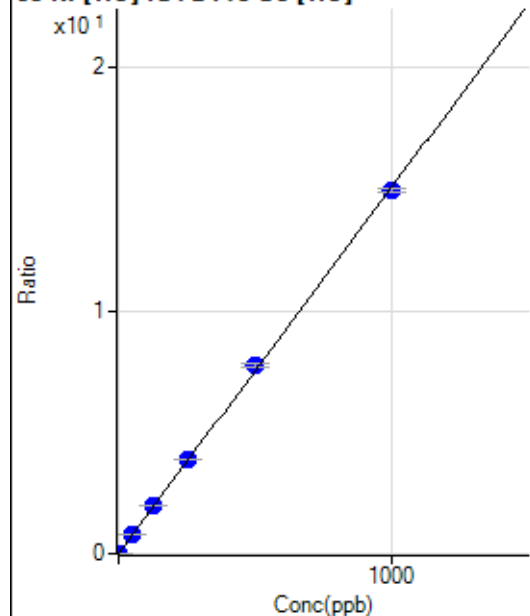
$$R = 1.0000$$

$$DL = 0.05335$$

$$BEC = 0.1321$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.67	0.0040	P	13.9
2	☐	0.100					
3	☐	1.000	1.027	674.47	0.0195	P	7.8
4	☐	50.000	52.594	27479.49	0.7968	P	1.7
5	☐	125.000	132.163	68023.14	1.9961	P	1.2
6	☐	250.000	256.718	135540.86	3.8735	P	1.3
7	☐	500.000	513.249	268487.46	7.7401	P	1.5
8	☐	1000.000	990.671	524459.77	14.9363	P	0.9
9	☐			6537.21	0.1850	P	2.8

$$y = 0.0151 * x + 0.0040$$

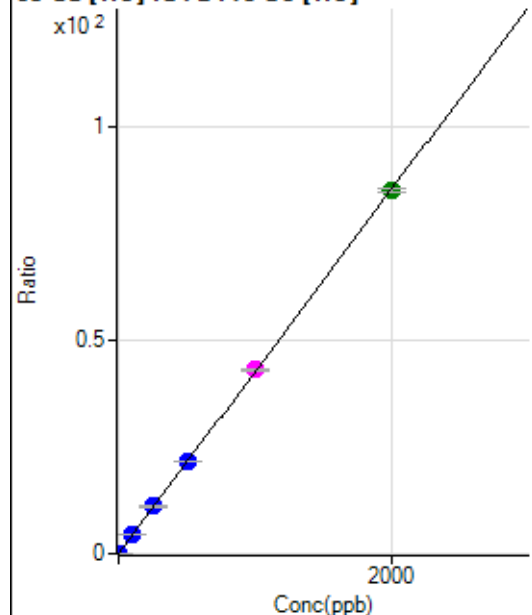
$$R = 0.9998$$

$$DL = 0.1109$$

$$BEC = 0.2657$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	591.14	0.0173	P	15.3
2	☐	0.200					
3	☐	2.000	1.940	3470.51	0.1002	P	1.8
4	☐	100.000	104.429	154508.21	4.4809	P	3.1
5	☐	250.000	260.392	379851.19	11.1472	P	2.0
6	☐	500.000	504.716	755501.26	21.5904	P	0.2
7	☐	1000.000	1011.138	1499787.65	43.2364	M	1.4
8	☐	2000.000	1991.732	2989886.45	85.1499	A	0.9
9	☐			4305.18	0.1218	P	2.9

$$y = 0.0427 * x + 0.0173$$

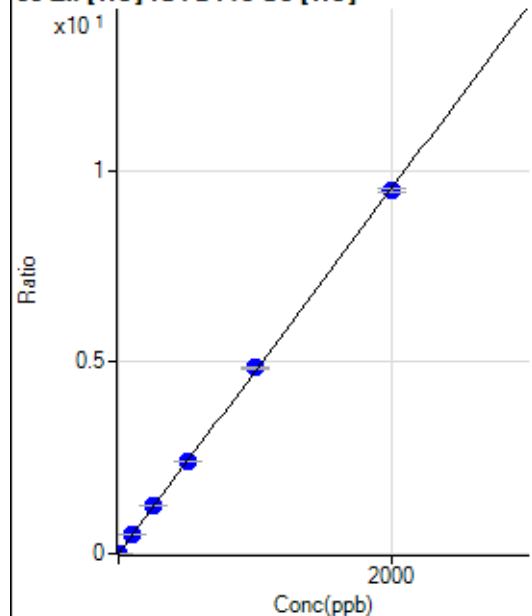
$$R = 1.0000$$

$$DL = 0.1863$$

$$BEC = 0.4049$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.22	0.0018	P	12.7
2	☐	0.200					
3	☐	2.000	1.793	358.90	0.0104	P	7.3
4	☐	100.000	105.636	17430.06	0.5055	P	3.1
5	☐	250.000	264.041	42963.17	1.2608	P	1.5
6	☐	500.000	507.499	84736.81	2.4216	P	0.3
7	☐	1000.000	1017.730	168388.51	4.8543	P	1.3
8	☐	2000.000	1987.224	332764.26	9.4769	P	1.1
9	☐			1849.05	0.0523	P	1.8

$$y = 0.0048 * x + 0.0018$$

$$R = 0.9999$$

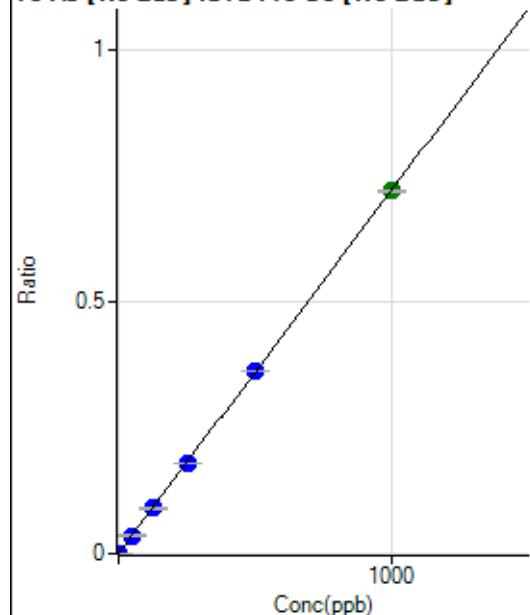
$$DL = 0.1453$$

$$BEC = 0.382$$

Weight: <None>

Min Conc: 0

75 As [No Gas] ISTD:45 Sc [No Gas]



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1100.25	0.0005	P	3.8
2	☐	0.100					
3	☐	1.000	0.958	2805.62	0.0011	P	3.9
4	☐	50.000	49.391	90227.02	0.0360	P	2.4
5	☐	125.000	123.940	223310.29	0.0897	P	0.2
6	☐	250.000	249.968	447741.29	0.1804	P	0.3
7	☐	500.000	503.534	891994.64	0.3630	P	0.3
8	☐	1000.000	998.404	1782603.22	0.7193	A	0.7
9	☐			3608.99	0.0015	P	4.7

$$y = 7.2000\text{E-}004 * x + 4.5127\text{E-}004$$

$$R = 1.0000$$

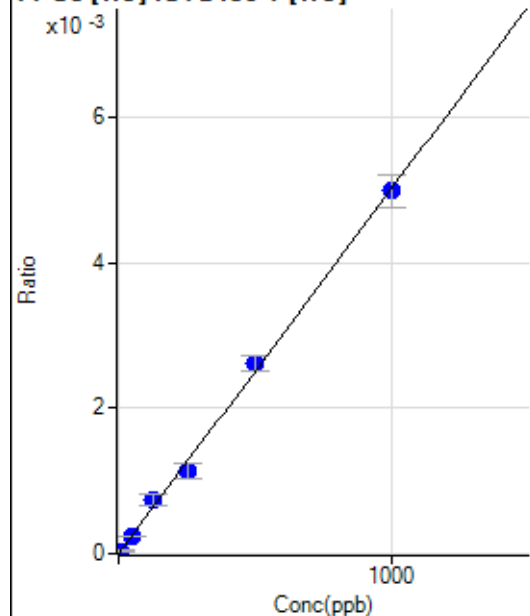
$$DL = 0.07106$$

$$BEC = 0.6268$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	6.654	6.67	0.0000	P	50.6
4	☐	50.000	48.377	48.89	0.0002	P	2.4
5	☐	125.000	146.098	146.67	0.0007	P	20.8
6	☐	250.000	224.507	228.90	0.0011	P	18.4
7	☐	500.000	519.376	523.36	0.0026	P	8.0
8	☐	1000.000	994.121	1020.06	0.0050	P	8.7
9	☐			5.56	0.0000	P	92.0

$$y = 5.0140\text{E-}006 * x + 0.0000\text{E+}000$$

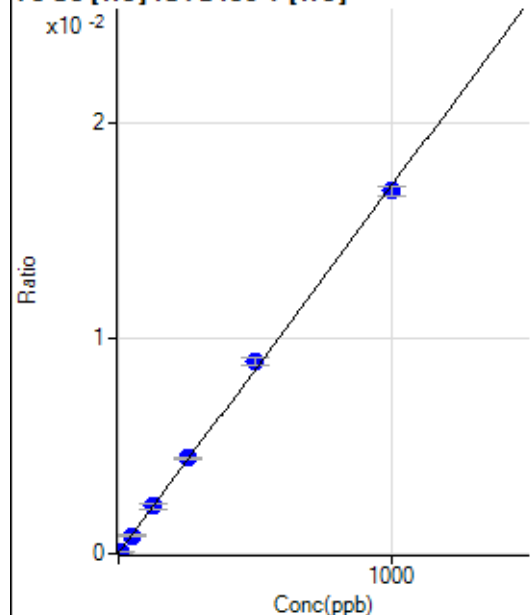
$$R = 0.9991$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.32	0.0000	P	49.4
2	☐	0.500					
3	☐	5.000	5.579	23.46	0.0001	P	23.3
4	☐	50.000	48.235	170.37	0.0008	P	1.8
5	☐	125.000	127.366	438.90	0.0022	P	11.2
6	☐	250.000	258.787	903.13	0.0044	P	1.3
7	☐	500.000	522.331	1797.67	0.0089	P	3.0
8	☐	1000.000	986.427	3452.94	0.0169	P	2.7
9	☐			4.94	0.0000	P	21.4

$$y = 1.7076\text{E-}005 * x + 2.1761\text{E-}005$$

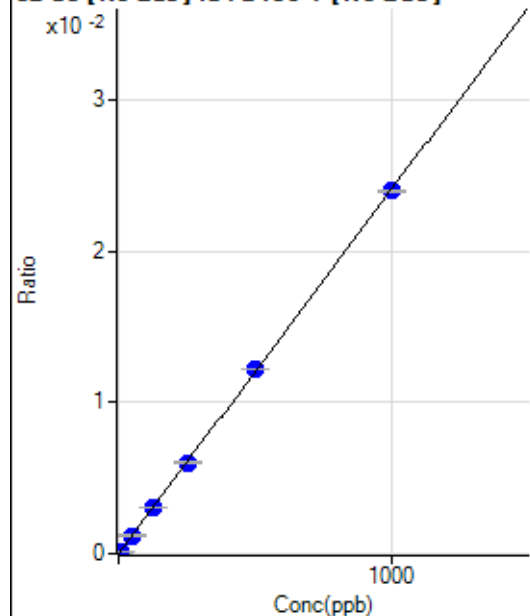
$$R = 0.9996$$

$$DL = 1.889$$

$$BEC = 1.274$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	-35.04	0.0000	P	-397.
2	☐	0.500					
3	☐	5.000	4.802	379.94	0.0001	P	14.3
4	☐	50.000	49.689	4377.64	0.0012	P	3.0
5	☐	125.000	126.765	11067.35	0.0030	P	1.9
6	☐	250.000	250.266	22336.34	0.0060	P	1.1
7	☐	500.000	507.301	44551.53	0.0122	P	0.1
8	☐	1000.000	996.079	88324.80	0.0240	P	0.3
9	☐			-17.13	0.0000	P	-328.

$$y = 2.4121\text{E-}005 * x - 9.5961\text{E-}006$$

$$R = 1.0000$$

$$DL = 4.742$$

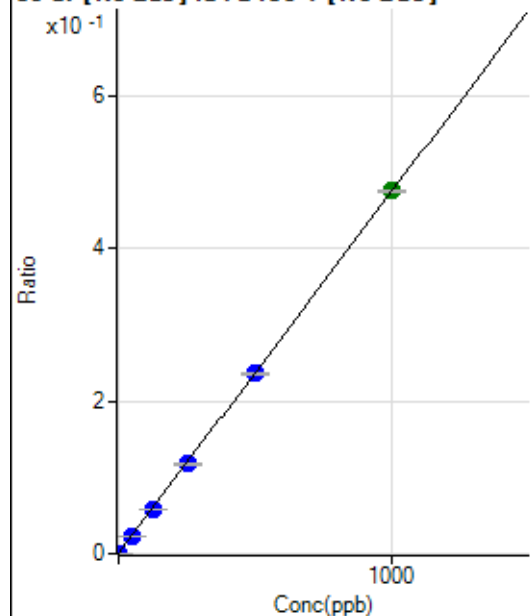
$$BEC = -0.3978$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			903.38		P	12.9
2	☐						
3	☐			971.16		P	4.3
4	☐			982.28		P	1.2
5	☐			958.94		P	6.5
6	☐			943.39		P	3.7
7	☐			917.83		P	6.7
8	☐			952.27		P	5.6
9	☐			953.38		P	5.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1425.14	0.0004	P	4.6
2	☐	0.100					
3	☐	1.000	0.776	2744.86	0.0008	P	3.1
4	☐	50.000	49.291	87522.10	0.0238	P	0.3
5	☐	125.000	123.380	213847.26	0.0589	P	1.1
6	☐	250.000	246.646	434849.16	0.1173	P	1.8
7	☐	500.000	497.233	860472.24	0.2362	P	0.9
8	☐	1000.000	1002.460	1749534.89	0.4757	A	0.6
9	☐			7521.86	0.0021	P	4.2

$$y = 4.7415\text{E-}004 * x + 3.9937\text{E-}004$$

$$R = 1.0000$$

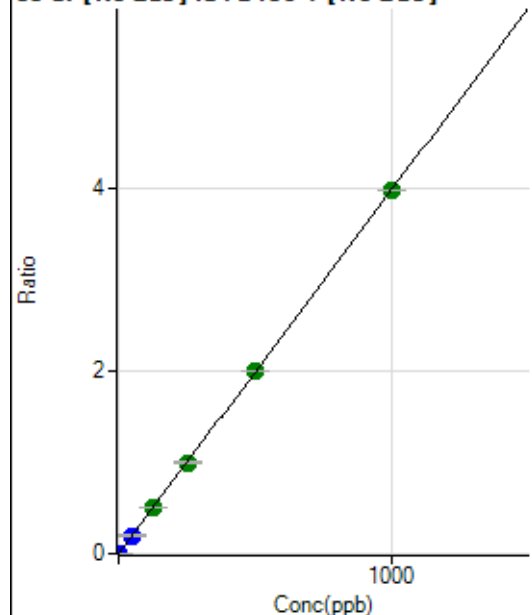
$$DL = 0.1168$$

$$BEC = 0.8423$$

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	122.23	0.0000	P	6.4
2	☐	0.100					
3	☐	1.000	0.815	11711.16	0.0033	P	1.4
4	☐	50.000	50.135	733489.63	0.1992	P	1.0
5	☐	125.000	127.785	1843314.73	0.5077	A	1.6
6	☐	250.000	250.667	3690487.24	0.9959	A	1.9
7	☐	500.000	503.548	7289550.60	2.0006	A	0.6
8	☐	1000.000	997.705	14577402.58	3.9638	A	0.1
9	☐			52784.06	0.0148	P	0.9

$$y = 0.0040 * x + 3.4246E-005$$

$$R = 1.0000$$

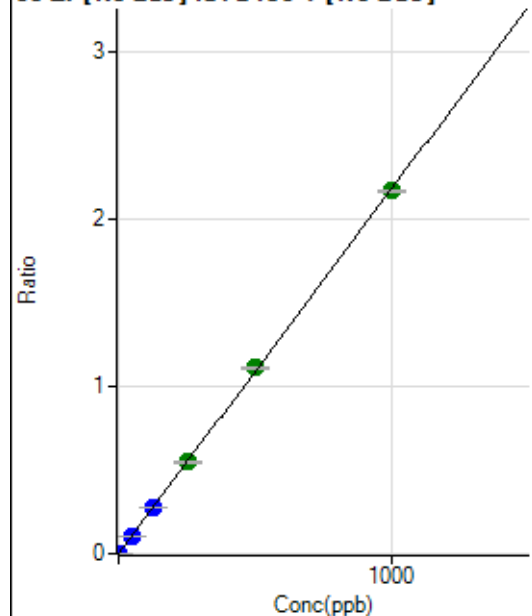
$$DL = 0.001649$$

$$BEC = 0.00862$$

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	305.57	0.0001	P	8.3
2	☐	0.100					
3	☐	1.000	0.859	6991.01	0.0020	P	2.4
4	☐	50.000	49.450	396765.34	0.1078	P	1.2
5	☐	125.000	124.165	981953.47	0.2705	P	0.4
6	☐	250.000	251.594	2030578.34	0.5479	A	1.0
7	☐	500.000	509.749	4044595.36	1.1101	A	0.4
8	☐	1000.000	994.859	7966813.46	2.1664	A	0.8
9	☐			1936.34	0.0005	P	2.7

$$y = 0.0022 * x + 8.5651E-005$$

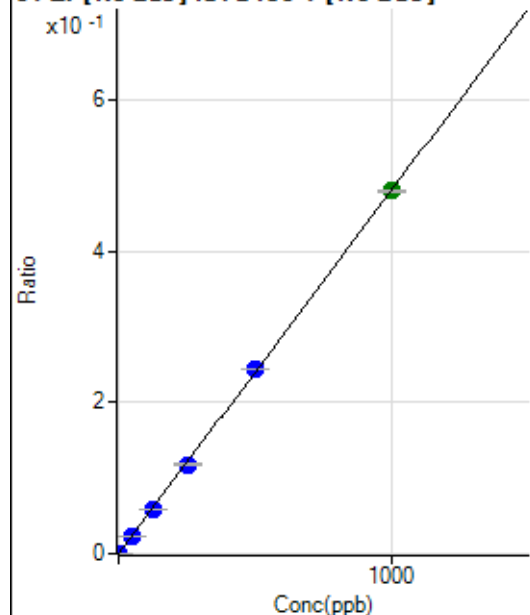
$$R = 0.9999$$

$$DL = 0.009848$$

$$BEC = 0.03933$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.33	0.0000	P	23.2
2	☐	0.100					
3	☐	1.000	0.914	1630.73	0.0005	P	7.0
4	☐	50.000	48.968	86751.19	0.0236	P	1.2
5	☐	125.000	123.446	215574.70	0.0594	P	0.4
6	☐	250.000	245.717	437917.46	0.1182	P	1.3
7	☐	500.000	505.904	886400.01	0.2433	P	0.2
8	☐	1000.000	998.365	1765509.91	0.4801	A	0.4
9	☐			377.80	0.0001	P	23.8

$$y = 4.8083\text{E-}004 * x + 1.6318\text{E-}005$$

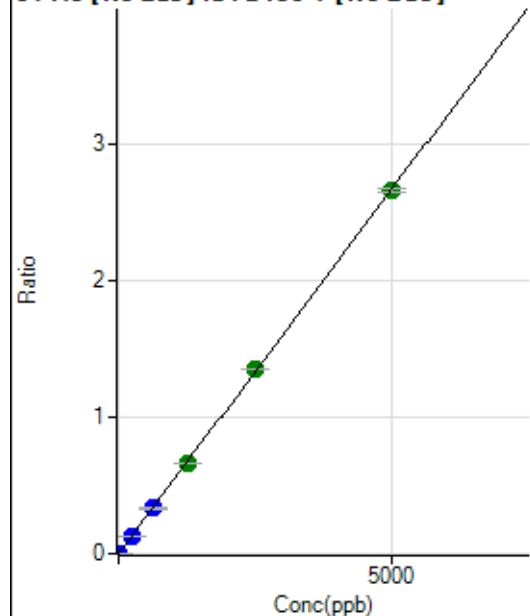
$$R = 1.0000$$

$$DL = 0.02357$$

$$BEC = 0.03394$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	208.34	0.0001	P	13.2
2	☐	0.500					
3	☐	5.000	4.613	8989.50	0.0025	P	4.2
4	☐	250.000	247.046	484524.79	0.1316	P	1.0
5	☐	625.000	623.303	1205200.67	0.3319	P	1.1
6	☐	1250.000	1248.953	2464930.81	0.6651	A	0.3
7	☐	2500.000	2538.856	4925715.52	1.3519	A	0.6
8	☐	5000.000	4981.194	9753694.66	2.6523	A	1.2
9	☐			3570.08	0.0010	P	1.6

$$y = 5.3245\text{E-}004 * x + 5.8475\text{E-}005$$

$$R = 1.0000$$

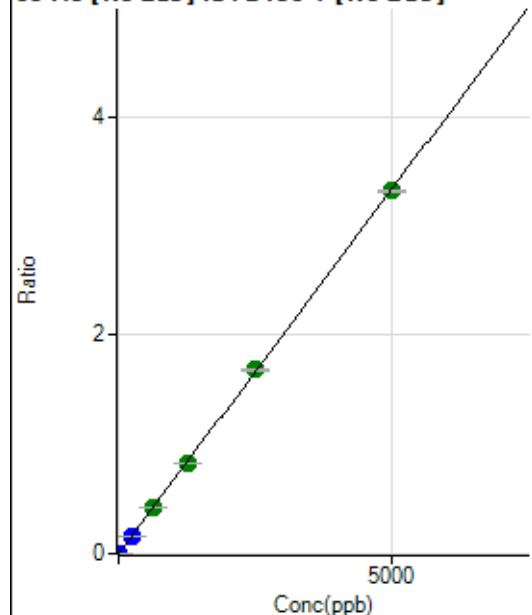
$$DL = 0.04335$$

$$BEC = 0.1098$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	113.89	0.0000	P	26.1
2	☐	0.500					
3	☐	5.000	4.606	11091.09	0.0031	P	5.8
4	☐	250.000	245.277	602125.25	0.1635	P	1.5
5	☐	625.000	632.604	1531256.50	0.4217	A	0.6
6	☐	1250.000	1251.679	3092577.46	0.8344	A	0.3
7	☐	2500.000	2530.786	6147062.55	1.6871	A	1.1
8	☐	5000.000	4983.473	12217506.00	3.3221	A	0.6
9	☐			5356.85	0.0015	P	3.4

$$y = 6.6662\text{E-}004 * x + 3.1851\text{E-}005$$

$$R = 1.0000$$

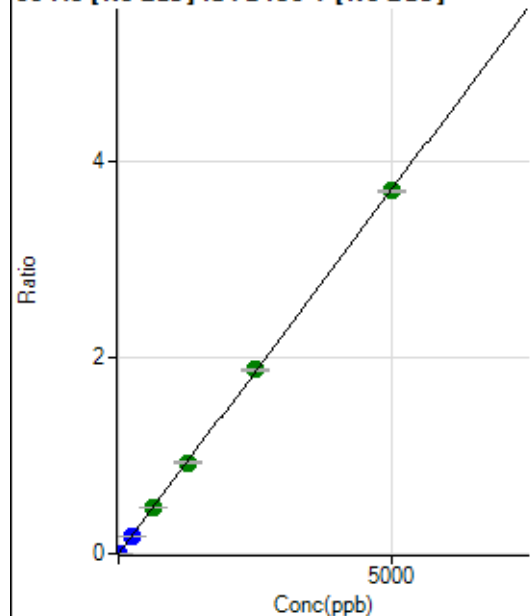
$$DL = 0.03744$$

$$BEC = 0.04778$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	155.57	0.0000	P	16.4
2	☐	0.500					
3	☐	5.000	4.675	12561.93	0.0035	P	2.4
4	☐	250.000	243.342	664717.30	0.1805	P	0.8
5	☐	625.000	629.216	1694712.41	0.4667	A	1.5
6	☐	1250.000	1251.674	3440891.18	0.9284	A	0.5
7	☐	2500.000	2530.550	6838959.66	1.8770	A	0.7
8	☐	5000.000	4984.113	13595403.25	3.6969	A	0.6
9	☐			6802.02	0.0019	P	2.3

$$y = 7.4173\text{E-}004 * x + 4.3656\text{E-}005$$

$$R = 1.0000$$

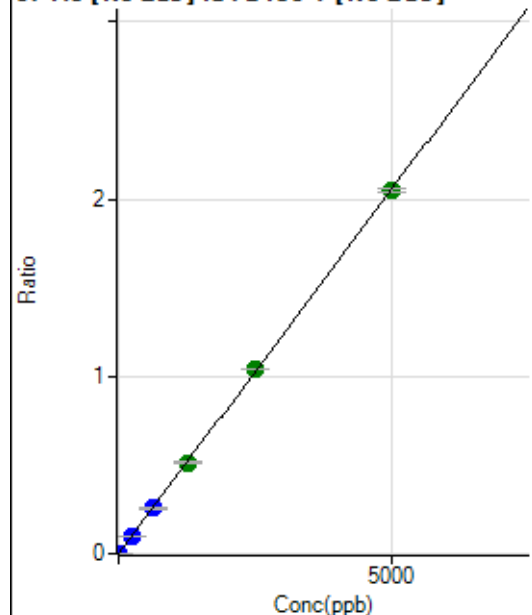
$$DL = 0.02887$$

$$BEC = 0.05886$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	122.23	0.0000	P	21.2
2	☐	0.500					
3	☐	5.000	4.542	6790.93	0.0019	P	3.1
4	☐	250.000	245.403	371136.86	0.1008	P	0.7
5	☐	625.000	620.730	925539.25	0.2549	P	1.2
6	☐	1250.000	1253.214	1907140.28	0.5146	A	1.1
7	☐	2500.000	2537.509	3796530.16	1.0420	A	0.3
8	☐	5000.000	4981.206	7521759.72	2.0454	A	1.0
9	☐			3181.07	0.0009	P	7.2

$$y = 4.1061\text{E-}004 * x + 3.4230\text{E-}005$$

$$R = 1.0000$$

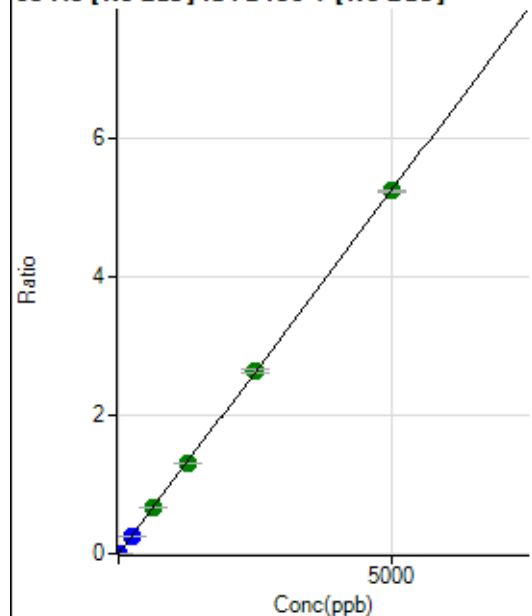
$$DL = 0.05296$$

$$BEC = 0.08336$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	200.01	0.0001	P	17.6
2	☐	0.500					
3	☐	5.000	4.551	17283.98	0.0048	P	3.1
4	☐	250.000	245.651	949827.29	0.2580	P	0.9
5	☐	625.000	632.577	2411606.00	0.6642	A	0.2
6	☐	1250.000	1245.159	4845097.85	1.3074	A	0.9
7	☐	2500.000	2514.235	9617909.94	2.6398	A	1.1
8	☐	5000.000	4993.363	19280564.15	5.2427	A	0.4
9	☐			8453.00	0.0024	P	1.3

$$y = 0.0010 * x + 5.5984\text{E-}005$$

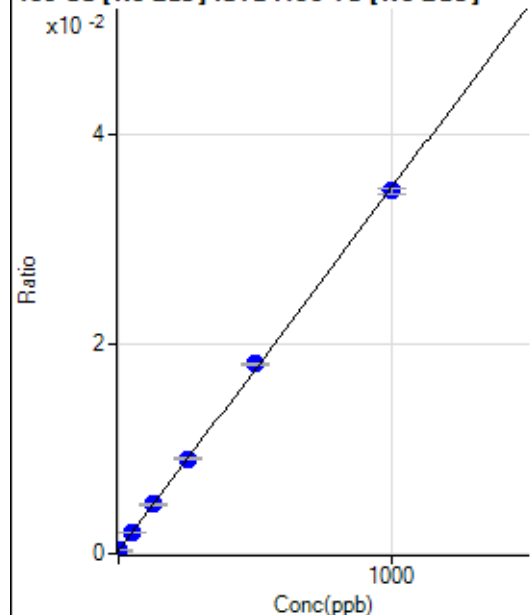
$$R = 1.0000$$

$$DL = 0.0282$$

$$BEC = 0.05332$$

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	936.18	0.0003	P	7.2
2	☐	0.100					
3	☐	1.000	1.043	1066.75	0.0003	P	2.5
4	☐	50.000	51.065	7344.06	0.0020	P	3.6
5	☐	125.000	128.898	17044.84	0.0047	P	3.4
6	☐	250.000	253.449	33155.69	0.0090	P	0.8
7	☐	500.000	514.221	65727.94	0.0181	P	1.8
8	☐	1000.000	991.487	127953.64	0.0346	P	1.9
9	☐			933.41	0.0003	P	9.8

$$y = 3.4596E-005 * x + 2.6756E-004$$

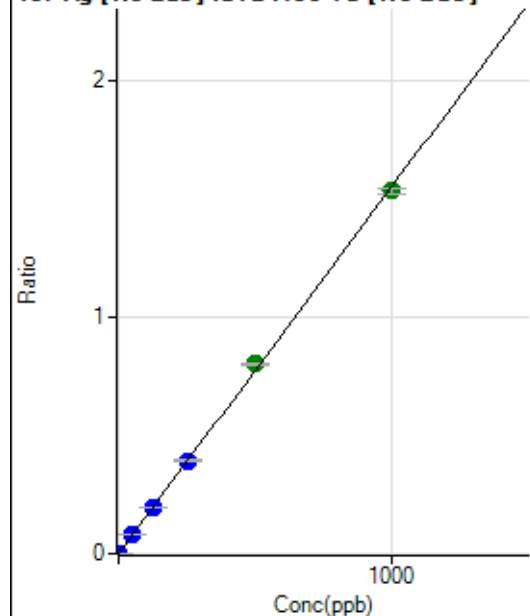
$$R = 0.9998$$

$$DL = 1.676$$

$$BEC = 7.734$$

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	108.34	0.0000	P	38.7
2	☐	0.100					
3	☐	1.000	1.065	5907.16	0.0017	P	3.0
4	☐	50.000	51.244	286942.28	0.0795	P	0.9
5	☐	125.000	127.808	714614.36	0.1982	P	0.8
6	☐	250.000	253.968	1444886.54	0.3938	P	0.8
7	☐	500.000	518.074	2923753.52	0.8032	A	0.9
8	☐	1000.000	989.558	5678727.69	1.5342	A	1.5
9	☐			800.06	0.0002	P	9.0

$$y = 0.0016 * x + 3.1000E-005$$

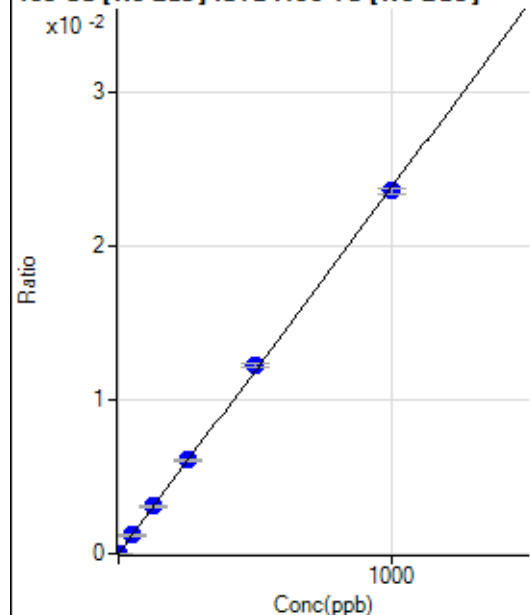
$$R = 0.9997$$

$$DL = 0.02322$$

$$BEC = 0.02$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.89	0.0000	P	18.1
2	☐	0.100					
3	☐	1.000	0.880	87.50	0.0000	P	20.3
4	☐	50.000	50.392	4341.07	0.0012	P	4.5
5	☐	125.000	128.861	11065.87	0.0031	P	2.7
6	☐	250.000	255.076	22275.65	0.0061	P	1.1
7	☐	500.000	514.878	44587.68	0.0123	P	1.7
8	☐	1000.000	990.790	87242.80	0.0236	P	1.5
9	☐			13.89	0.0000	P	47.4

$$y = 2.3784\text{E-}005 * x + 3.9733\text{E-}006$$

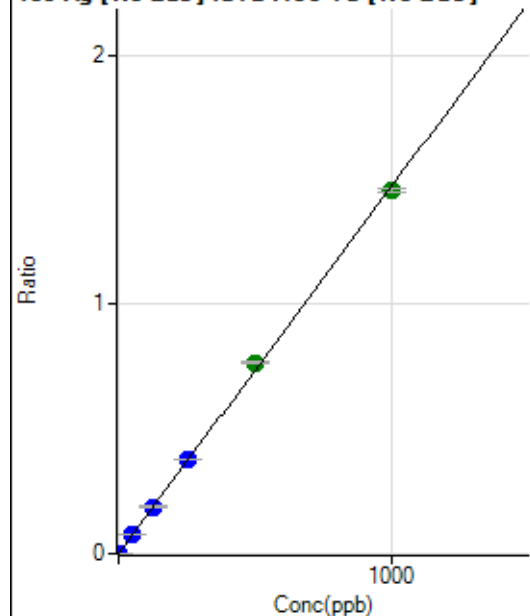
$$R = 0.9998$$

$$DL = 0.09064$$

$$BEC = 0.1671$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	125.01	0.0000	P	18.2
2	☐	0.100					
3	☐	1.000	1.006	5331.85	0.0015	P	2.8
4	☐	50.000	51.081	271729.82	0.0753	P	0.4
5	☐	125.000	128.137	680591.81	0.1887	P	0.6
6	☐	250.000	255.116	1378751.36	0.3757	P	0.5
7	☐	500.000	520.400	2789895.68	0.7664	A	0.3
8	☐	1000.000	988.075	5386373.04	1.4552	A	1.0
9	☐			761.17	0.0002	P	22.9

$$y = 0.0015 * x + 3.5758\text{E-}005$$

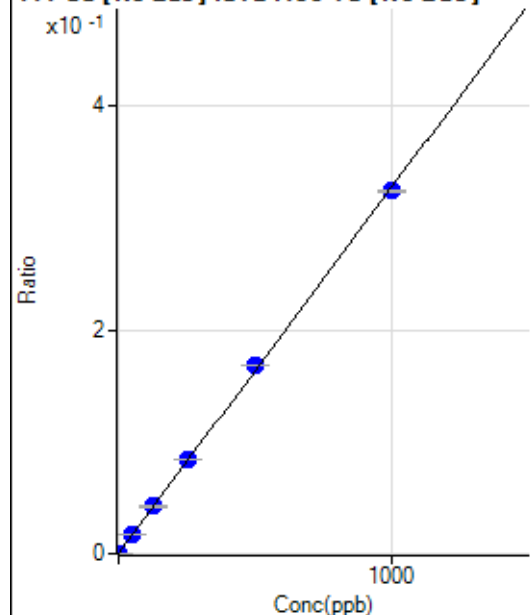
$$R = 0.9997$$

$$DL = 0.01324$$

$$BEC = 0.02428$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	681.72	0.0002	P	7.7
2	☐	0.100					
3	☐	1.000	0.969	1796.67	0.0005	P	3.0
4	☐	50.000	50.934	60811.80	0.0168	P	2.5
5	☐	125.000	128.440	152095.72	0.0422	P	0.5
6	☐	250.000	255.229	306845.71	0.0836	P	0.3
7	☐	500.000	514.693	613094.28	0.1684	P	0.8
8	☐	1000.000	990.870	1199630.48	0.3241	P	0.8
9	☐			720.06	0.0002	P	11.6

$$y = 3.2687\text{E-}004 * x + 1.9483\text{E-}004$$

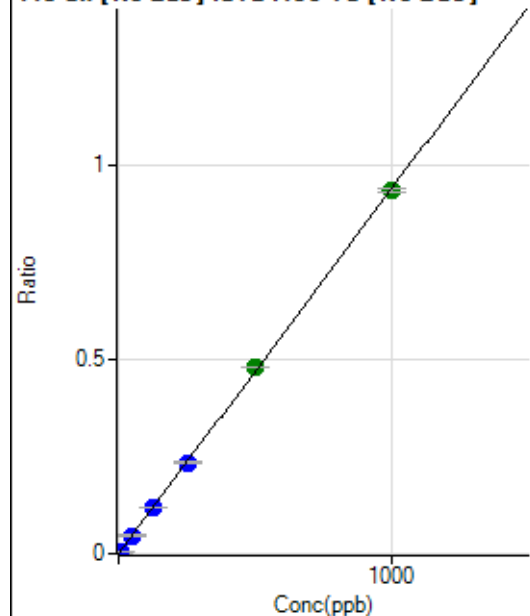
$$R = 0.9998$$

$$DL = 0.1374$$

$$BEC = 0.5961$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	402.80	0.0001	P	10.5
2	☐	0.500					
3	☐	5.000	4.911	16569.23	0.0047	P	3.4
4	☐	50.000	49.908	169201.19	0.0469	P	0.8
5	☐	125.000	124.973	422547.82	0.1172	P	0.9
6	☐	250.000	249.461	857849.13	0.2338	P	0.9
7	☐	500.000	510.912	1742521.46	0.4787	A	0.6
8	☐	1000.000	994.687	3449303.07	0.9319	A	1.2
9	☐			1853.01	0.0005	P	1.9

$$y = 9.3672\text{E-}004 * x + 1.1511\text{E-}004$$

$$R = 0.9999$$

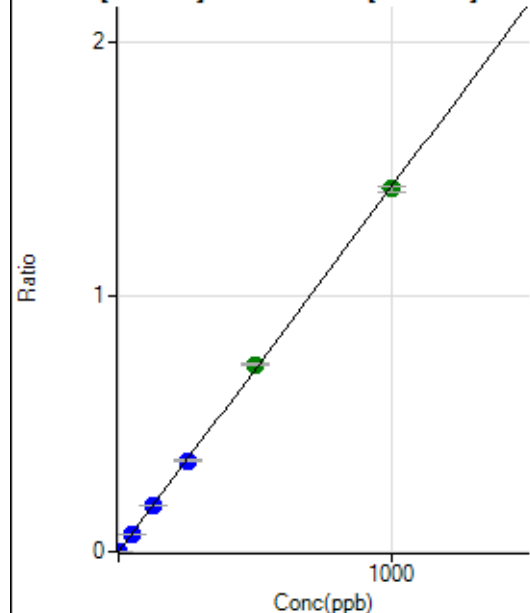
$$DL = 0.03857$$

$$BEC = 0.1229$$

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	83.34	0.0000	P	16.7
2	☐	0.200					
3	☐	2.000	1.795	9103.59	0.0026	P	0.4
4	☐	50.000	49.318	254800.12	0.0706	P	1.3
5	☐	125.000	125.176	645791.67	0.1791	P	1.4
6	☐	250.000	249.690	1310737.11	0.3572	P	0.5
7	☐	500.000	512.029	2666231.92	0.7325	A	1.0
8	☐	1000.000	994.076	5263656.50	1.4221	A	1.7
9	☐			5915.48	0.0017	P	2.9

$$y = 0.0014 * x + 2.3801E-005$$

$$R = 0.9999$$

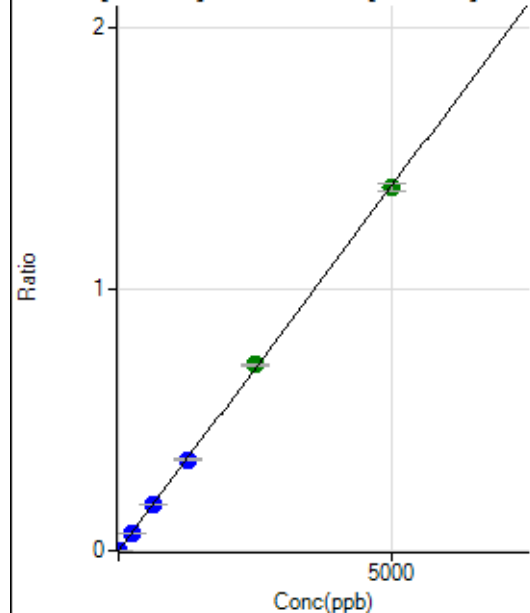
$$DL = 0.008343$$

$$BEC = 0.01664$$

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	105.56	0.0000	P	15.6
2	☐	1.000					
3	☐	10.000	10.064	9970.89	0.0028	P	1.7
4	☐	250.000	248.047	250053.31	0.0693	P	0.6
5	☐	625.000	627.660	631770.65	0.1752	P	0.8
6	☐	1250.000	1250.161	1280339.32	0.3489	P	1.0
7	☐	2500.000	2550.559	2591152.30	0.7119	A	0.7
8	☐	5000.000	4974.445	5138796.51	1.3883	A	2.1
9	☐			538.93	0.0002	P	22.6

$$y = 2.7909E-004 * x + 3.0146E-005$$

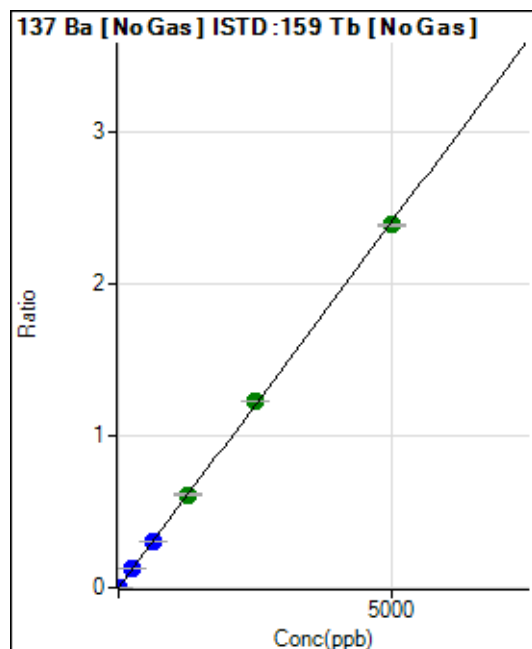
$$R = 0.9999$$

$$DL = 0.05061$$

$$BEC = 0.108$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	158.34	0.0000	P	31.1
2	☐	1.000					
3	☐	10.000	9.676	16522.11	0.0047	P	5.5
4	☐	250.000	252.981	440039.42	0.1219	P	0.8
5	☐	625.000	635.813	1104314.96	0.3062	P	0.6
6	☐	1250.000	1273.442	2250480.11	0.6133	A	1.0
7	☐	2500.000	2555.762	4480359.48	1.2309	A	0.7
8	☐	5000.000	4964.758	8850671.29	2.3910	A	0.7
9	☐			891.73	0.0003	P	7.3

$$y = 4.8159\text{E-}004 * x + 4.5217\text{E-}005$$

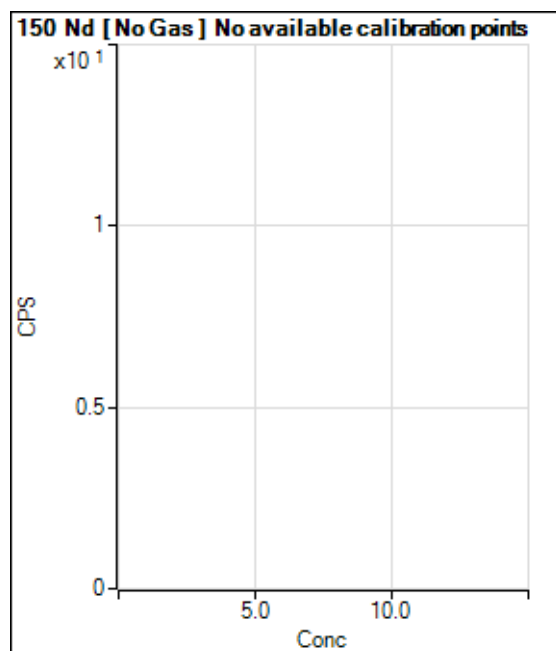
$$R = 0.9999$$

$$DL = 0.08749$$

$$BEC = 0.09389$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐			15.56		P	49.5
2	☐						
3	☐			13.33		P	86.6
4	☐			31.11		P	32.7
5	☐			33.33		P	60.0
6	☐			80.00		P	8.3
7	☐			77.78		P	38.6
8	☐			208.90		P	9.8
9	☐			97.78		P	3.9

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			0.00		P	
4	☐			1.11		P	173.2
5	☐			1.11		P	173.2
6	☐			1.11		P	173.2
7	☐			6.66		P	86.6
8	☐			5.55		P	69.3
9	☐			22.22		P	60.6

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.00		P	33.3
2	☐						
3	☐			0.00		P	
4	☐			5.56		P	173.2
5	☐			22.22		P	86.6
6	☐			19.44		P	99.0
7	☐			41.67		P	40.0
8	☐			72.23		P	26.7
9	☐			41.67		P	40.0

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.6
2	☐						
3	☐			0.00		P	
4	☐			0.00		P	
5	☐			1.11		P	173.2
6	☐			2.22		P	86.6
7	☐			2.22		P	86.6
8	☐			10.00		P	33.3
9	☐			10.00		P	88.2

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			41.67		P	72.1
2	☐						
3	☐			41.67		P	20.0
4	☐			44.45		P	10.8
5	☐			38.89		P	12.4
6	☐			36.11		P	58.1
7	☐			52.78		P	9.1
8	☐			55.56		P	17.3
9	☐			61.12		P	7.9

160 Gd [He] No available calibration points

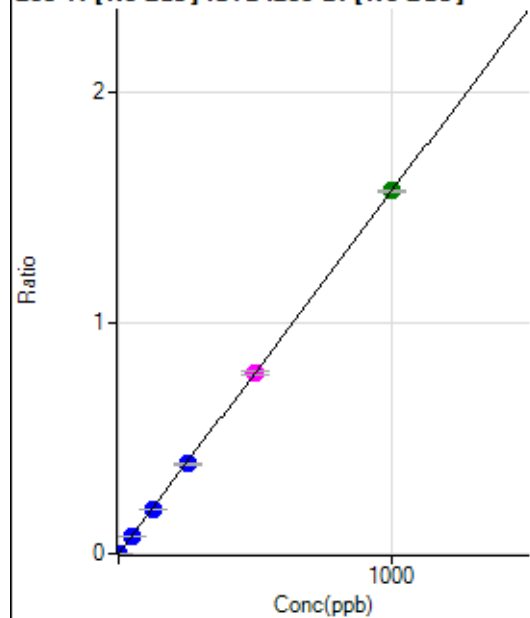
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐						
3	☐			4.44		P	114.6
4	☐			4.44		P	43.4
5	☐			4.45		P	86.6
6	☐			5.56		P	91.6
7	☐			2.22		P	173.2
8	☐			8.89		P	21.6
9	☐			16.66		P	34.6

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	43.3
2	☐						
3	☐			19.44		P	49.5
4	☐			22.22		P	57.3
5	☐			22.22		P	21.6
6	☐			22.22		P	94.4
7	☐			38.89		P	68.9
8	☐			33.33		P	25.0
9	☐			44.45		P	78.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			3.33		P	0.0
2	☐						
3	☐			4.44		P	173.2
4	☐			2.22		P	173.2
5	☐			2.22		P	173.2
6	☐			5.55		P	124.9
7	☐			12.22		P	56.8
8	☐			6.67		P	50.0
9	☐			6.67		P	0.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	319.46	0.0002	P	21.0
2	☐	0.100					
3	☐	1.000	0.877	3089.41	0.0015	P	4.7
4	☐	50.000	49.059	158853.05	0.0772	P	1.5
5	☐	125.000	122.328	395656.88	0.1923	P	0.4
6	☐	250.000	247.053	806038.22	0.3882	P	1.2
7	☐	500.000	499.510	1622106.60	0.7847	M	2.6
8	☐	1000.000	1001.363	3230812.62	1.5729	A	0.7
9	☐			375.02	0.0002	P	16.1

$$y = 0.0016 * x + 1.5858E-004$$

$$R = 1.0000$$

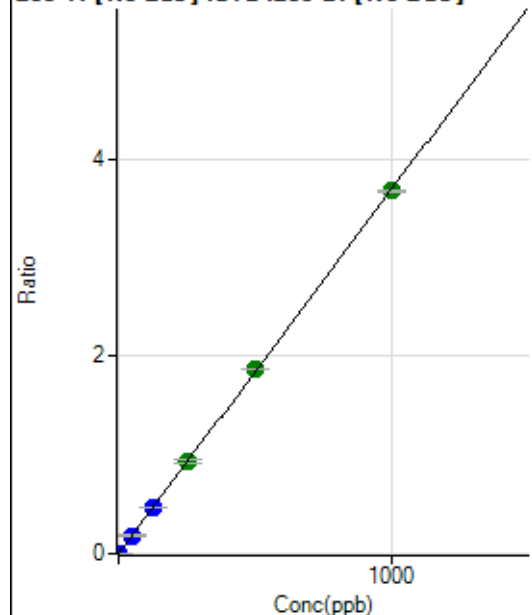
$$DL = 0.06367$$

$$BEC = 0.101$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	672.27	0.0003	P	15.6
2	☐	0.100					
3	☐	1.000	0.936	7622.07	0.0038	P	1.7
4	☐	50.000	49.697	378093.80	0.1838	P	2.2
5	☐	125.000	125.067	950642.46	0.4620	P	0.6
6	☐	250.000	253.510	1943700.98	0.9362	A	2.3
7	☐	500.000	506.149	3863414.37	1.8688	A	0.6
8	☐	1000.000	996.055	7553063.80	3.6773	A	0.5
9	☐			1022.32	0.0005	P	7.7

$$y = 0.0037 * x + 3.3365E-004$$

$$R = 1.0000$$

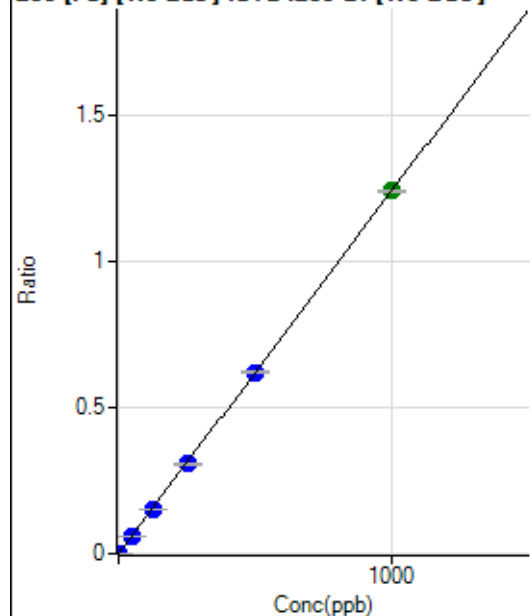
$$DL = 0.04243$$

$$BEC = 0.09038$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	438.91	0.0002	P	10.9
2	☐	0.100					
3	☐	1.000	0.868	2598.50	0.0013	P	2.4
4	☐	50.000	49.386	126149.05	0.0613	P	2.5
5	☐	125.000	124.070	316312.17	0.1537	P	0.1
6	☐	250.000	247.955	637469.87	0.3070	P	1.4
7	☐	500.000	499.664	1278502.09	0.6185	P	1.0
8	☐	1000.000	1000.826	2543971.70	1.2385	A	0.8
9	☐			3919.24	0.0021	P	4.7

$$y = 0.0012 * x + 2.1802E-004$$

$$R = 1.0000$$

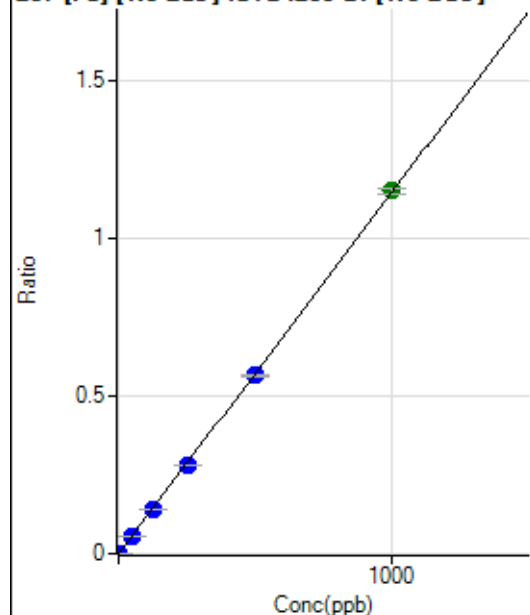
$$DL = 0.05744$$

$$BEC = 0.1762$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	364.83	0.0002	P	21.5
2	☐	0.100					
3	☐	1.000	0.858	2337.32	0.0012	P	2.0
4	☐	50.000	48.502	114441.03	0.0556	P	1.4
5	☐	125.000	121.635	286459.70	0.1392	P	0.2
6	☐	250.000	244.459	580606.31	0.2796	P	1.4
7	☐	500.000	493.552	1166720.02	0.5644	P	0.5
8	☐	1000.000	1005.105	2360256.88	1.1491	A	1.4
9	☐			3483.91	0.0019	P	3.2

$$y = 0.0011 * x + 1.8140E-004$$

$$R = 1.0000$$

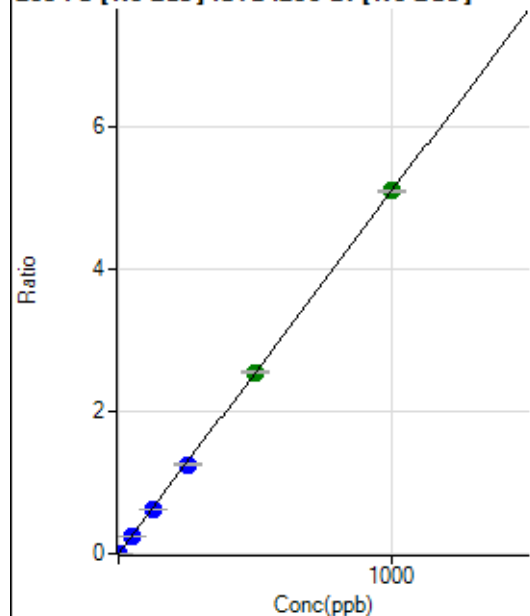
$$DL = 0.1022$$

$$BEC = 0.1587$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1674.17	0.0008	P	6.1
2	☐	0.100					
3	☐	1.000	0.885	10724.37	0.0053	P	3.4
4	☐	50.000	48.622	510440.08	0.2481	P	1.6
5	☐	125.000	122.075	1279120.88	0.6217	P	0.2
6	☐	250.000	245.927	2598723.08	1.2515	P	1.0
7	☐	500.000	500.308	5261807.45	2.5452	A	0.6
8	☐	1000.000	1001.299	10461137.21	5.0931	A	0.4
9	☐			15680.16	0.0083	P	3.5

$$y = 0.0051 * x + 8.3150E-004$$

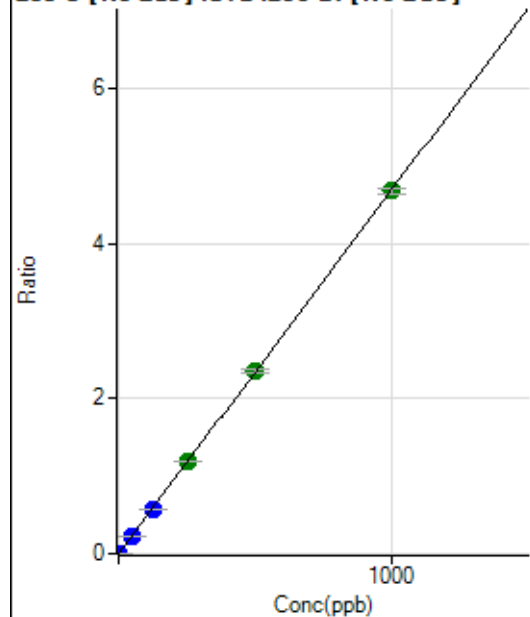
$$R = 1.0000$$

$$DL = 0.03005$$

$$BEC = 0.1635$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	563.93	0.0003	P	16.1
2	☐	0.100					
3	☐	1.000	0.896	9014.79	0.0045	P	4.8
4	☐	50.000	47.812	462067.27	0.2246	P	2.0
5	☐	125.000	121.815	1176519.09	0.5718	P	0.8
6	☐	250.000	254.920	2483975.42	1.1963	A	1.1
7	☐	500.000	502.690	4875944.55	2.3587	A	1.7
8	☐	1000.000	997.932	9617182.25	4.6822	A	1.3
9	☐			655.61	0.0003	P	20.7

$$y = 0.0047 * x + 2.7990E-004$$

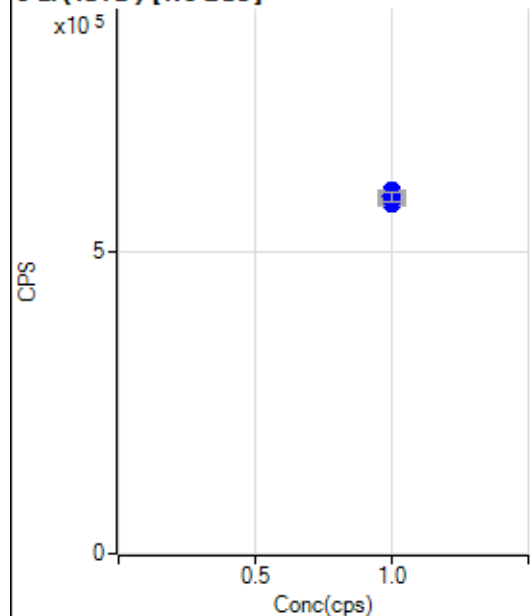
$$R = 1.0000$$

$$DL = 0.02878$$

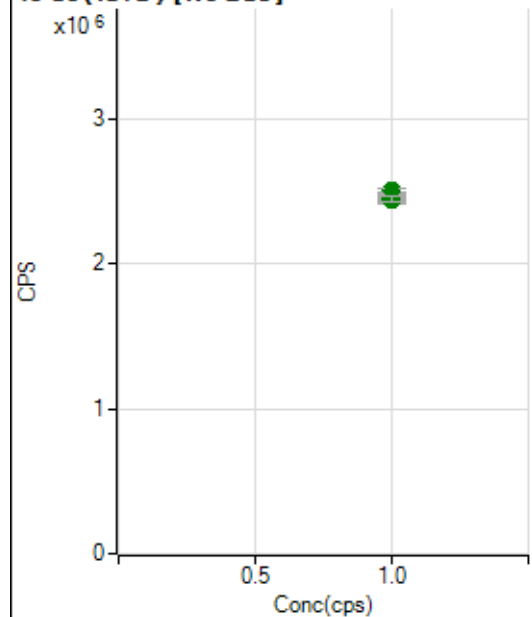
$$BEC = 0.05966$$

Weight: <None>

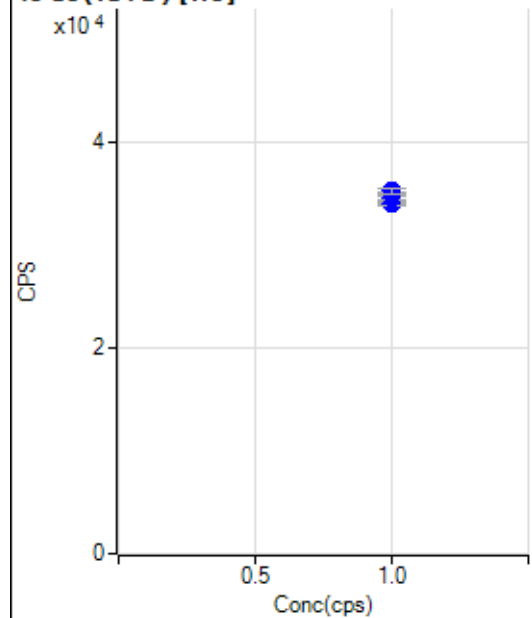
Min Conc: 0

6 Li (ISTD) [No Gas]

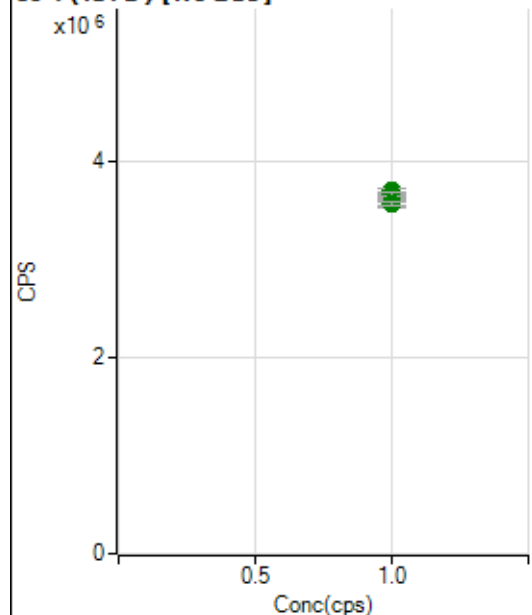
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		581871.18		P	0.7
2	☐	1.000					
3	☐	1.000		577571.81		P	0.1
4	☐	1.000		589649.65		P	0.4
5	☐	1.000		584959.79		P	0.5
6	☐	1.000		598725.93		P	0.8
7	☐	1.000		600193.43		P	0.5
8	☐	1.000		591320.94		P	0.7
9	☐	1.000		590829.68		P	2.5

45 Sc (ISTD) [No Gas]

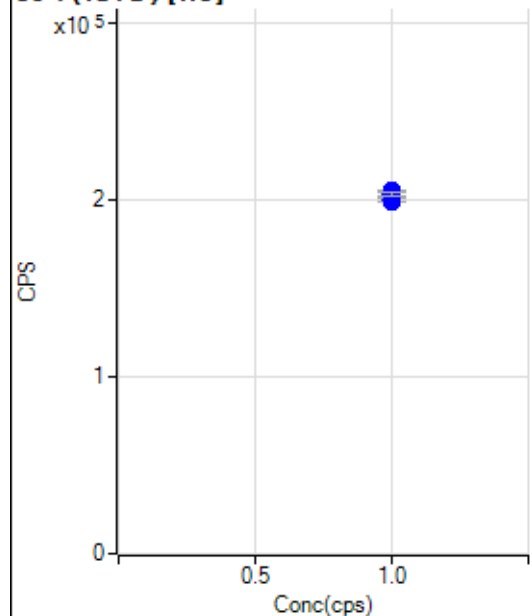
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2437696.82		A	1.2
2	☐	1.000					
3	☐	1.000		2457668.93		A	1.6
4	☐	1.000		2505813.81		A	1.3
5	☐	1.000		2489843.83		A	0.4
6	☐	1.000		2481554.59		A	0.5
7	☐	1.000		2457377.38		A	1.2
8	☐	1.000		2478288.68		A	0.6
9	☐	1.000		2447090.14		A	1.8

45 Sc (ISTD) [He]

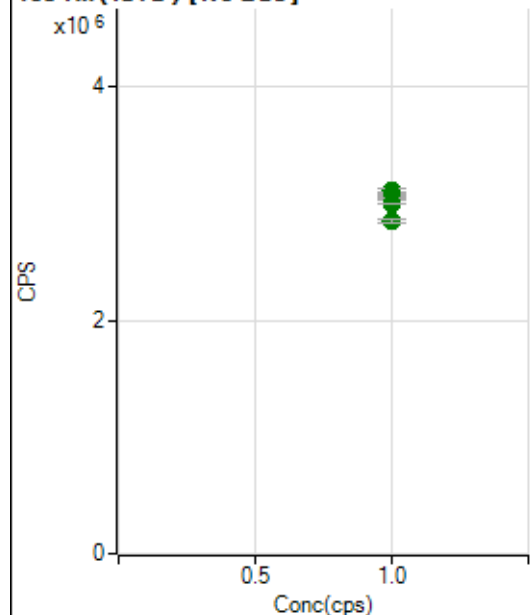
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		34137.10		P	0.8
2	☐	1.000					
3	☐	1.000		34626.12		P	0.9
4	☐	1.000		34499.19		P	2.5
5	☐	1.000		34081.43		P	1.2
6	☐	1.000		34992.48		P	0.3
7	☐	1.000		34691.80		P	1.2
8	☐	1.000		35115.11		P	0.9
9	☐	1.000		35335.69		P	1.3

89 Y (ISTD) [No Gas]

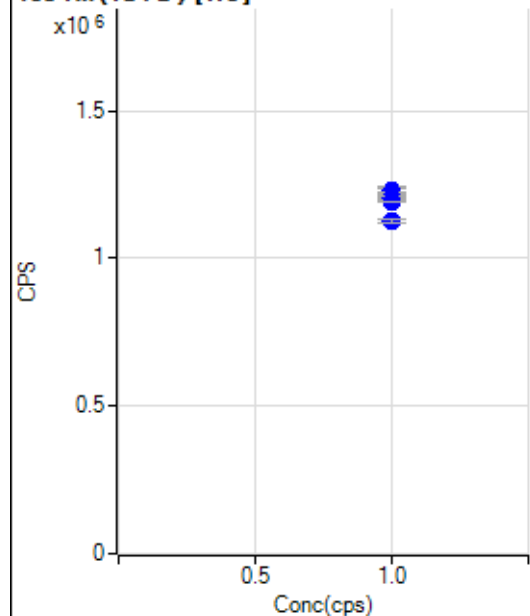
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3566877.86		A	1.5
2	☐	1.000					
3	☐	1.000		3576658.45		A	1.7
4	☐	1.000		3681969.95		A	0.4
5	☐	1.000		3630804.74		A	0.4
6	☐	1.000		3706258.94		A	1.3
7	☐	1.000		3643694.57		A	1.0
8	☐	1.000		3677632.83		A	0.8
9	☐	1.000		3578730.15		A	1.4

89 Y (ISTD) [He]

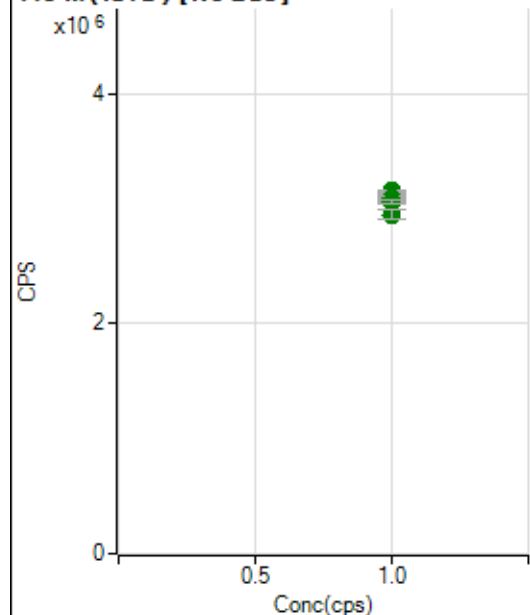
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		198514.45		P	0.4
2	☐	1.000					
3	☐	1.000		200600.66		P	1.5
4	☐	1.000		201555.71		P	3.2
5	☐	1.000		199935.10		P	1.0
6	☐	1.000		203351.81		P	1.2
7	☐	1.000		201044.24		P	0.7
8	☐	1.000		204724.44		P	0.8
9	☐	1.000		203049.05		P	1.0

103 Rh (ISTD) [No Gas]

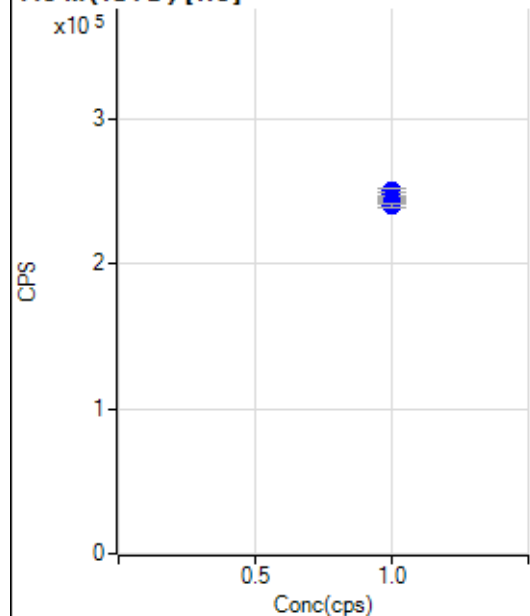
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3028421.01		A	0.5
2	☐	1.000					
3	☐	1.000		3077017.36		A	0.5
4	☐	1.000		3105881.64		A	1.1
5	☐	1.000		3069979.63		A	1.0
6	☐	1.000		3079698.72		A	0.3
7	☐	1.000		3043324.51		A	0.4
8	☐	1.000		2996890.02		A	0.3
9	☐	1.000		2846681.94		A	1.5

103 Rh (ISTD) [He]

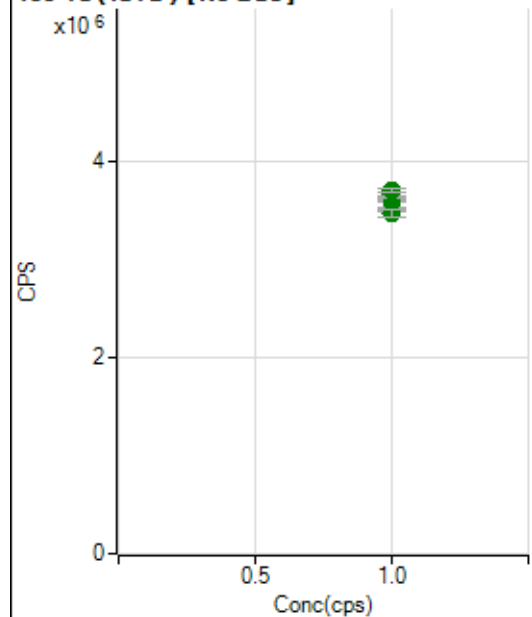
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1202398.43		P	0.1
2	☐	1.000					
3	☐	1.000		1228093.25		P	1.2
4	☐	1.000		1227543.49		P	2.6
5	☐	1.000		1213710.16		P	0.4
6	☐	1.000		1221713.41		P	0.7
7	☐	1.000		1204290.12		P	0.7
8	☐	1.000		1191792.13		P	0.4
9	☐	1.000		1126806.50		P	1.3

115 In (ISTD) [No Gas]

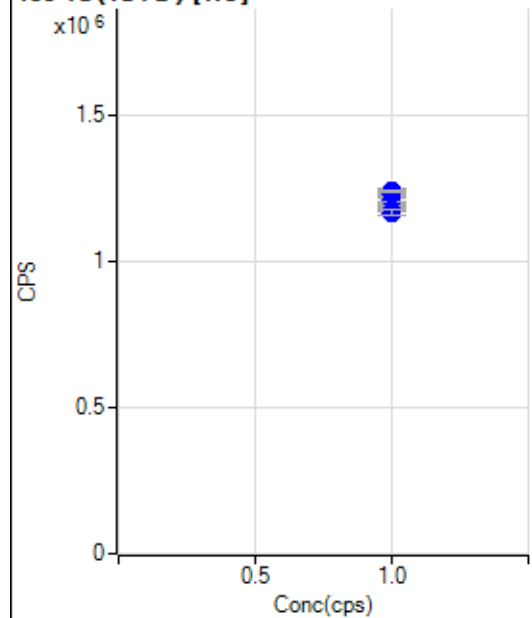
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3078447.96		A	0.6
2	☐	1.000					
3	☐	1.000		3076511.04		A	0.8
4	☐	1.000		3143220.83		A	0.5
5	☐	1.000		3097461.90		A	1.2
6	☐	1.000		3155731.55		A	0.4
7	☐	1.000		3099075.65		A	1.0
8	☐	1.000		3063608.33		A	1.0
9	☐	1.000		2950773.27		A	2.7

115 In (ISTD) [He]

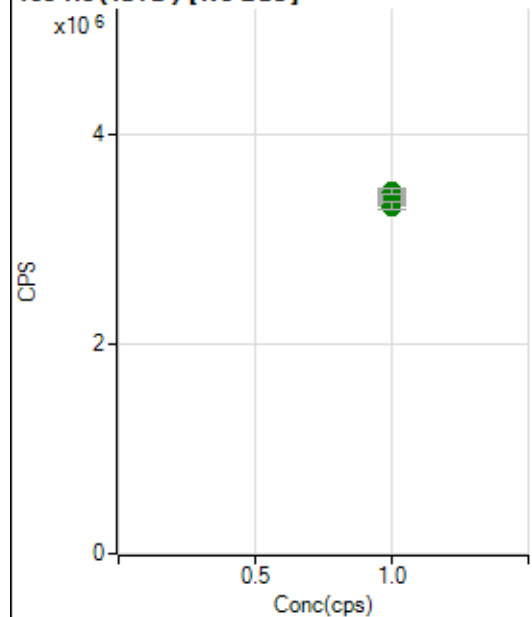
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		243724.72		P	0.9
2	☐	1.000					
3	☐	1.000		248561.62		P	1.3
4	☐	1.000		249297.83		P	2.3
5	☐	1.000		246645.22		P	0.5
6	☐	1.000		250416.25		P	1.1
7	☐	1.000		246100.39		P	0.8
8	☐	1.000		242377.45		P	0.8
9	☐	1.000		240009.76		P	0.9

159 Tb (ISTD) [No Gas]

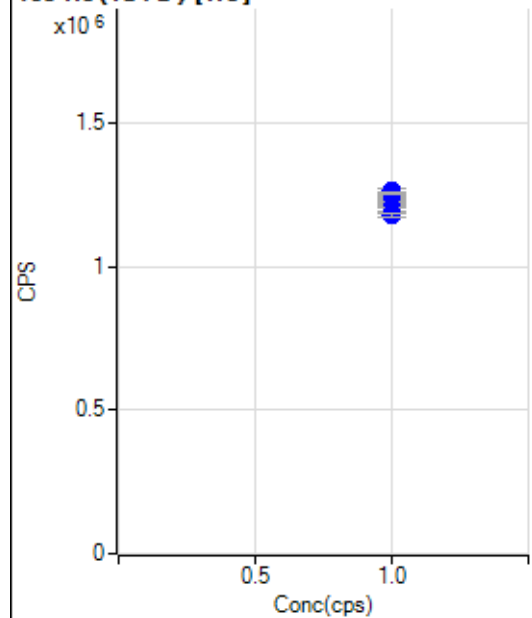
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3498804.43		A	0.8
2	☐	1.000					
3	☐	1.000		3512827.00		A	1.2
4	☐	1.000		3610491.86		A	0.6
5	☐	1.000		3606025.57		A	0.3
6	☐	1.000		3669456.30		A	0.8
7	☐	1.000		3640166.86		A	1.0
8	☐	1.000		3701844.60		A	1.2
9	☐	1.000		3475619.01		A	2.1

159 Tb (ISTD) [He]

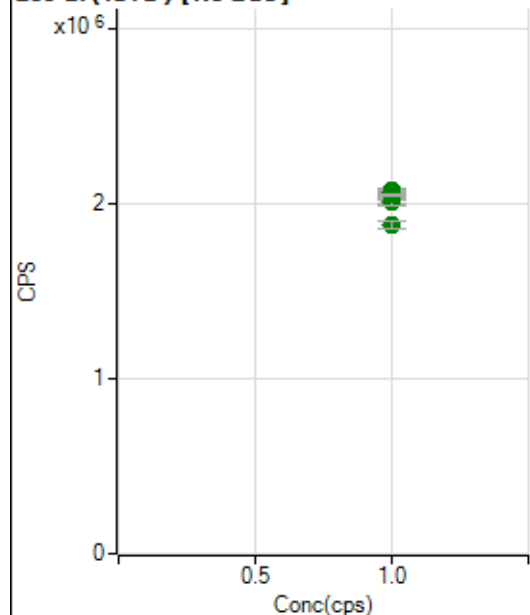
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1174738.16		P	0.8
2	☐	1.000					
3	☐	1.000		1198503.31		P	0.9
4	☐	1.000		1209434.06		P	3.0
5	☐	1.000		1211185.71		P	1.0
6	☐	1.000		1239426.48		P	1.0
7	☐	1.000		1227423.24		P	0.8
8	☐	1.000		1237943.02		P	0.5
9	☐	1.000		1165365.61		P	1.3

165 Ho (ISTD) [No Gas]

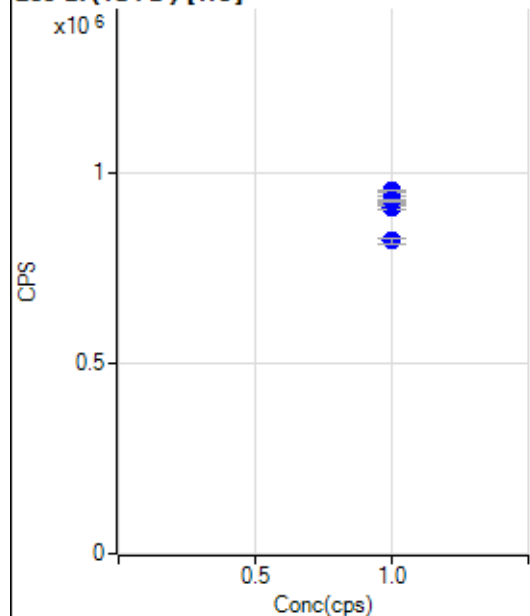
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3310791.46		A	0.8
2	☐	1.000					
3	☐	1.000		3338123.25		A	0.8
4	☐	1.000		3388232.93		A	0.5
5	☐	1.000		3424831.93		A	0.4
6	☐	1.000		3467132.63		A	0.3
7	☐	1.000		3456020.78		A	0.7
8	☐	1.000		3461704.59		A	1.6
9	☐	1.000		3324558.49		A	2.1

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1191520.97		P	0.3
2	☐	1.000					
3	☐	1.000		1213135.48		P	1.2
4	☐	1.000		1225254.12		P	2.0
5	☐	1.000		1227723.03		P	0.6
6	☐	1.000		1263393.06		P	1.0
7	☐	1.000		1247325.77		P	0.5
8	☐	1.000		1255866.41		P	0.1
9	☐	1.000		1181113.05		P	1.2

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2014414.31		A	1.3
2	☐	1.000					
3	☐	1.000		2011525.86		A	2.1
4	☐	1.000		2057724.83		A	1.7
5	☐	1.000		2057593.65		A	0.1
6	☐	1.000		2076599.50		A	1.2
7	☐	1.000		2067418.34		A	1.1
8	☐	1.000		2054000.07		A	0.2
9	☐	1.000		1883116.19		A	2.7

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		909670.22		P	0.9
2	☐	1.000					
3	☐	1.000		922310.32		P	1.3
4	☐	1.000		929511.13		P	2.3
5	☐	1.000		927104.98		P	0.5
6	☐	1.000		952436.65		P	0.4
7	☐	1.000		930635.66		P	1.3
8	☐	1.000		927584.40		P	0.3
9	☐	1.000		820792.99		P	2.2

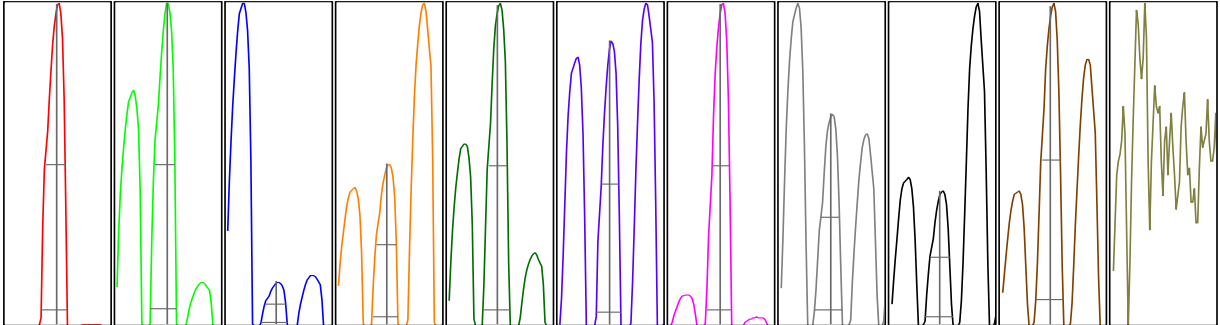
US EPA Tune Check Sample Report

Batch Folder D:\P8030419MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	3815	0.55	5.00	
24	42412	0.58	5.00	
25	5773	0.44	5.00	
26	6761	0.43	5.00	
59	32404	0.38	5.00	
113	3855	0.54	5.00	
115	45211	0.42	5.00	
206	8645	0.30	5.00	
207	7914	0.56	5.00	
208	18707	0.76	5.00	
220	1	18.27		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	3836	3821	3805	3828	3783
24	42538	42304	42783	42252	42184
25	5799	5793	5780	5749	5744
26	6781	6745	6787	6773	6717
59	32361	32341	32567	32493	32257
113	3865	3875	3858	3856	3820
115	45103	45334	45414	45260	44943
206	8663	8643	8671	8645	8605
207	7918	7894	7973	7930	7853
208	18701	18806	18849	18693	18483
220	1	1	1	1	2

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width-X% (Flag)
9	7056	9.00	8.9 - 9.1		0.738	0.900	
24	77752	24.00	23.9 - 24.1		0.736	0.900	
25	10422	24.95	24.9 - 25.1		0.739	0.900	
26	12254	25.95	25.9 - 26.1		0.736	0.900	
59	60884	58.95	58.9 - 59.1		0.768	0.900	
113	7667	113.00	112.9 - 113.1		0.690	0.900	
115	88876	115.00	114.9 - 115.1		0.724	0.900	
206	16224	206.00	205.9 - 206.1		0.781	0.900	
207	14653	206.95	206.9 - 207.1		0.772	0.900	
208	34875	207.95	207.9 - 208.1		0.778	0.900	
220			-				

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

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.6	V	Deflect	15.4	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-115	V	Cell Exit	-50	V			

Cell Parameters

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

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	6457	4.14	
89	2806	3.71	
205	7041	2.11	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	6920	6412	6405	6281	6266
89	2990	2766	2783	2733	2760
205	7292	6969	7047	6908	6990

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.6	V	Deflect	3.2	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-115	V	Cell Exit	-60	V			

Cell Parameters

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

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S0 Instrumnet Name : P8
 Client Sample ID : S0 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:27:14 DataFile Name : 003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.25	-0.93	-0.32	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-1	-0.01	-0.02	0.03	0.00	N/A	ppb
Barium	135-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Barium	137-1	-0.03	0.03	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	-0.02	0.02	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	11-1	0.04	0.11	-0.14	0.00	N/A	ppb
Boron	10-1	0.06	0.00	-0.06	0.00	N/A	ppb
Cadmium	106-1	-0.64	0.39	0.25	0.00	N/A	ppb
Cadmium	108-1	-0.02	-0.02	0.03	0.00	N/A	ppb
Cadmium	111-1	-0.05	0.03	0.02	0.00	N/A	ppb
Calcium	43-1	-0.60	-1.47	2.07	0.00	N/A	ppb
Calcium	44-1	2.08	0.01	-2.09	0.00	N/A	ppb
Chromium	52-2	-0.05	-0.04	0.09	0.00	N/A	ppb
Cobalt	59-2	0.00	-0.02	0.02	0.00	N/A	ppb
Copper	63-2	-0.01	0.06	-0.06	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.04	-0.14	0.10	0.00	N/A	ppb
Iron	57-2	-0.16	0.94	-0.78	0.00	N/A	ppb
Krypton	83-1						cps
Lead	207-1	-0.02	-0.02	0.04	0.00	N/A	ppb
Lead	208-1	-0.01	0.01	0.01	0.00	N/A	ppb
Lead	206-1	-0.02	0.02	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-1.61	1.06	0.55	0.00	N/A	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:27:14	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	94-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	95-1	-0.01	0.01	-0.01	0.00	N/A	ppb
Molybdenum	96-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.01	0.01	-0.02	0.00	N/A	ppb
Molybdenum	98-1	-0.01	0.01	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	0.03	0.01	0.00	N/A	ppb
Phosphorus	31-2	-37.30	-25.90	-48.57	-37.25		ppb
Potassium	39-2	-1.41	-6.30	7.71	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.73	0.36	0.37	0.00	N/A	ppb
Selenium	82-1	-0.59	-1.20	1.79	0.00	N/A	ppb
Silicon	28-1	0.92	0.87	-1.80	0.00	N/A	ppb
Silver	109-1	0.00	-0.01	0.00	0.00	N/A	ppb
Silver	107-1	0.01	-0.01	0.00	0.00	N/A	ppb
Sodium	23-2	0.07	0.66	-0.73	0.00	N/A	ppb
Strontium	86-1	-0.03	0.04	-0.02	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	293.46	-98.42	-418.48	-74.48		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.01	-0.02	0.01	0.00	N/A	ppb
Thallium	205-1	0.01	-0.02	0.01	0.00	N/A	ppb
Tin	118-1	0.01	0.00	-0.01	0.00	N/A	ppb
Titanium	47-1	-0.02	-0.01	0.02	0.00	N/A	ppb
Uranium	238-1	0.01	-0.01	0.01	0.00	N/A	ppb
Vanadium	51-2	-0.01	0.00	0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.04	0.01	-0.05	0.00	N/A	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:27:14	DataFile Name :	003CALB.d

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

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:34:48	DataFile Name :	005CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.26	21.34	18.44	18.68	13.65	ppb
Antimony	121-1	1.80	1.80	1.79	1.80	0.39	ppb
Arsenic	75-1	0.93	1.03	0.91	0.96	6.51	ppb
Barium	135-1	10.09	10.23	9.88	10.06	1.75	ppb
Barium	137-1	10.25	9.58	9.19	9.68	5.54	ppb
Beryllium	9-1	0.87	0.90	0.94	0.90	3.83	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Boron	11-1	24.13	23.54	24.27	23.98	1.62	ppb
Boron	10-1	25.18	24.65	25.01	24.95	1.07	ppb
Cadmium	106-1	1.05	0.82	1.26	1.04	20.98	ppb
Cadmium	108-1	0.64	1.04	0.96	0.88	24.19	ppb
Cadmium	111-1	1.02	0.94	0.94	0.97	4.88	ppb
Calcium	43-1	468.36	448.32	454.46	457.04	2.25	ppb
Calcium	44-1	474.26	451.03	456.45	460.58	2.64	ppb
Chromium	52-2	1.82	2.10	1.86	1.93	7.91	ppb
Cobalt	59-2	0.90	0.91	0.91	0.91	1.11	ppb
Copper	63-2	1.89	1.96	1.97	1.94	2.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				102		%
Iron	56-2	51.28	51.78	51.99	51.69	0.71	ppb
Iron	57-2	52.49	53.19	55.29	53.66	2.72	ppb
Krypton	83-1						cps
Lead	207-1	0.84	0.85	0.88	0.86	2.32	ppb
Lead	208-1	0.93	0.86	0.87	0.89	4.07	ppb
Lead	206-1	0.89	0.87	0.84	0.87	2.94	ppb
Lithium	6-1				99		%
Magnesium	24-2	522.83	507.74	485.38	505.32	3.73	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:34:48	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.99	1.16	1.09	1.08	7.89	ppb
Molybdenum	94-1	4.82	4.42	4.60	4.61	4.32	ppb
Molybdenum	95-1	4.49	4.41	4.92	4.61	5.90	ppb
Molybdenum	96-1	4.62	4.81	4.60	4.68	2.44	ppb
Molybdenum	97-1	4.69	4.40	4.54	4.54	3.21	ppb
Molybdenum	98-1	4.66	4.39	4.61	4.55	3.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.10	1.07	0.91	1.03	9.87	ppb
Phosphorus	31-2	29.95	41.68	40.13	37.25	17.11	ppb
Potassium	39-2	480.35	473.61	459.73	471.23	2.23	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	77-2	9.99	6.71	3.25	6.65	50.64	ppb
Selenium	78-2	7.42	4.75	4.57	5.58	28.61	ppb
Selenium	82-1	5.41	4.84	4.15	4.80	13.15	ppb
Silicon	28-1	11.29	6.40	8.68	8.79	27.84	ppb
Silver	109-1	0.98	1.04	1.00	1.01	2.84	ppb
Silver	107-1	1.05	1.10	1.04	1.06	3.02	ppb
Sodium	23-2	471.13	482.73	469.69	474.52	1.51	ppb
Strontium	86-1	0.74	0.76	0.83	0.78	6.37	ppb
Strontium	88-1	0.82	0.82	0.80	0.82	1.42	ppb
Sulfur	34-1	669.61	-367.86	-78.31	74.48	718.78	ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.92	0.87	0.83	0.88	5.20	ppb
Thallium	205-1	0.95	0.92	0.94	0.94	1.89	ppb
Tin	118-1	4.82	4.81	5.11	4.91	3.50	ppb
Titanium	47-1	4.88	4.84	4.72	4.81	1.77	ppb
Uranium	238-1	0.91	0.84	0.93	0.90	5.07	ppb
Vanadium	51-2	5.19	4.65	4.86	4.90	5.63	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	1.92	1.84	1.62	1.79	8.80	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:34:48	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.88	0.84	0.86	0.86	2.46	ppb
Zirconium	91-1	0.98	0.92	0.84	0.91	7.26	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:38:45	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	994.69	1035.28	1004.82	1011.60	2.09	ppb
Antimony	121-1	49.39	49.92	48.64	49.32	1.30	ppb
Arsenic	75-1	49.43	50.57	48.17	49.39	2.43	ppb
Barium	135-1	246.52	249.64	247.98	248.05	0.63	ppb
Barium	137-1	251.42	255.40	252.13	252.98	0.84	ppb
Beryllium	9-1	51.02	50.70	50.38	50.70	0.63	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Boron	11-1	48.05	47.89	50.58	48.84	3.09	ppb
Boron	10-1	51.84	50.57	46.90	49.77	5.15	ppb
Cadmium	106-1	50.67	53.37	49.16	51.07	4.17	ppb
Cadmium	108-1	53.04	48.97	49.16	50.39	4.55	ppb
Cadmium	111-1	50.52	52.38	49.90	50.93	2.53	ppb
Calcium	43-1	4946.18	5036.26	4864.70	4949.05	1.73	ppb
Calcium	44-1	5015.44	5025.65	4861.28	4967.46	1.85	ppb
Chromium	52-2	49.90	52.85	51.74	51.50	2.89	ppb
Cobalt	59-2	49.93	53.53	52.40	51.95	3.55	ppb
Copper	63-2	100.84	107.01	105.44	104.43	3.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	2600.71	2753.36	2733.54	2695.87	3.08	ppb
Iron	57-2	2541.00	2661.02	2703.88	2635.30	3.20	ppb
Krypton	83-1						cps
Lead	207-1	47.86	49.17	48.47	48.50	1.36	ppb
Lead	208-1	47.87	49.41	48.58	48.62	1.58	ppb
Lead	206-1	48.12	50.62	49.41	49.39	2.53	ppb
Lithium	6-1				101		%
Magnesium	24-2	5081.94	5386.57	5241.85	5236.79	2.91	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:38:45	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	100.54	105.40	103.15	103.03	2.36	ppb
Molybdenum	94-1	248.09	248.76	244.29	247.05	0.98	ppb
Molybdenum	95-1	242.98	249.46	243.39	245.28	1.48	ppb
Molybdenum	96-1	242.44	245.52	242.06	243.34	0.78	ppb
Molybdenum	97-1	244.03	247.32	244.86	245.40	0.70	ppb
Molybdenum	98-1	243.37	247.48	246.10	245.65	0.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.58	53.30	52.91	52.59	1.71	ppb
Phosphorus	31-2	890.76	1039.59	1165.28	1031.88	13.32	ppb
Potassium	39-2	2431.61	2593.64	2504.38	2509.88	3.23	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				101		%
Selenium	77-2	47.87	47.57	49.69	48.38	2.37	ppb
Selenium	78-2	48.18	49.16	47.36	48.24	1.87	ppb
Selenium	82-1	48.01	50.69	50.37	49.69	2.94	ppb
Silicon	28-1	59.31	70.22	56.72	62.08	11.54	ppb
Silver	109-1	51.22	50.82	51.20	51.08	0.43	ppb
Silver	107-1	51.75	50.82	51.17	51.24	0.92	ppb
Sodium	23-2	5073.74	5275.09	5254.16	5201.00	2.13	ppb
Strontium	86-1	49.22	49.44	49.21	49.29	0.27	ppb
Strontium	88-1	50.44	50.40	49.57	50.14	0.98	ppb
Sulfur	34-1	822.56	554.28	-11.45	455.13	93.54	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	48.21	49.69	49.27	49.06	1.55	ppb
Thallium	205-1	48.50	50.68	49.91	49.70	2.22	ppb
Tin	118-1	50.28	49.98	49.47	49.91	0.83	ppb
Titanium	47-1	251.98	247.85	241.43	247.09	2.15	ppb
Uranium	238-1	47.04	48.87	47.52	47.81	1.99	ppb
Vanadium	51-2	49.19	51.98	50.96	50.71	2.79	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	101.90	107.86	107.15	105.64	3.08	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:38:45	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	49.38	50.06	48.91	49.45	1.17	ppb
Zirconium	91-1	49.46	49.14	48.31	48.97	1.21	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:42:39 DataFile Name : 007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2432.31	2520.65	2512.43	2488.46	1.96	ppb
Antimony	121-1	127.13	124.11	124.28	125.18	1.35	ppb
Arsenic	75-1	123.69	124.28	123.85	123.94	0.25	ppb
Barium	135-1	633.03	623.69	626.26	627.66	0.77	ppb
Barium	137-1	640.25	633.23	633.96	635.81	0.61	ppb
Beryllium	9-1	127.24	125.65	128.07	126.99	0.97	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Boron	11-1	125.82	123.50	126.74	125.35	1.33	ppb
Boron	10-1	121.34	124.85	133.08	126.42	4.76	ppb
Cadmium	106-1	130.40	123.68	132.61	128.90	3.61	ppb
Cadmium	108-1	132.89	126.61	127.08	128.86	2.72	ppb
Cadmium	111-1	128.88	128.78	127.66	128.44	0.53	ppb
Calcium	43-1	12192.69	12302.96	12344.28	12279.98	0.64	ppb
Calcium	44-1	12312.49	12323.36	12380.59	12338.81	0.30	ppb
Chromium	52-2	127.62	130.59	131.99	130.07	1.72	ppb
Cobalt	59-2	127.33	131.51	130.68	129.84	1.70	ppb
Copper	63-2	255.00	260.65	265.53	260.39	2.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	6488.17	6659.57	6786.11	6644.62	2.25	ppb
Iron	57-2	6458.84	6542.97	6599.16	6533.66	1.08	ppb
Krypton	83-1						cps
Lead	207-1	121.45	121.98	121.48	121.63	0.24	ppb
Lead	208-1	121.87	122.28	122.08	122.07	0.17	ppb
Lead	206-1	124.11	124.16	123.94	124.07	0.09	ppb
Lithium	6-1				101		%
Magnesium	24-2	12772.97	13038.15	13048.73	12953.29	1.21	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:42:39	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	253.40	257.63	259.22	256.75	1.17	ppb
Molybdenum	94-1	622.54	630.25	617.11	623.30	1.06	ppb
Molybdenum	95-1	633.90	635.62	628.29	632.60	0.61	ppb
Molybdenum	96-1	625.75	639.63	622.27	629.22	1.46	ppb
Molybdenum	97-1	623.93	626.15	612.11	620.73	1.22	ppb
Molybdenum	98-1	634.09	631.80	631.84	632.58	0.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	130.79	131.88	133.82	132.16	1.16	ppb
Phosphorus	31-2	2318.77	2564.20	2595.39	2492.79	6.08	ppb
Potassium	39-2	6108.71	6312.79	6351.20	6257.57	2.08	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	77-2	165.36	161.88	111.06	146.10	20.81	ppb
Selenium	78-2	113.10	126.99	142.01	127.37	11.36	ppb
Selenium	82-1	126.20	129.36	124.73	126.76	1.87	ppb
Silicon	28-1	157.46	157.53	155.15	156.72	0.86	ppb
Silver	109-1	128.95	127.47	127.99	128.14	0.58	ppb
Silver	107-1	128.51	126.66	128.25	127.81	0.78	ppb
Sodium	23-2	13064.04	13314.24	13322.90	13233.73	1.11	ppb
Strontium	86-1	124.94	122.49	122.71	123.38	1.10	ppb
Strontium	88-1	129.79	125.82	127.75	127.78	1.56	ppb
Sulfur	34-1	2686.27	1892.29	1617.20	2065.25	26.88	ppb
Terbium	159-1				103		%
Terbium	159-2				103		%
Thallium	203-1	121.88	122.18	122.93	122.33	0.44	ppb
Thallium	205-1	125.85	124.36	125.00	125.07	0.60	ppb
Tin	118-1	126.34	124.30	124.28	124.97	0.95	ppb
Titanium	47-1	612.81	620.59	616.77	616.73	0.63	ppb
Uranium	238-1	121.75	120.88	122.81	121.81	0.79	ppb
Vanadium	51-2	125.71	128.47	129.81	128.00	1.63	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	259.39	265.93	266.80	264.04	1.53	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:42:39	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	124.77	124.03	123.70	124.17	0.44	ppb
Zirconium	91-1	122.91	123.75	123.68	123.45	0.38	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:46:31	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4845.36	4810.36	4787.48	4814.40	0.61	ppb
Antimony	121-1	249.42	248.58	251.08	249.69	0.51	ppb
Arsenic	75-1	249.23	250.08	250.59	249.97	0.27	ppb
Barium	135-1	1236.99	1252.55	1260.95	1250.16	0.97	ppb
Barium	137-1	1258.80	1281.06	1280.47	1273.44	1.00	ppb
Beryllium	9-1	245.32	250.36	250.26	248.65	1.16	ppb
Bismuth	209-1				103		%
Bismuth	209-2				105		%
Boron	11-1	238.63	249.64	250.62	246.30	2.70	ppb
Boron	10-1	238.63	250.01	248.85	245.83	2.55	ppb
Cadmium	106-1	251.68	253.02	255.65	253.45	0.80	ppb
Cadmium	108-1	252.05	255.91	257.26	255.08	1.06	ppb
Cadmium	111-1	255.67	254.28	255.73	255.23	0.32	ppb
Calcium	43-1	24377.94	24821.77	24412.02	24537.24	1.01	ppb
Calcium	44-1	24253.10	24622.32	24275.18	24383.53	0.85	ppb
Chromium	52-2	252.58	252.42	254.83	253.28	0.53	ppb
Cobalt	59-2	252.33	251.09	252.52	251.98	0.31	ppb
Copper	63-2	505.23	505.19	503.72	504.72	0.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	12818.93	12778.65	12864.54	12820.71	0.34	ppb
Iron	57-2	12834.69	12878.92	12763.54	12825.71	0.45	ppb
Krypton	83-1						cps
Lead	207-1	240.68	245.93	246.77	244.46	1.35	ppb
Lead	208-1	243.33	246.22	248.23	245.93	1.00	ppb
Lead	206-1	244.67	247.64	251.56	247.95	1.39	ppb
Lithium	6-1				103		%
Magnesium	24-2	25316.51	25084.60	25041.24	25147.45	0.59	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:46:31	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	506.15	501.93	499.95	502.68	0.63	ppb
Molybdenum	94-1	1250.97	1251.41	1244.48	1248.95	0.31	ppb
Molybdenum	95-1	1248.20	1256.42	1250.42	1251.68	0.34	ppb
Molybdenum	96-1	1244.63	1252.61	1257.78	1251.67	0.53	ppb
Molybdenum	97-1	1240.15	1252.79	1266.70	1253.21	1.06	ppb
Molybdenum	98-1	1235.38	1242.11	1257.98	1245.16	0.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	260.70	254.68	254.77	256.72	1.34	ppb
Phosphorus	31-2	5190.77	4755.68	4875.74	4940.73	4.55	ppb
Potassium	39-2	12102.86	12144.38	12168.75	12138.66	0.27	ppb
Rhodium	103-1				102		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	77-2	270.55	190.95	212.01	224.51	18.37	ppb
Selenium	78-2	257.15	262.71	256.50	258.79	1.32	ppb
Selenium	82-1	247.29	252.63	250.88	250.27	1.09	ppb
Silicon	28-1	258.94	269.93	266.62	265.16	2.13	ppb
Silver	109-1	253.66	256.44	255.25	255.12	0.55	ppb
Silver	107-1	251.89	256.05	253.96	253.97	0.82	ppb
Sodium	23-2	25778.35	25755.99	25541.36	25691.90	0.51	ppb
Strontium	86-1	241.58	248.61	249.75	246.65	1.79	ppb
Strontium	88-1	245.90	250.90	255.20	250.67	1.86	ppb
Sulfur	34-1	4964.92	5392.18	4732.95	5030.02	6.65	ppb
Terbium	159-1				105		%
Terbium	159-2				106		%
Thallium	203-1	245.20	245.61	250.35	247.05	1.16	ppb
Thallium	205-1	247.36	254.27	258.90	253.51	2.29	ppb
Tin	118-1	248.14	248.30	251.94	249.46	0.86	ppb
Titanium	47-1	1239.12	1254.64	1240.90	1244.89	0.68	ppb
Uranium	238-1	252.35	254.63	257.78	254.92	1.07	ppb
Vanadium	51-2	250.93	249.27	247.32	249.17	0.73	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	506.01	508.50	507.99	507.50	0.26	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:46:31	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	248.75	252.11	253.92	251.59	1.04	ppb
Zirconium	91-1	242.34	248.80	246.01	245.72	1.32	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:50:17	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9602.54	9861.51	9751.87	9738.64	1.33	ppb
Antimony	121-1	514.99	514.90	506.20	512.03	0.99	ppb
Arsenic	75-1	505.26	503.47	501.87	503.53	0.34	ppb
Barium	135-1	2550.20	2569.15	2532.33	2550.56	0.72	ppb
Barium	137-1	2558.46	2572.31	2536.52	2555.76	0.71	ppb
Beryllium	9-1	486.22	495.95	493.79	491.99	1.04	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Boron	11-1	495.43	499.98	501.48	498.97	0.63	ppb
Boron	10-1	490.40	513.53	497.82	500.58	2.36	ppb
Cadmium	106-1	523.77	514.15	504.74	514.22	1.85	ppb
Cadmium	108-1	519.74	520.00	504.90	514.88	1.68	ppb
Cadmium	111-1	515.21	518.44	510.43	514.69	0.78	ppb
Calcium	43-1	50269.98	49726.21	49220.44	49738.87	1.06	ppb
Calcium	44-1	49459.13	49230.06	48765.43	49151.54	0.72	ppb
Chromium	52-2	498.41	514.11	507.60	506.71	1.56	ppb
Cobalt	59-2	494.44	509.92	508.38	504.24	1.69	ppb
Copper	63-2	1000.00	1026.78	1006.63	1011.14	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	25300.66	26008.92	26011.87	25773.82	1.59	ppb
Iron	57-2	25281.14	25805.87	25635.91	25574.31	1.05	ppb
Krypton	83-1						cps
Lead	207-1	491.59	496.25	492.82	493.55	0.49	ppb
Lead	208-1	500.06	503.26	497.60	500.31	0.57	ppb
Lead	206-1	497.87	505.37	495.76	499.66	1.01	ppb
Lithium	6-1				103		%
Magnesium	24-2	50597.85	52588.33	51697.52	51627.90	1.93	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:50:17	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	992.73	1019.47	1012.63	1008.28	1.38	ppb
Molybdenum	94-1	2555.38	2529.26	2531.93	2538.86	0.57	ppb
Molybdenum	95-1	2563.60	2519.29	2509.47	2530.79	1.14	ppb
Molybdenum	96-1	2542.65	2539.41	2509.59	2530.55	0.72	ppb
Molybdenum	97-1	2542.38	2541.91	2528.23	2537.51	0.32	ppb
Molybdenum	98-1	2523.89	2536.82	2482.00	2514.24	1.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	504.26	519.17	516.32	513.25	1.54	ppb
Phosphorus	31-2	9722.17	10529.12	9564.19	9938.49	5.21	ppb
Potassium	39-2	24194.90	24964.55	24535.29	24564.91	1.57	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	77-2	551.31	534.50	472.32	519.38	8.01	ppb
Selenium	78-2	532.92	504.02	530.05	522.33	3.05	ppb
Selenium	82-1	507.12	507.88	506.91	507.30	0.10	ppb
Silicon	28-1	536.77	530.08	528.72	531.86	0.81	ppb
Silver	109-1	518.36	521.32	521.52	520.40	0.34	ppb
Silver	107-1	513.70	522.78	517.75	518.07	0.88	ppb
Sodium	23-2	50032.71	51631.96	50556.02	50740.23	1.61	ppb
Strontium	86-1	494.96	502.16	494.58	497.23	0.86	ppb
Strontium	88-1	500.25	505.48	504.91	503.55	0.57	ppb
Sulfur	34-1	12795.07	12117.71	11987.54	12300.11	3.52	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	507.04	506.74	484.75	499.51	2.56	ppb
Thallium	205-1	507.15	508.34	502.96	506.15	0.56	ppb
Tin	118-1	507.88	513.78	511.07	510.91	0.58	ppb
Titanium	47-1	2560.50	2589.47	2537.06	2562.34	1.02	ppb
Uranium	238-1	495.77	512.26	500.04	502.69	1.70	ppb
Vanadium	51-2	495.80	512.98	505.97	504.92	1.71	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	1002.68	1028.04	1022.48	1017.73	1.31	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:50:17	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	511.20	510.62	507.42	509.75	0.40	ppb
Zirconium	91-1	506.66	506.17	504.89	505.90	0.18	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:53:59 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19166.95	19068.19	19331.09	19188.75	0.69	ppb
Antimony	121-1	998.84	975.40	1007.98	994.08	1.69	ppb
Arsenic	75-1	997.38	991.98	1005.85	998.40	0.70	ppb
Barium	135-1	5047.17	4853.34	5022.83	4974.45	2.12	ppb
Barium	137-1	4963.49	4930.01	5000.77	4964.76	0.71	ppb
Beryllium	9-1	1007.98	1013.10	991.11	1004.06	1.15	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Boron	11-1	997.87	1006.73	999.85	1001.48	0.46	ppb
Boron	10-1	993.65	1010.56	997.55	1000.59	0.88	ppb
Cadmium	106-1	998.19	970.40	1005.87	991.49	1.88	ppb
Cadmium	108-1	1000.91	973.14	998.32	990.79	1.55	ppb
Cadmium	111-1	989.98	983.64	999.00	990.87	0.78	ppb
Calcium	43-1	98559.34	98704.75	99377.00	98880.36	0.44	ppb
Calcium	44-1	96823.85	97221.85	97843.34	97296.35	0.53	ppb
Chromium	52-2	995.72	986.92	1002.72	995.12	0.80	ppb
Cobalt	59-2	997.14	990.49	1002.41	996.68	0.60	ppb
Copper	63-2	2004.95	1970.71	1999.54	1991.73	0.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	50629.96	49991.11	51396.11	50672.39	1.39	ppb
Iron	57-2	50548.06	50086.84	50782.18	50472.36	0.70	ppb
Krypton	83-1						cps
Lead	207-1	1013.03	1012.90	989.39	1005.10	1.35	ppb
Lead	208-1	1004.72	1002.06	997.11	1001.30	0.39	ppb
Lead	206-1	992.08	1004.96	1005.43	1000.83	0.76	ppb
Lithium	6-1				102		%
Magnesium	24-2	100296.17	98577.86	99454.53	99442.85	0.86	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:53:59 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1986.09	1980.33	2016.16	1994.20	0.96	ppb
Molybdenum	94-1	4974.80	4926.99	5041.78	4981.19	1.16	ppb
Molybdenum	95-1	4999.18	4949.18	5002.06	4983.47	0.60	ppb
Molybdenum	96-1	4965.46	4968.86	5018.01	4984.11	0.59	ppb
Molybdenum	97-1	4932.67	4976.70	5034.25	4981.21	1.02	ppb
Molybdenum	98-1	5003.52	4969.22	5007.35	4993.36	0.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	994.96	980.48	996.58	990.67	0.89	ppb
Phosphorus	31-2	20356.75	19887.70	19890.18	20044.88	1.35	ppb
Potassium	39-2	48465.78	48319.31	48729.26	48504.78	0.43	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	77-2	896.97	1020.95	1064.44	994.12	8.74	ppb
Selenium	78-2	967.25	1017.11	974.92	986.43	2.72	ppb
Selenium	82-1	996.39	993.30	998.54	996.08	0.26	ppb
Silicon	28-1	975.77	974.98	976.41	975.72	0.07	ppb
Silver	109-1	991.59	976.91	995.73	988.07	1.00	ppb
Silver	107-1	998.64	972.24	997.79	989.56	1.52	ppb
Sodium	23-2	99888.60	97476.75	98694.83	98686.73	1.22	ppb
Strontium	86-1	1009.37	997.35	1000.66	1002.46	0.62	ppb
Strontium	88-1	997.01	999.27	996.83	997.70	0.14	ppb
Sulfur	34-1	18922.44	19407.40	18442.25	18924.03	2.55	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	997.11	1008.96	998.02	1001.36	0.66	ppb
Thallium	205-1	1000.93	995.46	991.77	996.05	0.46	ppb
Tin	118-1	990.43	985.75	1007.88	994.69	1.17	ppb
Titanium	47-1	4987.23	4953.62	4973.01	4971.29	0.34	ppb
Uranium	238-1	1012.18	993.65	987.96	997.93	1.27	ppb
Vanadium	51-2	990.79	992.20	1009.01	997.34	1.02	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	1980.40	1970.44	2010.84	1987.22	1.06	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:53:59	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	987.86	993.95	1002.77	994.86	0.75	ppb
Zirconium	91-1	996.64	1002.53	995.92	998.36	0.36	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:57:32	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	98524.65	101315.57	100753.30	100197.84	1.47	ppb
Antimony	121-1	1.14	1.18	1.20	1.17	2.90	ppb
Arsenic	75-1	1.39	1.53	1.35	1.42	6.80	ppb
Barium	135-1	0.59	0.36	0.39	0.45	28.08	ppb
Barium	137-1	0.46	0.46	0.39	0.44	8.88	ppb
Beryllium	9-1	0.20	0.16	0.13	0.16	21.10	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Boron	11-1	20.87	19.96	18.62	19.82	5.71	ppb
Boron	10-1	19.73	20.00	19.62	19.78	0.99	ppb
Cadmium	106-1	-0.55	0.89	-0.24	0.03	2322.75	ppb
Cadmium	108-1	-0.02	-0.07	0.09	0.00	5062.66	ppb
Cadmium	111-1	-0.01	0.12	0.00	0.04	192.99	ppb
Calcium	43-1	494899.79	512761.28	493176.63	500279.23	2.17	ppb
Calcium	44-1	492553.30	515617.14	493811.94	500660.79	2.59	ppb
Chromium	52-2	6.53	7.00	6.74	6.76	3.51	ppb
Cobalt	59-2	10.87	11.24	11.20	11.10	1.83	ppb
Copper	63-2	2.54	2.41	2.39	2.44	3.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	56-2	245651.04	254237.93	249391.87	249760.28	1.72	ppb
Iron	57-2	248235.62	254349.97	246884.50	249823.37	1.59	ppb
Krypton	83-1						cps
Lead	207-1	1.40	1.47	1.51	1.46	3.58	ppb
Lead	208-1	1.41	1.50	1.52	1.47	3.94	ppb
Lead	206-1	1.43	1.51	1.58	1.51	5.25	ppb
Lithium	6-1				102		%
Magnesium	24-2	490602.09	506352.49	502828.10	499927.56	1.65	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:57:32	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.37	7.07	7.59	7.35	3.56	ppb
Molybdenum	94-1	1.79	1.78	1.73	1.76	1.66	ppb
Molybdenum	95-1	2.29	2.16	2.15	2.20	3.46	ppb
Molybdenum	96-1	2.57	2.50	2.45	2.50	2.39	ppb
Molybdenum	97-1	2.25	1.94	2.05	2.08	7.53	ppb
Molybdenum	98-1	2.20	2.16	2.22	2.20	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	11.83	11.80	12.40	12.01	2.84	ppb
Phosphorus	31-2	-48.57	-26.43	-15.44	-30.15		ppb
Potassium	39-2	245591.63	253521.15	251968.39	250360.39	1.68	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				100		%
Scandium	45-2				104		%
Selenium	77-2	6.48	0.00	9.87	5.45	92.02	ppb
Selenium	78-2	0.31	0.34	-0.20	0.15	203.71	ppb
Selenium	82-1	-0.23	0.96	-0.14	0.20	338.26	ppb
Silicon	28-1	59.51	68.87	62.29	63.56	7.56	ppb
Silver	109-1	0.16	0.10	0.11	0.12	27.37	ppb
Silver	107-1	0.14	0.12	0.12	0.13	10.35	ppb
Sodium	23-2	493571.30	506305.40	500524.43	500133.71	1.27	ppb
Strontium	86-1	3.45	3.52	3.80	3.59	5.24	ppb
Strontium	88-1	3.72	3.67	3.73	3.70	0.89	ppb
Sulfur	34-1	-2817.00	-1369.45	-2277.60	-2154.69		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.05	0.02	0.01	0.03	79.53	ppb
Thallium	205-1	0.07	0.05	0.05	0.06	20.13	ppb
Tin	118-1	0.44	0.45	0.46	0.45	2.38	ppb
Titanium	47-1	0.72	0.89	0.93	0.85	12.84	ppb
Uranium	238-1	0.03	0.01	0.00	0.01	106.59	ppb
Vanadium	51-2	0.08	0.11	0.13	0.11	21.21	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	10.63	10.38	10.77	10.59	1.90	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:57:32	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.22	0.20	0.21	0.21	3.19	ppb
Zirconium	91-1	0.16	0.15	0.25	0.19	28.17	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:06:50	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	534.45	489.35	506.03	509.94	4.47	ppb
Antimony	121-1	205.15	205.39	200.52	203.69	1.35	ppb
Arsenic	75-1	198.49	195.07	195.92	196.49	0.90	ppb
Barium	135-1	105.91	103.77	103.48	104.38	1.27	ppb
Barium	137-1	105.89	106.20	104.24	105.44	1.00	ppb
Beryllium	9-1	104.68	105.36	104.07	104.70	0.62	ppb
Bismuth	209-1				89		%
Bismuth	209-2				92		%
Boron	11-1	6.11	6.07	5.57	5.92	5.00	ppb
Boron	10-1	5.69	5.22	6.16	5.69	8.25	ppb
Cadmium	106-1	93.57	91.09	93.93	92.86	1.67	ppb
Cadmium	108-1	98.68	96.36	97.31	97.45	1.19	ppb
Cadmium	111-1	107.87	106.08	104.36	106.10	1.65	ppb
Calcium	43-1	2037.87	1963.62	1979.30	1993.60	1.96	ppb
Calcium	44-1	2040.52	1998.88	2013.30	2017.57	1.05	ppb
Chromium	52-2	102.64	99.61	99.08	100.44	1.91	ppb
Cobalt	59-2	103.43	101.11	100.28	101.60	1.61	ppb
Copper	63-2	104.20	102.62	101.48	102.77	1.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				95		%
Indium	115-1				95		%
Indium	115-2				100		%
Iron	56-2	1059.37	1029.55	1034.51	1041.14	1.53	ppb
Iron	57-2	1083.97	1010.49	1035.54	1043.33	3.58	ppb
Krypton	83-1						cps
Lead	207-1	193.52	198.35	193.59	195.15	1.42	ppb
Lead	208-1	198.49	201.71	198.43	199.54	0.94	ppb
Lead	206-1	203.36	209.35	204.71	205.81	1.53	ppb
Lithium	6-1				87		%
Magnesium	24-2	1245.19	1217.24	1253.23	1238.55	1.53	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:06:50	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	103.07	100.89	101.19	101.71	1.16	ppb
Molybdenum	94-1	0.20	0.16	0.15	0.17	16.42	ppb
Molybdenum	95-1	0.21	0.21	0.20	0.21	2.93	ppb
Molybdenum	96-1	0.16	0.22	0.20	0.20	16.04	ppb
Molybdenum	97-1	0.16	0.34	0.29	0.26	36.65	ppb
Molybdenum	98-1	0.17	0.23	0.21	0.21	14.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	105.78	102.62	102.53	103.64	1.79	ppb
Phosphorus	31-2	-48.57	-37.67	-37.65	-41.30		ppb
Potassium	39-2	2078.81	2020.66	2059.69	2053.05	1.44	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				104		%
Selenium	77-2	260.69	219.72	249.09	243.17	8.68	ppb
Selenium	78-2	207.58	214.86	195.93	206.13	4.63	ppb
Selenium	82-1	205.17	200.79	206.61	204.19	1.48	ppb
Silicon	28-1	-5.03	-6.48	-7.01	-6.18		ppb
Silver	109-1	109.60	109.00	107.37	108.66	1.06	ppb
Silver	107-1	110.20	108.42	108.25	108.95	0.99	ppb
Sodium	23-2	2147.47	2127.90	2119.89	2131.76	0.67	ppb
Strontium	86-1	2.30	1.87	1.99	2.05	10.68	ppb
Strontium	88-1	2.03	2.05	1.99	2.02	1.45	ppb
Sulfur	34-1	-2223.26	-2655.09	-2782.70	-2553.68		ppb
Terbium	159-1				92		%
Terbium	159-2				96		%
Thallium	203-1	202.26	208.83	198.59	203.23	2.55	ppb
Thallium	205-1	206.90	209.98	203.53	206.80	1.56	ppb
Tin	118-1	0.03	0.03	0.07	0.04	59.77	ppb
Titanium	47-1	0.03	0.05	0.11	0.06	71.87	ppb
Uranium	238-1	0.00	-0.01	0.00	0.00		ppb
Vanadium	51-2	99.03	99.76	100.81	99.87	0.90	ppb
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	214.58	209.06	205.15	209.60	2.26	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:06:50	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.02	0.02	0.02	24.25	ppb
Zirconium	91-1	0.11	0.15	0.14	0.13	14.80	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:12:12 DataFile Name : 013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.36	-1.00	1.26	0.54	246.23	ppb
Antimony	121-1	0.07	0.05	0.10	0.07	31.66	ppb
Arsenic	75-1	-0.02	-0.03	-0.05	-0.03		ppb
Barium	135-1	-0.04	-0.06	-0.05	-0.05		ppb
Barium	137-1	0.00	-0.02	0.01	-0.01		ppb
Beryllium	9-1	0.06	0.08	0.06	0.07	19.76	ppb
Bismuth	209-1				91		%
Bismuth	209-2				93		%
Boron	11-1	3.30	3.81	3.93	3.68	9.12	ppb
Boron	10-1	4.50	2.94	4.09	3.84	20.94	ppb
Cadmium	106-1	1.23	-0.89	-0.41	-0.02		ppb
Cadmium	108-1	-0.11	0.04	0.04	-0.01		ppb
Cadmium	111-1	0.10	-0.07	-0.04	0.00		ppb
Calcium	43-1	-4.82	-1.72	-4.74	-3.76		ppb
Calcium	44-1	8.52	8.84	2.69	6.68	51.84	ppb
Chromium	52-2	-0.10	0.17	-0.02	0.02	918.57	ppb
Cobalt	59-2	-0.02	-0.03	-0.04	-0.03		ppb
Copper	63-2	0.02	0.02	0.03	0.03	22.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				95		%
Indium	115-1				95		%
Indium	115-2				100		%
Iron	56-2	1.17	1.08	0.63	0.96	30.11	ppb
Iron	57-2	3.16	3.98	3.37	3.50	12.21	ppb
Krypton	83-1						cps
Lead	207-1	0.17	0.11	0.13	0.14	19.95	ppb
Lead	208-1	0.14	0.10	0.14	0.13	14.85	ppb
Lead	206-1	0.11	0.07	0.10	0.09	18.82	ppb
Lithium	6-1				88		%
Magnesium	24-2	1.96	0.65	-0.53	0.69	179.80	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:12:12	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.02	-0.10	0.00	-0.03		ppb
Molybdenum	94-1	-0.04	-0.02	0.02	-0.01		ppb
Molybdenum	95-1	0.00	0.01	-0.01	0.00		ppb
Molybdenum	96-1	-0.01	0.01	0.02	0.01	157.00	ppb
Molybdenum	97-1	0.04	0.02	0.07	0.05	49.13	ppb
Molybdenum	98-1	-0.01	-0.01	-0.01	-0.01		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	-0.04	-0.03	0.00		ppb
Phosphorus	31-2	-37.55	-3.89	-48.57	-30.00		ppb
Potassium	39-2	33.32	9.84	12.67	18.61	68.88	ppb
Rhodium	103-1				97		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	77-2	3.29	0.00	0.00	1.10	173.21	ppb
Selenium	78-2	-0.74	-1.27	-0.74	-0.92		ppb
Selenium	82-1	1.11	-1.13	0.36	0.11	1005.22	ppb
Silicon	28-1	-11.96	-11.57	-15.04	-12.86		ppb
Silver	109-1	0.04	0.07	0.04	0.05	35.55	ppb
Silver	107-1	0.06	0.05	0.04	0.05	19.08	ppb
Sodium	23-2	68.96	73.69	70.69	71.12	3.37	ppb
Strontium	86-1	-0.06	-0.09	-0.02	-0.06		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	470.35	ppb
Sulfur	34-1	-2838.96	-2645.31	-2864.90	-2783.06		ppb
Terbium	159-1				95		%
Terbium	159-2				96		%
Thallium	203-1	0.00	-0.03	-0.02	-0.02		ppb
Thallium	205-1	-0.03	-0.01	-0.03	-0.02		ppb
Tin	118-1	-0.02	0.00	0.00	-0.01		ppb
Titanium	47-1	-0.02	-0.02	-0.02	-0.02		ppb
Uranium	238-1	-0.02	-0.02	-0.02	-0.02		ppb
Vanadium	51-2	-0.02	-0.01	-0.02	-0.01		ppb
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	0.06	0.42	0.19	0.22	84.20	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:12:12	DataFile Name :	013CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.02	0.01	72.57	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	60.43	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:15:46 DataFile Name : 014ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85756.69	87970.74	87343.23	87023.55	1.31	ppb
Antimony	121-1	1.15	1.16	1.09	1.13	3.39	ppb
Arsenic	75-1	1.71	1.43	1.64	1.59	9.19	ppb
Barium	135-1	1.45	1.36	1.42	1.41	3.40	ppb
Barium	137-1	1.40	1.29	1.39	1.36	4.54	ppb
Beryllium	9-1	0.29	0.35	0.28	0.30	13.02	ppb
Bismuth	209-1				91		%
Bismuth	209-2				93		%
Boron	11-1	3.78	3.98	3.64	3.80	4.48	ppb
Boron	10-1	4.60	5.13	4.11	4.61	10.99	ppb
Cadmium	106-1	0.62	0.83	-0.76	0.23	373.50	ppb
Cadmium	108-1	10.58	9.52	10.61	10.24	6.07	ppb
Cadmium	111-1	0.34	0.51	0.40	0.42	20.68	ppb
Calcium	43-1	97063.84	95283.63	95967.13	96104.87	0.93	ppb
Calcium	44-1	94669.32	95562.75	95811.56	95347.87	0.63	ppb
Chromium	52-2	19.18	19.99	19.50	19.56	2.10	ppb
Cobalt	59-2	1.00	1.14	1.06	1.06	6.55	ppb
Copper	63-2	7.91	8.24	7.99	8.05	2.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				101		%
Iron	56-2	98148.15	98123.34	98627.23	98299.57	0.29	ppb
Iron	57-2	99507.01	99440.74	100456.13	99801.29	0.57	ppb
Krypton	83-1						cps
Lead	207-1	4.00	3.97	4.23	4.06	3.46	ppb
Lead	208-1	4.30	4.36	4.33	4.33	0.62	ppb
Lead	206-1	4.64	5.03	4.67	4.78	4.54	ppb
Lithium	6-1				86		%
Magnesium	24-2	98273.42	99266.53	98114.02	98551.32	0.63	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:15:46	DataFile Name :	014ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.71	7.89	7.50	7.70	2.58	ppb
Molybdenum	94-1	1299.88	1274.79	1316.10	1296.92	1.60	ppb
Molybdenum	95-1	1794.40	1783.54	1823.53	1800.49	1.15	ppb
Molybdenum	96-1	1743.28	1708.52	1765.06	1738.95	1.64	ppb
Molybdenum	97-1	1823.19	1805.25	1808.06	1812.17	0.53	ppb
Molybdenum	98-1	1798.48	1761.70	1822.18	1794.12	1.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.30	5.17	5.03	5.17	2.64	ppb
Phosphorus	31-2	96604.07	98696.01	96956.64	97418.91	1.15	ppb
Potassium	39-2	96722.21	98659.55	97077.89	97486.55	1.06	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	77-2	0.00	6.47	0.00	2.16	173.21	ppb
Selenium	78-2	1.37	0.31	-0.21	0.49	164.32	ppb
Selenium	82-1	0.30	-0.72	0.58	0.05	1259.61	ppb
Silicon	28-1	24.02	23.37	25.50	24.30	4.50	ppb
Silver	109-1	0.23	0.30	0.23	0.25	15.05	ppb
Silver	107-1	0.29	0.31	0.35	0.32	8.56	ppb
Sodium	23-2	97581.44	99360.61	98829.16	98590.40	0.93	ppb
Strontium	86-1	28.94	27.44	28.38	28.25	2.68	ppb
Strontium	88-1	29.22	29.01	29.61	29.28	1.03	ppb
Sulfur	34-1	100973.92	99513.57	98750.48	99745.99	1.13	ppb
Terbium	159-1				96		%
Terbium	159-2				99		%
Thallium	203-1	0.08	0.05	-0.01	0.04	124.16	ppb
Thallium	205-1	0.05	0.05	0.02	0.04	35.03	ppb
Tin	118-1	0.11	0.15	0.16	0.14	21.66	ppb
Titanium	47-1	1960.92	1925.94	1958.69	1948.52	1.00	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	181.91	ppb
Vanadium	51-2	0.12	0.09	0.10	0.10	15.42	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	11.50	11.63	11.72	11.61	0.93	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:15:46	DataFile Name :	014ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.03	0.03	7.03	ppb
Zirconium	91-1	0.01	0.04	0.00	0.02	108.12	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:19:13	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88384.02	88630.86	87959.32	88324.73	0.38	ppb
Antimony	121-1	20.71	20.72	20.85	20.76	0.39	ppb
Arsenic	75-1	20.94	21.35	20.20	20.83	2.79	ppb
Barium	135-1	21.85	21.69	20.95	21.50	2.23	ppb
Barium	137-1	21.51	22.43	21.96	21.97	2.10	ppb
Beryllium	9-1	21.23	21.42	21.25	21.30	0.49	ppb
Bismuth	209-1				91		%
Bismuth	209-2				91		%
Boron	11-1	73.87	75.88	72.98	74.24	2.00	ppb
Boron	10-1	72.72	74.80	73.81	73.78	1.41	ppb
Cadmium	106-1	27.00	26.93	24.22	26.05	6.09	ppb
Cadmium	108-1	33.75	31.59	31.74	32.36	3.74	ppb
Cadmium	111-1	20.65	21.17	20.32	20.72	2.06	ppb
Calcium	43-1	98690.18	98850.10	97474.17	98338.15	0.77	ppb
Calcium	44-1	95044.76	98551.78	96524.03	96706.86	1.82	ppb
Chromium	52-2	39.83	39.56	39.83	39.74	0.40	ppb
Cobalt	59-2	20.69	20.82	20.92	20.81	0.57	ppb
Copper	63-2	28.32	28.36	28.42	28.37	0.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				96		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	100083.56	100789.80	99917.72	100263.69	0.46	ppb
Iron	57-2	101385.18	102434.49	101278.98	101699.55	0.63	ppb
Krypton	83-1						cps
Lead	207-1	22.52	23.05	22.60	22.72	1.26	ppb
Lead	208-1	23.58	23.86	23.58	23.67	0.69	ppb
Lead	206-1	24.88	25.41	24.42	24.90	1.99	ppb
Lithium	6-1				86		%
Magnesium	24-2	99912.77	100222.45	101229.39	100454.87	0.69	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:19:13	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	27.79	26.82	27.93	27.51	2.20	ppb
Molybdenum	94-1	1435.21	1431.34	1435.77	1434.10	0.17	ppb
Molybdenum	95-1	1872.14	1889.17	1888.29	1883.20	0.51	ppb
Molybdenum	96-1	1827.30	1836.34	1811.73	1825.12	0.68	ppb
Molybdenum	97-1	1905.07	1887.89	1906.26	1899.74	0.54	ppb
Molybdenum	98-1	1879.17	1864.58	1893.21	1878.99	0.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.32	25.59	25.37	25.42	0.57	ppb
Phosphorus	31-2	99588.84	96953.31	99650.07	98730.74	1.56	ppb
Potassium	39-2	99664.42	99316.22	98675.06	99218.57	0.51	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	27.68	50.46	43.44	40.53	28.78	ppb
Selenium	78-2	20.17	25.07	24.35	23.20	11.39	ppb
Selenium	82-1	19.14	20.50	19.16	19.60	3.96	ppb
Silicon	28-1	92.30	99.36	95.15	95.60	3.71	ppb
Silver	109-1	19.56	19.61	19.50	19.56	0.28	ppb
Silver	107-1	19.51	19.74	19.83	19.69	0.83	ppb
Sodium	23-2	100148.22	99860.37	99735.80	99914.80	0.21	ppb
Strontium	86-1	82.52	83.18	84.21	83.30	1.03	ppb
Strontium	88-1	84.19	84.01	84.22	84.14	0.14	ppb
Sulfur	34-1	100278.08	103062.24	98667.74	100669.35	2.21	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	19.87	19.97	19.58	19.81	1.03	ppb
Thallium	205-1	20.12	20.54	19.76	20.14	1.92	ppb
Tin	118-1	62.99	63.30	62.90	63.06	0.33	ppb
Titanium	47-1	2014.00	2073.28	2035.13	2040.80	1.47	ppb
Uranium	238-1	63.02	63.50	61.32	62.61	1.83	ppb
Vanadium	51-2	20.11	20.23	19.58	19.97	1.72	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	31.01	32.43	33.16	32.20	3.40	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:19:13	DataFile Name :	015ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	63.46	62.74	62.80	63.00	0.63	ppb
Zirconium	91-1	62.87	63.06	64.19	63.37	1.12	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV23	Instrumnet Name :	P8
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:22:40	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51558.80	51057.39	53098.95	51905.05	2.05	ppb
Antimony	121-1	519.76	532.37	523.55	525.22	1.23	ppb
Arsenic	75-1	490.29	490.81	496.42	492.51	0.69	ppb
Barium	135-1	2611.60	2668.52	2639.36	2639.82	1.08	ppb
Barium	137-1	2597.07	2637.75	2629.94	2621.59	0.82	ppb
Beryllium	9-1	529.59	526.47	537.85	531.30	1.11	ppb
Bismuth	209-1				92		%
Bismuth	209-2				93		%
Boron	11-1	529.03	546.21	547.28	540.84	1.89	ppb
Boron	10-1	547.97	542.78	549.36	546.70	0.63	ppb
Cadmium	106-1	523.11	531.73	520.68	525.17	1.11	ppb
Cadmium	108-1	512.94	525.66	516.36	518.32	1.27	ppb
Cadmium	111-1	510.06	519.58	518.57	516.07	1.01	ppb
Calcium	43-1	242779.32	243050.03	249023.52	244950.96	1.44	ppb
Calcium	44-1	241735.29	245375.27	243261.57	243457.38	0.75	ppb
Chromium	52-2	503.51	498.83	515.60	505.98	1.71	ppb
Cobalt	59-2	496.06	488.81	504.22	496.36	1.55	ppb
Copper	63-2	953.97	939.53	980.33	957.94	2.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	56-2	125941.76	124830.27	129638.77	126803.60	1.99	ppb
Iron	57-2	128962.80	128064.26	131589.97	129539.01	1.41	ppb
Krypton	83-1						cps
Lead	207-1	498.49	498.86	496.93	498.09	0.21	ppb
Lead	208-1	507.74	508.31	506.29	507.45	0.20	ppb
Lead	206-1	511.48	501.98	499.37	504.28	1.26	ppb
Lithium	6-1				92		%
Magnesium	24-2	246527.56	243010.57	250680.27	246739.47	1.56	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV23	Instrumnet Name :	P8
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:22:40	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	998.17	989.49	1030.98	1006.21	2.17	ppb
Molybdenum	94-1	2509.22	2512.75	2539.55	2520.51	0.66	ppb
Molybdenum	95-1	2474.86	2506.68	2605.22	2528.92	2.69	ppb
Molybdenum	96-1	2471.07	2500.16	2595.51	2522.25	2.58	ppb
Molybdenum	97-1	2513.57	2505.96	2573.76	2531.09	1.47	ppb
Molybdenum	98-1	2502.90	2506.40	2564.83	2524.71	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	492.35	486.48	501.53	493.45	1.54	ppb
Phosphorus	31-2	10419.41	9963.78	10296.38	10226.52	2.30	ppb
Potassium	39-2	125049.90	125723.07	128922.35	126565.11	1.63	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				103		%
Scandium	45-2				107		%
Selenium	77-2	437.79	593.06	515.81	515.56	15.06	ppb
Selenium	78-2	541.72	528.18	503.60	524.50	3.68	ppb
Selenium	82-1	502.19	504.71	511.43	506.11	0.94	ppb
Silicon	28-1	508.15	514.74	525.53	516.14	1.70	ppb
Silver	109-1	518.44	521.71	520.88	520.35	0.33	ppb
Silver	107-1	514.80	521.83	526.94	521.19	1.17	ppb
Sodium	23-2	246815.33	243078.34	252018.61	247304.09	1.82	ppb
Strontium	86-1	499.28	496.75	505.39	500.47	0.89	ppb
Strontium	88-1	501.68	506.36	513.35	507.13	1.16	ppb
Sulfur	34-1	9771.41	10107.15	10761.23	10213.26	4.93	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	504.64	502.42	503.46	503.51	0.22	ppb
Thallium	205-1	518.53	515.43	513.81	515.92	0.47	ppb
Tin	118-1	521.50	530.01	533.05	528.18	1.13	ppb
Titanium	47-1	2554.72	2583.01	2584.31	2574.02	0.65	ppb
Uranium	238-1	525.14	514.13	511.90	517.06	1.37	ppb
Vanadium	51-2	504.94	499.04	515.63	506.54	1.66	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	984.56	973.18	1008.46	988.73	1.82	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV23	Instrumnet Name :	P8
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:22:40	DataFile Name :	016CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	507.30	505.30	514.18	508.93	0.92	ppb
Zirconium	91-1	497.49	502.94	510.88	503.77	1.34	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB23	Instrumnet Name :	P8
Client Sample ID :	CCB23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:26:23	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.73	1.61	2.01	1.45	45.03	ppb
Antimony	121-1	0.11	0.18	0.23	0.17	34.57	ppb
Arsenic	75-1	0.08	0.04	0.03	0.05	53.26	ppb
Barium	135-1	-0.06	0.00	0.03	-0.01		ppb
Barium	137-1	-0.03	0.00	0.01	0.00		ppb
Beryllium	9-1	0.08	0.05	0.07	0.07	25.60	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Boron	11-1	7.21	7.69	6.54	7.15	8.08	ppb
Boron	10-1	9.03	6.04	7.36	7.48	20.03	ppb
Cadmium	106-1	0.53	0.36	-1.00	-0.03		ppb
Cadmium	108-1	0.04	-0.01	-0.12	-0.03		ppb
Cadmium	111-1	0.05	0.04	-0.07	0.00	1349.83	ppb
Calcium	43-1	-2.32	-1.45	-3.22	-2.33		ppb
Calcium	44-1	38.03	32.31	32.44	34.26	9.53	ppb
Chromium	52-2	-0.10	-0.10	-0.08	-0.10		ppb
Cobalt	59-2	-0.03	-0.04	-0.01	-0.03		ppb
Copper	63-2	0.23	0.19	0.26	0.23	16.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				102		%
Iron	56-2	2.26	2.32	2.04	2.21	6.80	ppb
Iron	57-2	3.36	1.07	6.01	3.48	71.00	ppb
Krypton	83-1						cps
Lead	207-1	0.27	0.23	0.23	0.24	9.69	ppb
Lead	208-1	0.27	0.28	0.23	0.26	10.25	ppb
Lead	206-1	0.27	0.28	0.20	0.25	17.56	ppb
Lithium	6-1				94		%
Magnesium	24-2	0.93	0.88	0.22	0.68	58.05	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB23	Instrumnet Name :	P8
Client Sample ID :	CCB23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:26:23	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.08	0.01	-0.11	-0.06		ppb
Molybdenum	94-1	0.11	0.18	0.02	0.11	76.44	ppb
Molybdenum	95-1	0.11	0.11	0.11	0.11	3.29	ppb
Molybdenum	96-1	0.11	0.13	0.10	0.11	14.59	ppb
Molybdenum	97-1	0.17	0.20	0.11	0.16	27.63	ppb
Molybdenum	98-1	0.13	0.13	0.09	0.12	18.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	-0.05	0.00	0.00		ppb
Phosphorus	31-2	-37.71	-48.57	-37.78	-41.35		ppb
Potassium	39-2	71.35	63.89	52.18	62.48	15.47	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				104		%
Selenium	77-2	3.30	6.64	0.00	3.31	100.20	ppb
Selenium	78-2	-0.74	-0.73	-1.27	-0.91		ppb
Selenium	82-1	-1.22	-0.97	-1.23	-1.14		ppb
Silicon	28-1	-6.70	-8.74	-9.03	-8.16		ppb
Silver	109-1	0.07	0.09	0.05	0.07	22.91	ppb
Silver	107-1	0.10	0.07	0.07	0.08	23.39	ppb
Sodium	23-2	140.97	141.19	132.99	138.38	3.37	ppb
Strontium	86-1	-0.10	-0.08	0.02	-0.05		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-2895.66	-3040.87	-3121.92	-3019.48		ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.02	0.03	0.02	42.93	ppb
Thallium	205-1	0.04	0.03	0.05	0.04	27.13	ppb
Tin	118-1	0.04	0.02	0.08	0.05	69.41	ppb
Titanium	47-1	0.01	-0.03	-0.02	-0.01		ppb
Uranium	238-1	-0.02	-0.02	-0.02	-0.02		ppb
Vanadium	51-2	-0.03	-0.02	0.01	-0.01		ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	0.50	0.03	0.09	0.21	123.58	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB23	Instrumnet Name :	P8
Client Sample ID :	CCB23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:26:23	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.03	0.03	10.75	ppb
Zirconium	91-1	0.04	0.01	0.02	0.03	48.85	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:29:57	DataFile Name :	018LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.40	20.27	16.81	17.16	17.19	ppb
Antimony	121-1	1.89	1.94	1.94	1.92	1.53	ppb
Arsenic	75-1	1.00	0.95	1.05	1.00	4.87	ppb
Barium	135-1	9.66	9.16	10.05	9.62	4.67	ppb
Barium	137-1	10.03	9.77	10.18	9.99	2.11	ppb
Beryllium	9-1	1.04	1.00	1.01	1.02	1.80	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Boron	11-1	28.14	28.18	27.75	28.02	0.85	ppb
Boron	10-1	27.92	27.80	28.36	28.02	1.06	ppb
Cadmium	106-1	1.14	0.10	0.45	0.57	93.99	ppb
Cadmium	108-1	1.32	1.24	1.08	1.21	10.29	ppb
Cadmium	111-1	1.10	0.96	0.95	1.00	8.06	ppb
Calcium	43-1	467.24	472.43	451.58	463.75	2.34	ppb
Calcium	44-1	492.82	490.50	486.99	490.10	0.60	ppb
Chromium	52-2	1.89	1.85	1.92	1.89	1.85	ppb
Cobalt	59-2	0.91	0.98	0.98	0.96	4.19	ppb
Copper	63-2	2.13	2.10	1.96	2.06	4.48	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				104		%
Iron	56-2	52.19	53.19	53.30	52.89	1.16	ppb
Iron	57-2	51.01	58.96	53.84	54.60	7.37	ppb
Krypton	83-1						cps
Lead	207-1	1.10	0.99	0.98	1.02	6.61	ppb
Lead	208-1	1.04	1.01	1.03	1.03	1.70	ppb
Lead	206-1	1.09	1.04	1.08	1.07	2.54	ppb
Lithium	6-1				95		%
Magnesium	24-2	475.79	512.22	499.84	495.95	3.73	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:29:57	DataFile Name :	018LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.84	1.03	0.95	0.94	10.45	ppb
Molybdenum	94-1	4.78	4.68	4.79	4.75	1.17	ppb
Molybdenum	95-1	4.70	4.44	4.53	4.56	2.83	ppb
Molybdenum	96-1	4.59	4.96	4.68	4.74	4.11	ppb
Molybdenum	97-1	4.44	4.39	4.51	4.44	1.30	ppb
Molybdenum	98-1	4.54	4.48	4.69	4.57	2.29	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.84	0.91	0.94	0.90	5.94	ppb
Phosphorus	31-2	16.26	-26.67	-4.77	-5.06		ppb
Potassium	39-2	528.68	514.78	514.80	519.42	1.54	ppb
Rhodium	103-1				100		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	16.26	9.64	9.86	11.92	31.53	ppb
Selenium	78-2	5.62	6.59	5.70	5.97	9.06	ppb
Selenium	82-1	5.86	4.85	5.09	5.27	10.09	ppb
Silicon	28-1	0.44	-0.12	-0.72	-0.13		ppb
Silver	109-1	1.05	1.07	1.16	1.10	5.46	ppb
Silver	107-1	1.12	1.12	1.10	1.11	0.90	ppb
Sodium	23-2	589.48	595.40	596.80	593.89	0.65	ppb
Strontium	86-1	0.68	0.79	0.82	0.76	9.50	ppb
Strontium	88-1	0.82	0.83	0.86	0.84	2.76	ppb
Sulfur	34-1	-3048.02	-2954.60	-3452.99	-3151.87		ppb
Terbium	159-1				98		%
Terbium	159-2				101		%
Thallium	203-1	0.89	0.89	0.92	0.90	1.90	ppb
Thallium	205-1	0.95	0.90	0.96	0.94	3.22	ppb
Tin	118-1	4.94	4.89	5.28	5.04	4.26	ppb
Titanium	47-1	4.98	4.55	4.54	4.69	5.43	ppb
Uranium	238-1	0.84	0.78	0.82	0.81	3.78	ppb
Vanadium	51-2	4.60	4.86	5.07	4.84	4.84	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	1.74	2.44	2.19	2.12	16.66	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:29:57	DataFile Name :	018LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.93	0.92	0.92	0.93	0.86	ppb
Zirconium	91-1	0.84	0.74	1.06	0.88	18.23	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : PB117573BL Instrumnet Name : P8
 Client Sample ID : PB117573BL Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:33:31 DataFile Name : 019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.39	-1.67	1.66	0.79	273.23	ppb
Antimony	121-1	0.04	0.02	0.03	0.03	25.51	ppb
Arsenic	75-1	0.03	-0.07	-0.04	-0.02		ppb
Barium	135-1	0.00	-0.07	-0.03	-0.03		ppb
Barium	137-1	0.00	0.00	-0.03	-0.01		ppb
Beryllium	9-1	0.00	0.07	0.05	0.04	82.61	ppb
Bismuth	209-1				97		%
Bismuth	209-2				99		%
Boron	11-1	3.15	3.42	3.60	3.39	6.64	ppb
Boron	10-1	3.47	3.66	4.14	3.76	9.23	ppb
Cadmium	106-1	-0.11	-0.45	-0.57	-0.38		ppb
Cadmium	108-1	-0.17	-0.02	-0.07	-0.08		ppb
Cadmium	111-1	0.01	-0.03	-0.06	-0.03		ppb
Calcium	43-1	-3.89	-0.14	-0.28	-1.43		ppb
Calcium	44-1	25.34	21.78	24.98	24.04	8.16	ppb
Chromium	52-2	-0.12	-0.17	0.16	-0.04		ppb
Cobalt	59-2	-0.02	-0.05	-0.05	-0.04		ppb
Copper	63-2	0.06	0.03	0.06	0.05	38.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	0.98	0.71	0.30	0.66	51.74	ppb
Iron	57-2	-1.01	-1.42	2.15	-0.09		ppb
Krypton	83-1						cps
Lead	207-1	0.11	0.12	0.09	0.11	13.57	ppb
Lead	208-1	0.12	0.10	0.09	0.10	17.49	ppb
Lead	206-1	0.08	0.11	0.10	0.09	16.14	ppb
Lithium	6-1				95		%
Magnesium	24-2	2.73	0.66	2.01	1.80	58.35	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BL	Instrumnet Name :	P8
Client Sample ID :	PB117573BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:33:31	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.07	-0.03	0.03	-0.03		ppb
Molybdenum	94-1	0.00	0.01	0.00	0.01	143.67	ppb
Molybdenum	95-1	-0.01	0.00	-0.01	-0.01		ppb
Molybdenum	96-1	0.00	0.01	-0.01	0.00	1565.90	ppb
Molybdenum	97-1	-0.01	0.00	0.05	0.01	266.50	ppb
Molybdenum	98-1	0.00	-0.02	0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.03	-0.06	0.03	-0.02		ppb
Phosphorus	31-2	-48.57	-37.76	-26.44	-37.59		ppb
Potassium	39-2	49.18	32.23	30.62	37.34	27.54	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.20	0.32	0.33	0.15	203.03	ppb
Selenium	82-1	0.27	0.19	1.34	0.60	107.06	ppb
Silicon	28-1	-10.07	-12.99	-9.88	-10.98		ppb
Silver	109-1	0.04	0.04	0.04	0.04	8.24	ppb
Silver	107-1	0.04	0.03	0.04	0.04	25.62	ppb
Sodium	23-2	105.21	93.51	96.31	98.34	6.21	ppb
Strontium	86-1	-0.01	0.00	-0.02	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-2741.17	-3214.97	-2703.47	-2886.54		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.00	-0.01	-0.02	-0.01		ppb
Thallium	205-1	0.00	0.01	0.02	0.01	82.02	ppb
Tin	118-1	0.01	0.01	-0.03	0.00		ppb
Titanium	47-1	0.00	-0.01	-0.05	-0.02		ppb
Uranium	238-1	-0.03	-0.03	-0.02	-0.02		ppb
Vanadium	51-2	-0.02	-0.02	-0.03	-0.02		ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	0.11	0.11	0.06	0.09	33.07	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BL	Instrumnet Name :	P8
Client Sample ID :	PB117573BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:33:31	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	0.02	0.01	216.39	ppb
Zirconium	91-1	0.02	0.02	0.00	0.01	124.78	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BS	Instrumnet Name :	P8
Client Sample ID :	PB117573BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:37:05	DataFile Name :	020LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9880.04	9643.28	9722.61	9748.64	1.24	ppb
Antimony	121-1	515.19	519.82	513.64	516.22	0.62	ppb
Arsenic	75-1	490.65	492.98	492.72	492.12	0.26	ppb
Barium	135-1	2544.42	2623.50	2586.74	2584.88	1.53	ppb
Barium	137-1	2549.56	2618.06	2576.13	2581.25	1.34	ppb
Beryllium	9-1	510.76	510.64	503.22	508.21	0.85	ppb
Bismuth	209-1				97		%
Bismuth	209-2				100		%
Boron	11-1	505.90	514.04	512.28	510.74	0.84	ppb
Boron	10-1	501.28	510.08	509.39	506.92	0.97	ppb
Cadmium	106-1	516.86	533.90	503.60	518.12	2.93	ppb
Cadmium	108-1	514.44	520.33	526.65	520.47	1.17	ppb
Cadmium	111-1	510.83	521.00	511.83	514.55	1.09	ppb
Calcium	43-1	49421.18	48890.92	49150.91	49154.34	0.54	ppb
Calcium	44-1	48775.21	48550.98	48930.34	48752.18	0.39	ppb
Chromium	52-2	504.34	498.47	495.26	499.36	0.92	ppb
Cobalt	59-2	496.62	488.11	491.97	492.23	0.87	ppb
Copper	63-2	991.77	984.62	1000.02	992.13	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	56-2	25827.04	25432.74	25302.53	25520.77	1.07	ppb
Iron	57-2	25621.53	25194.42	24970.48	25262.14	1.31	ppb
Krypton	83-1						cps
Lead	207-1	490.46	489.22	483.00	487.56	0.82	ppb
Lead	208-1	499.48	500.00	499.61	499.70	0.05	ppb
Lead	206-1	497.52	502.76	497.36	499.22	0.62	ppb
Lithium	6-1				98		%
Magnesium	24-2	52654.12	50926.66	50761.11	51447.30	2.04	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BS	Instrumnet Name :	P8
Client Sample ID :	PB117573BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:37:05	DataFile Name :	020LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1013.80	992.55	988.10	998.15	1.38	ppb
Molybdenum	94-1	2516.16	2444.60	2511.19	2490.65	1.60	ppb
Molybdenum	95-1	2500.07	2439.79	2500.75	2480.20	1.41	ppb
Molybdenum	96-1	2504.09	2425.01	2488.80	2472.63	1.70	ppb
Molybdenum	97-1	2549.89	2464.76	2503.14	2505.93	1.70	ppb
Molybdenum	98-1	2523.78	2444.90	2507.98	2492.22	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	498.60	493.65	493.49	495.25	0.59	ppb
Phosphorus	31-2	10119.79	10474.19	10360.45	10318.14	1.75	ppb
Potassium	39-2	24881.43	24350.97	24372.96	24535.12	1.22	ppb
Rhodium	103-1				99		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				106		%
Selenium	77-2	523.90	419.75	526.30	489.98	12.42	ppb
Selenium	78-2	518.38	531.37	515.43	521.73	1.63	ppb
Selenium	82-1	510.79	495.23	506.43	504.15	1.59	ppb
Silicon	28-1	488.65	506.79	507.90	501.11	2.16	ppb
Silver	109-1	526.87	528.32	524.03	526.41	0.41	ppb
Silver	107-1	524.84	530.75	524.12	526.57	0.69	ppb
Sodium	23-2	51663.78	50271.00	50134.59	50689.79	1.67	ppb
Strontium	86-1	504.32	490.42	501.92	498.89	1.49	ppb
Strontium	88-1	507.07	495.95	505.56	502.86	1.20	ppb
Sulfur	34-1	11070.43	10411.74	10600.12	10694.10	3.17	ppb
Terbium	159-1				101		%
Terbium	159-2				104		%
Thallium	203-1	508.23	500.46	496.35	501.68	1.20	ppb
Thallium	205-1	519.12	519.52	517.14	518.59	0.25	ppb
Tin	118-1	512.76	518.00	509.11	513.29	0.87	ppb
Titanium	47-1	2507.14	2532.31	2525.03	2521.50	0.51	ppb
Uranium	238-1	497.33	498.85	501.46	499.21	0.42	ppb
Vanadium	51-2	502.73	498.90	494.35	498.66	0.84	ppb
Yttrium	89-1				102		%
Yttrium	89-2				104		%
Zinc	66-2	1005.08	987.48	985.65	992.74	1.08	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BS	Instrumnet Name :	P8
Client Sample ID :	PB117573BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:37:05	DataFile Name :	020LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	503.08	501.82	508.62	504.51	0.72	ppb
Zirconium	91-1	498.37	493.50	499.39	497.09	0.63	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : K1699-01 Instrumnet Name : P8
 Client Sample ID : BLK-145.2-LOT-22-YR-21 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:40:31 DataFile Name : 021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.25	6.09	9.67	7.34	27.60	ppb
Antimony	121-1	0.17	0.16	0.19	0.17	10.19	ppb
Arsenic	75-1	3.50	3.57	3.64	3.57	2.07	ppb
Barium	135-1	185.86	186.97	187.79	186.87	0.52	ppb
Barium	137-1	185.88	185.33	187.83	186.35	0.71	ppb
Beryllium	9-1	0.07	0.07	0.08	0.07	9.77	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Boron	11-1	30.81	31.05	31.50	31.12	1.12	ppb
Boron	10-1	29.69	29.75	31.47	30.30	3.34	ppb
Cadmium	106-1	0.20	1.12	0.27	0.53	96.81	ppb
Cadmium	108-1	0.07	-0.02	-0.02	0.01	710.83	ppb
Cadmium	111-1	0.03	0.09	0.04	0.05	60.85	ppb
Calcium	43-1	39084.38	39391.83	39187.54	39221.25	0.40	ppb
Calcium	44-1	38377.28	39262.80	38556.15	38732.08	1.21	ppb
Chromium	52-2	0.27	0.07	0.38	0.24	65.63	ppb
Cobalt	59-2	-0.03	-0.02	-0.04	-0.03		ppb
Copper	63-2	4.83	4.79	5.10	4.91	3.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				106		%
Indium	115-2				108		%
Iron	56-2	75.09	74.85	78.67	76.20	2.81	ppb
Iron	57-2	74.29	74.63	75.47	74.80	0.81	ppb
Krypton	83-1						cps
Lead	207-1	0.55	0.56	0.53	0.55	2.56	ppb
Lead	208-1	0.52	0.56	0.52	0.54	3.79	ppb
Lead	206-1	0.54	0.62	0.53	0.56	8.56	ppb
Lithium	6-1				100		%
Magnesium	24-2	17533.06	17732.45	18232.18	17832.56	2.02	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : K1699-01 Instrumnet Name : P8
 Client Sample ID : BLK-145.2-LOT-22-YR-2 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:40:31 DataFile Name : 021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	4.43	4.03	4.54	4.33	6.15	ppb
Molybdenum	94-1	1.77	1.91	1.83	1.84	3.93	ppb
Molybdenum	95-1	2.38	2.51	2.23	2.37	5.94	ppb
Molybdenum	96-1	2.32	2.33	2.43	2.36	2.67	ppb
Molybdenum	97-1	2.44	2.68	2.56	2.56	4.72	ppb
Molybdenum	98-1	2.44	2.53	2.48	2.48	1.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.12	0.10	0.06	0.10	33.28	ppb
Phosphorus	31-2	3.23	-38.12	5.52	-9.79		ppb
Potassium	39-2	731.07	705.46	745.52	727.35	2.79	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				109		%
Scandium	45-2				108		%
Selenium	77-2	0.00	3.13	9.35	4.16	114.47	ppb
Selenium	78-2	1.30	0.26	-0.77	0.26	392.53	ppb
Selenium	82-1	0.07	1.46	0.01	0.51	160.33	ppb
Silicon	28-1	7120.34	7070.90	7108.30	7099.85	0.36	ppb
Silver	109-1	0.05	0.06	0.06	0.06	18.22	ppb
Silver	107-1	0.07	0.05	0.06	0.06	12.36	ppb
Sodium	23-2	9726.26	9726.32	10157.91	9870.16	2.52	ppb
Strontium	86-1	895.87	902.93	900.45	899.75	0.40	ppb
Strontium	88-1	908.06	901.02	898.49	902.52	0.55	ppb
Sulfur	34-1	710.58	1129.06	1152.10	997.25	24.92	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	-0.03	-0.01	0.02	-0.01		ppb
Thallium	205-1	0.00	0.00	0.01	0.00	75.31	ppb
Tin	118-1	-0.01	-0.01	0.02	0.00	190066.29	ppb
Titanium	47-1	0.30	0.30	0.64	0.41	47.73	ppb
Uranium	238-1	2.34	2.45	2.29	2.36	3.31	ppb
Vanadium	51-2	1.60	1.25	1.42	1.43	12.44	ppb
Yttrium	89-1				108		%
Yttrium	89-2				107		%
Zinc	66-2	15.97	16.22	15.58	15.92	2.02	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1699-01	Instrumnet Name :	P8
Client Sample ID :	BLK-145.2-LOT-22-YR-21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:40:31	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.01	0.01	22.73	ppb
Zirconium	91-1	0.02	0.01	0.03	0.02	67.93	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV24	Instrumnet Name :	P8
Client Sample ID :	CCV24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:48:39	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51149.12	51378.53	52786.81	51771.49	1.71	ppb
Antimony	121-1	526.66	526.00	515.62	522.76	1.18	ppb
Arsenic	75-1	483.23	486.92	489.24	486.47	0.62	ppb
Barium	135-1	2636.78	2675.41	2616.79	2642.99	1.13	ppb
Barium	137-1	2629.12	2657.82	2546.88	2611.27	2.21	ppb
Beryllium	9-1	535.86	526.26	534.58	532.23	0.98	ppb
Bismuth	209-1				93		%
Bismuth	209-2				92		%
Boron	11-1	539.62	532.51	547.80	539.98	1.42	ppb
Boron	10-1	538.33	531.35	551.51	540.40	1.89	ppb
Cadmium	106-1	525.73	530.52	517.39	524.55	1.27	ppb
Cadmium	108-1	519.98	526.33	513.87	520.06	1.20	ppb
Cadmium	111-1	518.28	521.72	510.51	516.84	1.11	ppb
Calcium	43-1	241627.24	244036.84	246211.93	243958.67	0.94	ppb
Calcium	44-1	243131.58	245011.94	243088.85	243744.12	0.45	ppb
Chromium	52-2	497.58	497.43	512.29	502.43	1.70	ppb
Cobalt	59-2	484.87	482.79	497.94	488.53	1.68	ppb
Copper	63-2	953.64	940.72	963.11	952.49	1.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	124378.46	124701.78	126745.95	125275.40	1.02	ppb
Iron	57-2	127216.11	126693.52	128305.74	127405.12	0.65	ppb
Krypton	83-1						cps
Lead	207-1	485.09	505.39	503.34	497.94	2.24	ppb
Lead	208-1	498.46	516.08	513.93	509.49	1.89	ppb
Lead	206-1	495.81	510.80	509.34	505.31	1.63	ppb
Lithium	6-1				94		%
Magnesium	24-2	244452.72	244023.35	251102.01	246526.03	1.61	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV24	Instrumnet Name :	P8
Client Sample ID :	CCV24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:48:39	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	988.85	989.24	1004.71	994.26	0.91	ppb
Molybdenum	94-1	2531.67	2574.16	2607.03	2570.95	1.47	ppb
Molybdenum	95-1	2504.82	2565.07	2583.72	2551.20	1.62	ppb
Molybdenum	96-1	2535.15	2557.19	2594.27	2562.21	1.17	ppb
Molybdenum	97-1	2537.54	2548.85	2603.76	2563.38	1.38	ppb
Molybdenum	98-1	2518.63	2554.87	2591.56	2555.02	1.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	483.75	486.93	498.73	489.80	1.61	ppb
Phosphorus	31-2	10265.93	9731.69	10358.74	10118.79	3.34	ppb
Potassium	39-2	125999.17	124530.65	126431.65	125653.82	0.79	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				104		%
Scandium	45-2				106		%
Selenium	77-2	488.35	473.39	540.14	500.62	7.00	ppb
Selenium	78-2	495.30	534.51	539.31	523.04	4.62	ppb
Selenium	82-1	496.01	502.60	511.85	503.48	1.58	ppb
Silicon	28-1	495.62	514.03	513.36	507.67	2.06	ppb
Silver	109-1	521.36	525.71	516.35	521.14	0.90	ppb
Silver	107-1	525.82	531.84	517.61	525.09	1.36	ppb
Sodium	23-2	241921.55	243337.62	248634.11	244631.09	1.45	ppb
Strontium	86-1	497.09	503.24	512.36	504.23	1.52	ppb
Strontium	88-1	502.94	515.73	517.24	511.97	1.53	ppb
Sulfur	34-1	10903.04	11475.98	11168.85	11182.62	2.56	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	498.31	515.77	510.66	508.25	1.77	ppb
Thallium	205-1	517.12	520.80	527.57	521.83	1.02	ppb
Tin	118-1	535.39	534.21	512.87	527.49	2.40	ppb
Titanium	47-1	2540.78	2559.76	2578.95	2559.83	0.75	ppb
Uranium	238-1	512.67	531.82	528.95	524.48	1.97	ppb
Vanadium	51-2	497.54	499.18	514.42	503.71	1.85	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	969.55	970.36	992.25	977.39	1.32	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV24	Instrumnet Name :	P8
Client Sample ID :	CCV24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:48:39	DataFile Name :	022CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	506.02	507.80	514.92	509.58	0.92	ppb
Zirconium	91-1	494.94	506.97	512.99	504.97	1.82	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCB24 Instrumnet Name : P8
 Client Sample ID : CCB24 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 15:03:59 DataFile Name : 023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.83	-0.04	0.11	0.63	164.07	ppb
Antimony	121-1	0.06	0.11	0.16	0.11	47.66	ppb
Arsenic	75-1	0.01	-0.05	-0.07	-0.04		ppb
Barium	135-1	-0.06	-0.05	-0.02	-0.05		ppb
Barium	137-1	-0.03	-0.04	-0.04	-0.04		ppb
Beryllium	9-1	0.04	0.03	0.01	0.02	68.89	ppb
Bismuth	209-1				93		%
Bismuth	209-2				95		%
Boron	11-1	2.73	2.61	2.63	2.66	2.40	ppb
Boron	10-1	3.20	2.77	2.21	2.73	18.12	ppb
Cadmium	106-1	-0.45	-0.45	-0.26	-0.39		ppb
Cadmium	108-1	0.09	0.04	-0.06	0.02	328.51	ppb
Cadmium	111-1	-0.04	-0.03	-0.02	-0.03		ppb
Calcium	43-1	0.44	-2.67	-1.81	-1.35		ppb
Calcium	44-1	18.27	16.58	22.54	19.13	16.05	ppb
Chromium	52-2	0.06	0.04	0.06	0.05	25.13	ppb
Cobalt	59-2	-0.06	-0.05	-0.02	-0.05		ppb
Copper	63-2	-0.03	-0.03	-0.05	-0.04		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				97		%
Indium	115-1				96		%
Indium	115-2				101		%
Iron	56-2	0.89	0.29	0.85	0.68	49.30	ppb
Iron	57-2	0.22	-0.35	1.20	0.36	219.61	ppb
Krypton	83-1						cps
Lead	207-1	0.05	0.04	0.02	0.04	46.61	ppb
Lead	208-1	0.04	0.04	0.05	0.04	11.19	ppb
Lead	206-1	0.05	0.05	0.04	0.05	9.15	ppb
Lithium	6-1				91		%
Magnesium	24-2	2.13	1.62	2.41	2.05	19.55	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB24	Instrumnet Name :	P8
Client Sample ID :	CCB24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:03:59	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.07	-0.07	0.02	-0.04		ppb
Molybdenum	94-1	0.00	0.04	0.05	0.03	84.59	ppb
Molybdenum	95-1	0.05	0.03	0.01	0.03	70.49	ppb
Molybdenum	96-1	0.05	0.01	0.03	0.03	51.75	ppb
Molybdenum	97-1	0.05	0.06	0.03	0.05	38.23	ppb
Molybdenum	98-1	0.03	0.01	0.01	0.02	58.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.03	0.00	-0.02		ppb
Phosphorus	31-2	-48.57	-48.57	-3.78	-33.64		ppb
Potassium	39-2	19.72	18.20	46.17	28.03	56.11	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	77-2	0.00	3.34	6.70	3.35	100.14	ppb
Selenium	78-2	1.45	-1.27	-0.18	0.00		ppb
Selenium	82-1	0.07	-0.64	-0.81	-0.46		ppb
Silicon	28-1	-11.84	-12.16	-10.32	-11.44		ppb
Silver	109-1	0.04	0.04	0.04	0.04	4.12	ppb
Silver	107-1	0.04	0.05	0.02	0.04	32.39	ppb
Sodium	23-2	76.95	71.26	75.75	74.65	4.02	ppb
Strontium	86-1	0.00	0.05	0.03	0.02	111.99	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1891.78	-2250.14	-1508.64	-1883.52		ppb
Terbium	159-1				96		%
Terbium	159-2				97		%
Thallium	203-1	-0.04	-0.02	-0.03	-0.03		ppb
Thallium	205-1	-0.02	-0.03	-0.02	-0.03		ppb
Tin	118-1	0.01	-0.01	0.02	0.01	317.69	ppb
Titanium	47-1	-0.06	-0.07	-0.03	-0.05		ppb
Uranium	238-1	-0.02	-0.02	-0.03	-0.03		ppb
Vanadium	51-2	-0.03	-0.05	-0.02	-0.04		ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	0.09	0.27	0.14	0.17	55.46	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB24	Instrumnet Name :	P8
Client Sample ID :	CCB24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:03:59	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.03	0.01	0.02	39.06	ppb
Zirconium	91-1	0.03	0.05	0.02	0.03	49.33	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-01	Instrumnet Name :	P8
Client Sample ID :	390213759.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:07:33	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	233.35	227.42	230.18	230.32	1.29	ppb
Antimony	121-1	0.96	0.86	0.85	0.89	6.95	ppb
Arsenic	75-1	2.16	2.28	2.32	2.26	3.69	ppb
Barium	135-1	58.78	55.24	53.94	55.99	4.47	ppb
Barium	137-1	58.59	56.35	55.50	56.81	2.81	ppb
Beryllium	9-1	0.11	0.10	0.07	0.09	24.55	ppb
Bismuth	209-1				91		%
Bismuth	209-2				93		%
Boron	11-1	43.77	44.47	44.77	44.34	1.16	ppb
Boron	10-1	45.80	44.93	42.85	44.53	3.40	ppb
Cadmium	106-1	2.23	0.14	0.13	0.83	145.43	ppb
Cadmium	108-1	0.58	0.68	0.40	0.56	25.21	ppb
Cadmium	111-1	0.49	0.28	0.29	0.35	34.02	ppb
Calcium	43-1	33396.58	34290.28	33802.81	33829.89	1.32	ppb
Calcium	44-1	33653.26	34312.57	33523.01	33829.62	1.25	ppb
Chromium	52-2	2.78	2.50	2.85	2.71	6.79	ppb
Cobalt	59-2	1.80	1.86	2.06	1.91	7.02	ppb
Copper	63-2	96.15	94.55	94.42	95.04	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				96		%
Indium	115-1				94		%
Indium	115-2				98		%
Iron	56-2	5459.85	5373.75	5374.18	5402.59	0.92	ppb
Iron	57-2	5349.05	5249.97	5182.48	5260.50	1.59	ppb
Krypton	83-1						cps
Lead	207-1	3.87	3.84	3.88	3.86	0.44	ppb
Lead	208-1	4.01	4.17	4.05	4.08	2.10	ppb
Lead	206-1	4.36	4.61	4.49	4.49	2.79	ppb
Lithium	6-1				90		%
Magnesium	24-2	8036.10	8031.35	7921.07	7996.18	0.81	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-01	Instrumnet Name :	P8
Client Sample ID :	390213759.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:07:33	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	158.59	154.20	153.09	155.29	1.87	ppb
Molybdenum	94-1	1.57	1.46	1.60	1.54	4.63	ppb
Molybdenum	95-1	1.24	1.10	1.18	1.17	6.29	ppb
Molybdenum	96-1	1.30	1.27	1.15	1.24	6.62	ppb
Molybdenum	97-1	1.18	1.31	1.10	1.20	8.76	ppb
Molybdenum	98-1	1.23	1.23	1.14	1.20	4.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.02	14.65	14.74	14.80	1.33	ppb
Phosphorus	31-2	5833.38	5631.89	5562.39	5675.89	2.48	ppb
Potassium	39-2	18401.94	18208.58	18203.92	18271.48	0.62	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	77-2	10.00	3.35	3.32	5.56	69.29	ppb
Selenium	78-2	-0.19	2.01	-0.19	0.54	233.76	ppb
Selenium	82-1	0.92	1.13	1.13	1.06	11.08	ppb
Silicon	28-1	2798.19	2831.05	2827.99	2819.08	0.64	ppb
Silver	109-1	0.71	0.70	0.67	0.69	3.04	ppb
Silver	107-1	0.70	0.69	0.71	0.70	1.75	ppb
Sodium	23-2	95911.23	94688.31	94730.01	95109.85	0.73	ppb
Strontium	86-1	147.75	141.28	143.75	144.26	2.26	ppb
Strontium	88-1	150.84	149.41	150.36	150.21	0.48	ppb
Sulfur	34-1	19450.32	19351.53	18801.88	19201.24	1.82	ppb
Terbium	159-1				95		%
Terbium	159-2				97		%
Thallium	203-1	-0.01	-0.03	-0.02	-0.02		ppb
Thallium	205-1	-0.02	0.00	-0.02	-0.01		ppb
Tin	118-1	3.57	3.33	3.69	3.53	5.18	ppb
Titanium	47-1	5.99	5.95	5.22	5.72	7.58	ppb
Uranium	238-1	0.10	0.09	0.12	0.10	10.55	ppb
Vanadium	51-2	0.91	0.90	0.84	0.88	4.38	ppb
Yttrium	89-1				98		%
Yttrium	89-2				100		%
Zinc	66-2	966.13	945.21	950.31	953.88	1.14	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-01	Instrumnet Name :	P8
Client Sample ID :	390213759.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:07:33	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.49	0.51	0.48	0.49	2.82	ppb
Zirconium	91-1	0.51	0.43	0.51	0.49	9.27	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-02	Instrumnet Name :	P8
Client Sample ID :	390211037.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:11:06	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.06	5.23	10.36	7.55	34.43	ppb
Antimony	121-1	0.02	0.07	0.04	0.05	56.07	ppb
Arsenic	75-1	0.40	0.28	0.38	0.35	19.32	ppb
Barium	135-1	1.65	1.51	1.73	1.63	6.98	ppb
Barium	137-1	1.60	1.64	1.59	1.61	1.70	ppb
Beryllium	9-1	0.06	0.04	0.07	0.06	31.29	ppb
Bismuth	209-1				92		%
Bismuth	209-2				94		%
Boron	11-1	39.85	39.51	38.80	39.39	1.36	ppb
Boron	10-1	40.19	38.50	37.78	38.82	3.19	ppb
Cadmium	106-1	0.71	0.36	1.24	0.77	57.19	ppb
Cadmium	108-1	0.04	-0.06	-0.11	-0.04		ppb
Cadmium	111-1	0.10	0.11	0.16	0.12	26.84	ppb
Calcium	43-1	24910.03	24739.06	24965.21	24871.43	0.47	ppb
Calcium	44-1	25146.27	25125.24	24908.08	25059.86	0.53	ppb
Chromium	52-2	0.64	0.66	0.51	0.60	13.83	ppb
Cobalt	59-2	0.06	0.07	0.04	0.05	31.39	ppb
Copper	63-2	1.26	1.36	1.41	1.34	5.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	56-2	8366.11	8318.10	8310.85	8331.69	0.36	ppb
Iron	57-2	8195.82	8178.91	8285.38	8220.04	0.70	ppb
Krypton	83-1						cps
Lead	207-1	0.18	0.15	0.21	0.18	16.66	ppb
Lead	208-1	0.16	0.16	0.16	0.16	2.43	ppb
Lead	206-1	0.14	0.15	0.13	0.14	7.60	ppb
Lithium	6-1				90		%
Magnesium	24-2	9517.34	9454.56	9712.20	9561.37	1.41	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-02	Instrumnet Name :	P8
Client Sample ID :	390211037.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:11:06	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	67.83	66.28	67.94	67.35	1.38	ppb
Molybdenum	94-1	0.55	0.48	0.44	0.49	10.77	ppb
Molybdenum	95-1	0.66	0.63	0.63	0.64	2.76	ppb
Molybdenum	96-1	0.70	0.75	0.68	0.71	5.11	ppb
Molybdenum	97-1	0.79	0.73	0.75	0.76	4.34	ppb
Molybdenum	98-1	0.63	0.58	0.65	0.62	5.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.37	0.46	0.36	0.40	12.85	ppb
Phosphorus	31-2	-25.94	-2.93	-2.57	-10.48		ppb
Potassium	39-2	1885.67	1862.94	1937.57	1895.39	2.02	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	77-2	0.00	3.40	3.37	2.26	86.60	ppb
Selenium	78-2	-0.16	0.95	-0.17	0.20	315.55	ppb
Selenium	82-1	0.35	-0.54	-0.19	-0.12		ppb
Silicon	28-1	4162.43	4203.94	4222.51	4196.29	0.73	ppb
Silver	109-1	0.04	0.04	0.03	0.04	13.56	ppb
Silver	107-1	0.03	0.03	0.05	0.04	25.59	ppb
Sodium	23-2	5552.28	5589.16	5611.94	5584.46	0.54	ppb
Strontium	86-1	23.20	22.95	22.76	22.97	0.96	ppb
Strontium	88-1	23.08	23.66	23.10	23.28	1.42	ppb
Sulfur	34-1	2874.10	2734.65	2604.84	2737.87	4.92	ppb
Terbium	159-1				95		%
Terbium	159-2				96		%
Thallium	203-1	-0.07	-0.05	-0.08	-0.07		ppb
Thallium	205-1	-0.05	-0.05	-0.05	-0.05		ppb
Tin	118-1	0.02	0.01	0.08	0.04	110.66	ppb
Titanium	47-1	0.56	0.58	0.60	0.58	3.65	ppb
Uranium	238-1	0.93	1.04	0.97	0.98	5.38	ppb
Vanadium	51-2	0.24	0.26	0.17	0.22	22.34	ppb
Yttrium	89-1				98		%
Yttrium	89-2				99		%
Zinc	66-2	2.62	1.84	2.40	2.29	17.52	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-02	Instrumnet Name :	P8
Client Sample ID :	390211037.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:11:06	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.02	0.03	0.03	26.12	ppb
Zirconium	91-1	0.03	0.06	0.06	0.05	38.37	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03	Instrumnet Name :	P8
Client Sample ID :	390211038.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:14:38	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	743.93	727.31	758.78	743.34	2.12	ppb
Antimony	121-1	0.06	0.05	0.08	0.06	23.31	ppb
Arsenic	75-1	0.86	0.96	0.98	0.93	7.19	ppb
Barium	135-1	20.81	20.03	19.74	20.19	2.74	ppb
Barium	137-1	20.62	21.40	20.71	20.91	2.03	ppb
Beryllium	9-1	0.16	0.10	0.10	0.12	30.07	ppb
Bismuth	209-1				87		%
Bismuth	209-2				90		%
Boron	11-1	52.29	53.28	52.29	52.62	1.08	ppb
Boron	10-1	56.28	50.36	50.91	52.52	6.23	ppb
Cadmium	106-1	2.67	1.81	2.47	2.32	19.47	ppb
Cadmium	108-1	1.91	1.89	1.78	1.86	3.60	ppb
Cadmium	111-1	1.88	2.11	2.06	2.02	6.00	ppb
Calcium	43-1	37885.96	37954.55	37858.10	37899.53	0.13	ppb
Calcium	44-1	37949.68	37763.67	37548.80	37754.05	0.53	ppb
Chromium	52-2	1.84	1.76	2.00	1.87	6.51	ppb
Cobalt	59-2	4.39	4.79	4.71	4.63	4.67	ppb
Copper	63-2	3.22	3.21	3.20	3.21	0.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				91		%
Holmium	165-2				92		%
Indium	115-1				91		%
Indium	115-2				94		%
Iron	56-2	6011.32	6112.20	6115.31	6079.61	0.97	ppb
Iron	57-2	5723.38	6007.47	5930.41	5887.09	2.50	ppb
Krypton	83-1						cps
Lead	207-1	1.22	1.28	1.33	1.28	4.51	ppb
Lead	208-1	1.30	1.36	1.39	1.35	3.16	ppb
Lead	206-1	1.52	1.52	1.59	1.54	2.39	ppb
Lithium	6-1				88		%
Magnesium	24-2	12243.46	12455.90	12484.21	12394.52	1.06	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03	Instrumnet Name :	P8
Client Sample ID :	390211038.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:14:38	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	3965.13	4071.71	4001.61	4012.81	1.35	ppb
Molybdenum	94-1	2.20	1.22	0.95	1.46	45.12	ppb
Molybdenum	95-1	0.55	0.58	0.49	0.54	9.32	ppb
Molybdenum	96-1	0.52	0.73	0.57	0.61	18.43	ppb
Molybdenum	97-1	0.55	0.68	0.56	0.60	12.14	ppb
Molybdenum	98-1	0.50	0.55	0.44	0.50	10.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.54	3.00	2.87	2.80	8.51	ppb
Phosphorus	31-2	22.11	47.65	60.23	43.33	44.82	ppb
Potassium	39-2	1373.63	1408.11	1372.93	1384.89	1.45	ppb
Rhodium	103-1				90		%
Rhodium	103-2				91		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	77-2	10.54	13.95	6.99	10.50	33.20	ppb
Selenium	78-2	-1.27	1.00	0.44	0.05	2161.96	ppb
Selenium	82-1	0.58	-0.49	-0.73	-0.21		ppb
Silicon	28-1	4861.44	4980.13	4772.99	4871.52	2.13	ppb
Silver	109-1	0.04	0.04	0.04	0.04	0.80	ppb
Silver	107-1	0.06	0.06	0.03	0.05	31.12	ppb
Sodium	23-2	7637.71	7833.24	7752.66	7741.20	1.27	ppb
Strontium	86-1	53.02	52.82	53.41	53.08	0.57	ppb
Strontium	88-1	52.90	53.06	53.85	53.27	0.95	ppb
Sulfur	34-1	16904.48	17149.99	16368.96	16807.81	2.38	ppb
Terbium	159-1				91		%
Terbium	159-2				93		%
Thallium	203-1	-0.03	-0.06	-0.03	-0.04		ppb
Thallium	205-1	-0.04	-0.01	-0.03	-0.03		ppb
Tin	118-1	0.31	0.21	0.19	0.24	27.11	ppb
Titanium	47-1	31.35	35.97	43.27	36.86	16.29	ppb
Uranium	238-1	0.64	0.62	0.58	0.62	5.12	ppb
Vanadium	51-2	1.62	1.77	1.50	1.63	8.14	ppb
Yttrium	89-1				95		%
Yttrium	89-2				96		%
Zinc	66-2	7.63	8.12	8.34	8.03	4.54	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03	Instrumnet Name :	P8
Client Sample ID :	390211038.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:14:38	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.49	0.91	0.69	0.70	30.61	ppb
Zirconium	91-1	0.75	0.80	1.18	0.91	25.84	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03DUP	Instrumnet Name :	P8
Client Sample ID :	390211038.0DUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:18:11	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	779.78	770.66	771.09	773.85	0.66	ppb
Antimony	121-1	0.05	0.05	0.08	0.06	24.67	ppb
Arsenic	75-1	0.87	0.94	0.87	0.89	4.05	ppb
Barium	135-1	20.12	20.58	20.88	20.53	1.87	ppb
Barium	137-1	20.53	21.47	20.51	20.84	2.64	ppb
Beryllium	9-1	0.10	0.13	0.09	0.11	20.40	ppb
Bismuth	209-1				86		%
Bismuth	209-2				90		%
Boron	11-1	51.82	53.22	54.73	53.26	2.74	ppb
Boron	10-1	53.53	56.28	54.49	54.77	2.55	ppb
Cadmium	106-1	4.49	0.87	1.59	2.32	82.71	ppb
Cadmium	108-1	1.63	2.21	1.89	1.91	15.21	ppb
Cadmium	111-1	2.18	1.93	2.03	2.05	6.20	ppb
Calcium	43-1	38639.05	37888.30	38401.13	38309.49	1.00	ppb
Calcium	44-1	38205.85	37759.36	38318.50	38094.57	0.78	ppb
Chromium	52-2	1.66	1.58	2.12	1.79	16.17	ppb
Cobalt	59-2	4.67	4.79	4.64	4.70	1.70	ppb
Copper	63-2	3.11	3.33	3.17	3.21	3.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				90		%
Holmium	165-2				93		%
Indium	115-1				89		%
Indium	115-2				94		%
Iron	56-2	6061.52	6116.38	6127.58	6101.83	0.58	ppb
Iron	57-2	5948.74	6116.69	6016.56	6027.33	1.40	ppb
Krypton	83-1						cps
Lead	207-1	1.28	1.17	1.30	1.25	5.56	ppb
Lead	208-1	1.32	1.29	1.29	1.30	1.17	ppb
Lead	206-1	1.42	1.33	1.34	1.37	3.62	ppb
Lithium	6-1				86		%
Magnesium	24-2	12469.01	12632.40	12449.27	12516.90	0.80	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03DUP	Instrumnet Name :	P8
Client Sample ID :	390211038.0DUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:18:11	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	4009.59	4069.20	4031.00	4036.60	0.75	ppb
Molybdenum	94-1	1.32	1.08	1.16	1.19	10.06	ppb
Molybdenum	95-1	0.50	0.54	0.60	0.55	8.82	ppb
Molybdenum	96-1	0.68	1.17	0.73	0.86	31.16	ppb
Molybdenum	97-1	0.52	0.51	0.59	0.54	7.51	ppb
Molybdenum	98-1	0.44	0.51	0.59	0.51	15.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.75	3.10	2.90	2.92	5.99	ppb
Phosphorus	31-2	11.45	83.72	-0.98	31.40	145.67	ppb
Potassium	39-2	1398.95	1385.82	1316.64	1367.14	3.23	ppb
Rhodium	103-1				88		%
Rhodium	103-2				92		%
Scandium	45-1				91		%
Scandium	45-2				95		%
Selenium	77-2	3.50	6.99	7.03	5.84	34.64	ppb
Selenium	78-2	-0.13	3.28	1.02	1.39	124.96	ppb
Selenium	82-1	-0.08	-0.43	-0.64	-0.38		ppb
Silicon	28-1	4980.09	4842.17	5375.61	5065.96	5.47	ppb
Silver	109-1	0.01	0.03	0.04	0.03	51.96	ppb
Silver	107-1	0.04	0.05	0.03	0.04	24.98	ppb
Sodium	23-2	7707.85	7866.41	7760.91	7778.39	1.04	ppb
Strontium	86-1	51.96	51.39	52.65	52.00	1.21	ppb
Strontium	88-1	53.84	51.96	53.70	53.17	1.97	ppb
Sulfur	34-1	18674.19	17852.47	18531.40	18352.69	2.39	ppb
Terbium	159-1				90		%
Terbium	159-2				93		%
Thallium	203-1	-0.03	-0.05	-0.04	-0.04		ppb
Thallium	205-1	-0.04	-0.04	-0.03	-0.03		ppb
Tin	118-1	0.15	0.18	0.22	0.18	19.03	ppb
Titanium	47-1	27.29	32.64	27.46	29.13	10.44	ppb
Uranium	238-1	0.62	0.62	0.62	0.62	0.67	ppb
Vanadium	51-2	1.55	1.71	1.70	1.65	5.53	ppb
Yttrium	89-1				92		%
Yttrium	89-2				96		%
Zinc	66-2	8.63	7.88	7.94	8.15	5.05	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03DUP	Instrumnet Name :	P8
Client Sample ID :	390211038.0DUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:18:11	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.48	0.52	0.63	0.54	14.00	ppb
Zirconium	91-1	0.91	0.90	1.96	1.26	48.73	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03LX5	Instrumnet Name :	P8
Client Sample ID :	390211038.0L	Dilution Factor :	5
Date & Time Acquired ::	2019-03-04 15:21:43	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	143.44	149.26	139.73	144.14	3.33	ppb
Antimony	121-1	0.02	0.02	0.03	0.02	26.92	ppb
Arsenic	75-1	0.16	0.13	0.26	0.18	37.61	ppb
Barium	135-1	3.83	4.43	3.80	4.02	8.83	ppb
Barium	137-1	4.08	3.86	4.11	4.02	3.41	ppb
Beryllium	9-1	0.01	0.04	0.01	0.02	66.02	ppb
Bismuth	209-1				89		%
Bismuth	209-2				94		%
Boron	11-1	13.09	12.01	13.19	12.76	5.13	ppb
Boron	10-1	12.91	13.51	10.67	12.37	12.11	ppb
Cadmium	106-1	1.16	1.93	1.96	1.68	26.93	ppb
Cadmium	108-1	0.45	0.32	0.17	0.31	45.94	ppb
Cadmium	111-1	0.46	0.54	0.52	0.51	8.46	ppb
Calcium	43-1	7348.05	7462.79	7531.27	7447.37	1.24	ppb
Calcium	44-1	7592.05	7616.00	7716.80	7641.62	0.87	ppb
Chromium	52-2	0.29	0.32	0.47	0.36	27.16	ppb
Cobalt	59-2	0.88	0.95	0.87	0.90	4.42	ppb
Copper	63-2	0.59	0.60	0.59	0.59	1.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				91		%
Holmium	165-2				96		%
Indium	115-1				91		%
Indium	115-2				98		%
Iron	56-2	1183.83	1189.45	1212.10	1195.13	1.25	ppb
Iron	57-2	1134.58	1192.34	1185.04	1170.65	2.69	ppb
Krypton	83-1						cps
Lead	207-1	0.29	0.27	0.19	0.25	21.53	ppb
Lead	208-1	0.25	0.25	0.26	0.25	0.72	ppb
Lead	206-1	0.23	0.29	0.23	0.25	13.50	ppb
Lithium	6-1				87		%
Magnesium	24-2	2462.87	2458.31	2454.80	2458.66	0.16	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03LX5	Instrumnet Name :	P8
Client Sample ID :	390211038.0L	Dilution Factor :	5
Date & Time Acquired ::	2019-03-04 15:21:43	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	787.48	792.99	778.67	786.38	0.92	ppb
Molybdenum	94-1	0.12	0.32	0.26	0.23	42.78	ppb
Molybdenum	95-1	0.09	0.08	0.12	0.10	22.75	ppb
Molybdenum	96-1	0.12	0.10	0.12	0.11	9.26	ppb
Molybdenum	97-1	0.11	0.04	0.12	0.09	46.15	ppb
Molybdenum	98-1	0.07	0.07	0.05	0.06	23.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.56	0.65	0.59	0.60	7.61	ppb
Phosphorus	31-2	-48.57	-48.57	-14.51	-37.21		ppb
Potassium	39-2	296.14	272.30	279.79	282.74	4.31	ppb
Rhodium	103-1				93		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				100		%
Selenium	77-2	3.40	6.86	0.00	3.42	100.28	ppb
Selenium	78-2	-0.17	-0.16	0.94	0.20	309.72	ppb
Selenium	82-1	0.31	-0.28	-2.25	-0.74		ppb
Silicon	28-1	992.05	1033.57	934.56	986.73	5.04	ppb
Silver	109-1	0.03	0.03	0.03	0.03	4.45	ppb
Silver	107-1	0.05	0.05	0.01	0.04	56.66	ppb
Sodium	23-2	1545.75	1563.81	1583.06	1564.21	1.19	ppb
Strontium	86-1	10.90	10.23	10.74	10.63	3.31	ppb
Strontium	88-1	10.65	10.79	10.54	10.66	1.17	ppb
Sulfur	34-1	3831.09	2987.48	4197.12	3671.90	16.89	ppb
Terbium	159-1				91		%
Terbium	159-2				96		%
Thallium	203-1	-0.07	-0.06	-0.04	-0.06		ppb
Thallium	205-1	-0.05	-0.06	-0.06	-0.06		ppb
Tin	118-1	0.03	0.06	0.02	0.04	53.79	ppb
Titanium	47-1	8.89	5.05	6.09	6.68	29.77	ppb
Uranium	238-1	0.08	0.08	0.11	0.09	20.46	ppb
Vanadium	51-2	0.30	0.22	0.36	0.29	24.80	ppb
Yttrium	89-1				94		%
Yttrium	89-2				98		%
Zinc	66-2	1.70	1.59	1.62	1.64	3.68	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03LX5	Instrumnet Name :	P8
Client Sample ID :	390211038.0L	Dilution Factor :	5
Date & Time Acquired ::	2019-03-04 15:21:43	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.27	0.12	0.15	0.18	44.81	ppb
Zirconium	91-1	0.10	0.13	0.14	0.12	18.99	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MS	Instrumnet Name :	P8
Client Sample ID :	390211038.0MS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:25:16	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2714.36	2712.69	2858.41	2761.82	3.03	ppb
Antimony	121-1	853.75	868.63	860.91	861.10	0.86	ppb
Arsenic	75-1	840.23	829.81	833.71	834.58	0.63	ppb
Barium	135-1	245.06	245.08	246.75	245.63	0.40	ppb
Barium	137-1	245.89	250.07	249.87	248.61	0.95	ppb
Beryllium	9-1	219.75	216.73	220.87	219.12	0.98	ppb
Bismuth	209-1				87		%
Bismuth	209-2				92		%
Boron	11-1	397.01	395.70	406.66	399.79	1.50	ppb
Boron	10-1	389.44	391.33	410.40	397.06	2.92	ppb
Cadmium	106-1	196.24	194.39	194.04	194.89	0.61	ppb
Cadmium	108-1	206.56	207.99	207.03	207.19	0.35	ppb
Cadmium	111-1	221.46	221.38	225.39	222.74	1.03	ppb
Calcium	43-1	37917.79	37620.80	37996.57	37845.05	0.52	ppb
Calcium	44-1	37750.12	37480.06	38060.41	37763.53	0.77	ppb
Chromium	52-2	441.06	437.07	442.69	440.27	0.66	ppb
Cobalt	59-2	224.35	222.37	224.10	223.61	0.48	ppb
Copper	63-2	335.51	335.31	331.17	334.00	0.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				90		%
Holmium	165-2				96		%
Indium	115-1				89		%
Indium	115-2				93		%
Iron	56-2	9390.66	9279.19	9249.12	9306.32	0.80	ppb
Iron	57-2	9075.48	9054.78	8922.58	9017.61	0.92	ppb
Krypton	83-1						cps
Lead	207-1	1116.80	1081.92	1097.40	1098.70	1.59	ppb
Lead	208-1	1115.19	1087.05	1097.70	1099.98	1.29	ppb
Lead	206-1	1131.12	1112.24	1121.99	1121.79	0.84	ppb
Lithium	6-1				86		%
Magnesium	24-2	14301.32	14193.88	14300.81	14265.34	0.43	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MS	Instrumnet Name :	P8
Client Sample ID :	390211038.0MS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:25:16	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	4156.76	4100.48	4131.77	4129.67	0.68	ppb
Molybdenum	94-1	284.95	285.93	284.33	285.07	0.28	ppb
Molybdenum	95-1	395.65	396.40	395.86	395.97	0.10	ppb
Molybdenum	96-1	380.01	383.44	383.49	382.32	0.52	ppb
Molybdenum	97-1	402.04	395.59	401.04	399.55	0.87	ppb
Molybdenum	98-1	410.69	408.07	405.55	408.10	0.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	558.26	556.65	549.14	554.68	0.88	ppb
Phosphorus	31-2	6644.39	6344.90	7176.51	6721.93	6.27	ppb
Potassium	39-2	12090.10	11876.98	12027.99	11998.35	0.91	ppb
Rhodium	103-1				89		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				96		%
Selenium	77-2	2248.12	1982.75	1997.09	2075.98	7.19	ppb
Selenium	78-2	2182.52	2131.57	2089.42	2134.50	2.18	ppb
Selenium	82-1	2123.62	2096.10	2103.66	2107.79	0.67	ppb
Silicon	28-1	5640.47	5627.44	5871.55	5713.15	2.40	ppb
Silver	109-1	82.34	82.29	84.37	83.00	1.43	ppb
Silver	107-1	83.93	82.36	83.89	83.39	1.08	ppb
Sodium	23-2	10875.45	10778.35	10829.61	10827.80	0.45	ppb
Strontium	86-1	234.63	229.87	230.81	231.77	1.09	ppb
Strontium	88-1	242.65	243.25	239.92	241.94	0.73	ppb
Sulfur	34-1	16904.36	15607.56	16250.96	16254.30	3.99	ppb
Terbium	159-1				90		%
Terbium	159-2				95		%
Thallium	203-1	2215.49	2153.50	2167.79	2178.93	1.49	ppb
Thallium	205-1	2227.99	2151.86	2178.56	2186.14	1.77	ppb
Tin	118-1	762.28	773.97	780.01	772.09	1.17	ppb
Titanium	47-1	239.07	232.53	234.94	235.51	1.40	ppb
Uranium	238-1	0.58	0.57	0.62	0.59	4.54	ppb
Vanadium	51-2	330.50	325.07	326.88	327.48	0.84	ppb
Yttrium	89-1				93		%
Yttrium	89-2				98		%
Zinc	66-2	228.76	222.85	228.67	226.76	1.49	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MS	Instrumnet Name :	P8
Client Sample ID :	390211038.0MS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:25:16	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1.04	0.92	0.97	0.98	6.62	ppb
Zirconium	91-1	1.29	1.71	1.29	1.43	17.16	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MSD	Instrumnet Name :	P8
Client Sample ID :	390211038.0MSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:28:45	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2773.76	2623.32	2682.77	2693.28	2.81	ppb
Antimony	121-1	861.99	839.29	836.00	845.76	1.67	ppb
Arsenic	75-1	844.25	832.00	851.54	842.59	1.17	ppb
Barium	135-1	237.34	240.71	236.55	238.20	0.93	ppb
Barium	137-1	246.55	244.64	240.24	243.81	1.33	ppb
Beryllium	9-1	217.99	213.88	213.17	215.01	1.21	ppb
Bismuth	209-1				88		%
Bismuth	209-2				94		%
Boron	11-1	391.76	401.86	403.01	398.88	1.55	ppb
Boron	10-1	391.00	389.64	402.25	394.30	1.76	ppb
Cadmium	106-1	187.55	190.12	181.50	186.39	2.38	ppb
Cadmium	108-1	205.07	196.58	202.46	201.37	2.16	ppb
Cadmium	111-1	220.82	216.22	216.42	217.82	1.19	ppb
Calcium	43-1	39417.36	38096.57	38759.36	38757.76	1.70	ppb
Calcium	44-1	38814.72	38140.77	38672.06	38542.52	0.92	ppb
Chromium	52-2	444.10	422.09	448.39	438.19	3.22	ppb
Cobalt	59-2	226.23	216.07	226.18	222.82	2.63	ppb
Copper	63-2	337.14	319.38	338.42	331.65	3.21	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				91		%
Holmium	165-2				96		%
Indium	115-1				89		%
Indium	115-2				94		%
Iron	56-2	9523.60	8979.69	9381.87	9295.05	3.04	ppb
Iron	57-2	9255.27	8828.23	9194.22	9092.57	2.54	ppb
Krypton	83-1						cps
Lead	207-1	1093.79	1092.52	1093.84	1093.38	0.07	ppb
Lead	208-1	1095.35	1090.85	1087.41	1091.20	0.37	ppb
Lead	206-1	1126.93	1114.21	1091.84	1110.99	1.60	ppb
Lithium	6-1				86		%
Magnesium	24-2	14695.35	13921.51	14551.46	14389.44	2.86	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MSD	Instrumnet Name :	P8
Client Sample ID :	390211038.0MSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:28:45	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	4249.72	4037.52	4228.21	4171.82	2.80	ppb
Molybdenum	94-1	285.62	282.73	284.02	284.12	0.51	ppb
Molybdenum	95-1	396.41	394.92	389.25	393.53	0.96	ppb
Molybdenum	96-1	381.82	382.26	376.24	380.11	0.88	ppb
Molybdenum	97-1	397.19	399.69	395.12	397.33	0.58	ppb
Molybdenum	98-1	402.45	403.12	392.29	399.29	1.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	556.33	534.09	562.27	550.90	2.70	ppb
Phosphorus	31-2	7011.35	6646.06	6556.44	6737.95	3.58	ppb
Potassium	39-2	12170.72	11620.95	12411.02	12067.57	3.36	ppb
Rhodium	103-1				90		%
Rhodium	103-2				94		%
Scandium	45-1				92		%
Scandium	45-2				96		%
Selenium	77-2	2141.60	2079.61	2084.17	2101.79	1.64	ppb
Selenium	78-2	2166.56	2075.69	2141.22	2127.82	2.20	ppb
Selenium	82-1	2084.14	2100.80	2075.60	2086.85	0.61	ppb
Silicon	28-1	5607.97	5970.31	5661.71	5746.66	3.40	ppb
Silver	109-1	83.02	80.47	80.48	81.32	1.81	ppb
Silver	107-1	81.86	81.09	80.05	81.00	1.12	ppb
Sodium	23-2	11038.34	10527.99	11000.56	10855.63	2.62	ppb
Strontium	86-1	229.80	231.72	230.05	230.52	0.45	ppb
Strontium	88-1	238.41	237.75	237.76	237.97	0.16	ppb
Sulfur	34-1	16358.02	15086.63	15594.55	15679.74	4.08	ppb
Terbium	159-1				91		%
Terbium	159-2				96		%
Thallium	203-1	2199.79	2175.91	2134.78	2170.16	1.52	ppb
Thallium	205-1	2200.18	2184.59	2145.41	2176.73	1.30	ppb
Tin	118-1	769.45	756.59	751.07	759.04	1.24	ppb
Titanium	47-1	236.35	238.54	238.87	237.92	0.57	ppb
Uranium	238-1	0.61	0.60	0.54	0.58	6.00	ppb
Vanadium	51-2	331.34	316.17	332.48	326.67	2.79	ppb
Yttrium	89-1				94		%
Yttrium	89-2				97		%
Zinc	66-2	234.17	221.71	234.49	230.12	3.17	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MSD	Instrumnet Name :	P8
Client Sample ID :	390211038.0MSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:28:45	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.78	0.86	1.11	0.92	18.90	ppb
Zirconium	91-1	1.24	1.09	1.35	1.23	10.77	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03A	Instrumnet Name :	P8
Client Sample ID :	390211038.0A	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:32:14	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2722.67	2671.18	2693.86	2695.90	0.96	ppb
Antimony	121-1	867.17	871.36	853.01	863.85	1.11	ppb
Arsenic	75-1	843.59	843.85	818.59	835.34	1.74	ppb
Barium	135-1	244.19	246.40	245.51	245.37	0.45	ppb
Barium	137-1	246.19	249.98	245.94	247.37	0.91	ppb
Beryllium	9-1	217.26	217.79	212.38	215.81	1.38	ppb
Bismuth	209-1				90		%
Bismuth	209-2				96		%
Boron	11-1	397.00	407.33	400.25	401.53	1.32	ppb
Boron	10-1	398.27	410.42	403.48	404.06	1.51	ppb
Cadmium	106-1	190.68	189.32	193.58	191.19	1.14	ppb
Cadmium	108-1	201.25	209.66	202.64	204.52	2.20	ppb
Cadmium	111-1	223.71	221.78	220.25	221.91	0.78	ppb
Calcium	43-1	37574.92	38530.27	37423.22	37842.80	1.59	ppb
Calcium	44-1	37743.60	38490.97	37387.40	37873.99	1.49	ppb
Chromium	52-2	437.62	429.27	439.64	435.51	1.26	ppb
Cobalt	59-2	222.11	220.03	222.34	221.50	0.57	ppb
Copper	63-2	332.26	330.13	332.66	331.68	0.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				99		%
Indium	115-1				90		%
Indium	115-2				95		%
Iron	56-2	9357.42	9131.46	9209.30	9232.73	1.24	ppb
Iron	57-2	9176.54	9053.79	9089.03	9106.45	0.69	ppb
Krypton	83-1						cps
Lead	207-1	1077.87	1056.37	1081.92	1072.05	1.28	ppb
Lead	208-1	1085.52	1065.58	1099.60	1083.57	1.58	ppb
Lead	206-1	1122.57	1080.06	1122.23	1108.28	2.21	ppb
Lithium	6-1				87		%
Magnesium	24-2	14265.12	14113.33	14298.71	14225.72	0.69	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03A	Instrumnet Name :	P8
Client Sample ID :	390211038.0A	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:32:14	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	4156.29	4101.17	4152.45	4136.63	0.74	ppb
Molybdenum	94-1	283.40	280.94	285.63	283.32	0.83	ppb
Molybdenum	95-1	394.64	390.84	399.14	394.87	1.05	ppb
Molybdenum	96-1	384.34	378.16	386.66	383.05	1.15	ppb
Molybdenum	97-1	397.10	394.11	402.45	397.89	1.06	ppb
Molybdenum	98-1	410.20	403.90	407.78	407.29	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	555.14	543.87	547.11	548.71	1.06	ppb
Phosphorus	31-2	6795.91	6385.68	6348.86	6510.15	3.81	ppb
Potassium	39-2	12011.83	11703.63	11860.95	11858.80	1.30	ppb
Rhodium	103-1				89		%
Rhodium	103-2				95		%
Scandium	45-1				94		%
Scandium	45-2				97		%
Selenium	77-2	2097.31	2133.08	2041.53	2090.64	2.21	ppb
Selenium	78-2	2092.19	2195.43	2092.87	2126.83	2.79	ppb
Selenium	82-1	2089.57	2074.54	2098.85	2087.65	0.59	ppb
Silicon	28-1	6057.76	5697.63	5706.40	5820.59	3.53	ppb
Silver	109-1	83.40	82.86	82.67	82.97	0.45	ppb
Silver	107-1	83.59	82.76	82.20	82.85	0.85	ppb
Sodium	23-2	10860.26	10644.61	10897.04	10800.64	1.26	ppb
Strontium	86-1	229.94	231.61	230.64	230.73	0.36	ppb
Strontium	88-1	236.76	239.24	240.58	238.86	0.81	ppb
Sulfur	34-1	15050.20	13901.79	13040.35	13997.45	7.20	ppb
Terbium	159-1				91		%
Terbium	159-2				98		%
Thallium	203-1	2147.93	2107.42	2182.78	2146.04	1.76	ppb
Thallium	205-1	2160.05	2105.98	2195.05	2153.69	2.08	ppb
Tin	118-1	768.70	777.22	765.95	770.62	0.76	ppb
Titanium	47-1	236.44	238.48	234.27	236.40	0.89	ppb
Uranium	238-1	0.61	0.56	0.57	0.58	4.37	ppb
Vanadium	51-2	327.18	323.19	326.71	325.69	0.67	ppb
Yttrium	89-1				94		%
Yttrium	89-2				99		%
Zinc	66-2	231.39	225.11	228.47	228.32	1.38	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03A	Instrumnet Name :	P8
Client Sample ID :	390211038.0A	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:32:14	DataFile Name :	031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.83	0.87	0.84	0.85	2.18	ppb
Zirconium	91-1	1.28	1.22	1.19	1.23	3.63	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-04	Instrumnet Name :	P8
Client Sample ID :	390211039.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:35:43	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1289.63	1242.11	1288.97	1273.57	2.14	ppb
Antimony	121-1	0.78	0.73	0.74	0.75	4.04	ppb
Arsenic	75-1	1.52	1.69	1.70	1.64	6.12	ppb
Barium	135-1	102.99	102.84	103.55	103.13	0.37	ppb
Barium	137-1	104.83	102.41	102.88	103.37	1.24	ppb
Beryllium	9-1	0.24	0.31	0.24	0.27	14.43	ppb
Bismuth	209-1				96		%
Bismuth	209-2				99		%
Boron	11-1	180.99	178.00	180.78	179.92	0.93	ppb
Boron	10-1	176.65	176.75	180.48	177.96	1.23	ppb
Cadmium	106-1	1.39	1.43	0.46	1.09	50.51	ppb
Cadmium	108-1	0.61	0.84	0.75	0.73	15.88	ppb
Cadmium	111-1	0.49	0.49	0.38	0.45	14.71	ppb
Calcium	43-1	66198.66	67008.45	66598.61	66601.90	0.61	ppb
Calcium	44-1	66674.75	66914.57	66985.18	66858.17	0.24	ppb
Chromium	52-2	2.79	3.00	3.03	2.94	4.32	ppb
Cobalt	59-2	42.42	42.29	43.23	42.65	1.20	ppb
Copper	63-2	44.05	43.15	43.98	43.73	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				101		%
Iron	56-2	93114.48	91697.22	94325.59	93045.76	1.41	ppb
Iron	57-2	94854.54	93220.91	94868.43	94314.63	1.00	ppb
Krypton	83-1						cps
Lead	207-1	5.02	4.97	5.29	5.10	3.40	ppb
Lead	208-1	5.39	5.38	5.44	5.40	0.63	ppb
Lead	206-1	5.84	5.77	5.91	5.84	1.26	ppb
Lithium	6-1				92		%
Magnesium	24-2	19473.15	19509.86	19792.26	19591.76	0.89	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-04	Instrumnet Name :	P8
Client Sample ID :	390211039.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:35:43	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1904.04	1884.67	1912.22	1900.31	0.74	ppb
Molybdenum	94-1	1.37	1.57	1.42	1.46	6.95	ppb
Molybdenum	95-1	0.81	0.88	0.85	0.85	3.94	ppb
Molybdenum	96-1	1.16	1.08	1.02	1.09	6.58	ppb
Molybdenum	97-1	0.87	0.93	0.82	0.87	5.98	ppb
Molybdenum	98-1	0.79	0.77	0.78	0.78	1.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	14.64	14.74	14.97	14.78	1.17	ppb
Phosphorus	31-2	107.92	29.43	54.52	63.96	62.68	ppb
Potassium	39-2	15989.44	15962.45	16093.11	16015.00	0.43	ppb
Rhodium	103-1				97		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	15.55	12.62	9.51	12.56	24.03	ppb
Selenium	78-2	2.28	2.84	5.45	3.52	48.05	ppb
Selenium	82-1	1.43	1.02	1.46	1.30	18.86	ppb
Silicon	28-1	13426.33	13380.62	13509.57	13438.84	0.49	ppb
Silver	109-1	0.06	0.06	0.06	0.06	6.94	ppb
Silver	107-1	0.06	0.10	0.06	0.08	30.19	ppb
Sodium	23-2	5980.43	5944.41	6072.24	5999.03	1.10	ppb
Strontium	86-1	205.94	205.53	203.87	205.11	0.53	ppb
Strontium	88-1	211.33	211.80	213.97	212.37	0.66	ppb
Sulfur	34-1	1258.56	772.96	1027.98	1019.83	23.82	ppb
Terbium	159-1				98		%
Terbium	159-2				102		%
Thallium	203-1	0.06	0.05	0.06	0.06	6.74	ppb
Thallium	205-1	0.04	0.07	0.07	0.06	25.77	ppb
Tin	118-1	2.71	2.52	2.71	2.64	4.16	ppb
Titanium	47-1	36.85	37.40	34.98	36.41	3.48	ppb
Uranium	238-1	2.55	2.57	2.66	2.59	2.34	ppb
Vanadium	51-2	2.79	2.32	2.84	2.65	10.75	ppb
Yttrium	89-1				105		%
Yttrium	89-2				106		%
Zinc	66-2	82.02	77.54	83.29	80.95	3.73	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-04	Instrumnet Name :	P8
Client Sample ID :	390211039.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:35:43	DataFile Name :	032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.59	0.61	0.58	0.60	2.66	ppb
Zirconium	91-1	0.49	0.57	0.67	0.58	15.85	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-05	Instrumnet Name :	P8
Client Sample ID :	390211040.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:39:13	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	485.19	452.71	469.62	469.17	3.46	ppb
Antimony	121-1	0.23	0.20	0.21	0.22	8.13	ppb
Arsenic	75-1	0.24	0.29	0.31	0.28	13.13	ppb
Barium	135-1	35.22	35.69	34.09	35.00	2.35	ppb
Barium	137-1	35.03	36.04	34.61	35.23	2.09	ppb
Beryllium	9-1	0.09	0.11	0.05	0.09	32.05	ppb
Bismuth	209-1				92		%
Bismuth	209-2				94		%
Boron	11-1	141.03	143.69	146.49	143.74	1.90	ppb
Boron	10-1	144.04	142.59	143.07	143.23	0.51	ppb
Cadmium	106-1	-0.77	-0.26	-0.26	-0.43		ppb
Cadmium	108-1	0.26	0.15	-0.06	0.12	138.95	ppb
Cadmium	111-1	0.02	0.08	0.07	0.06	59.41	ppb
Calcium	43-1	57066.09	56276.41	56514.00	56618.83	0.72	ppb
Calcium	44-1	57270.74	57496.32	56738.68	57168.58	0.68	ppb
Chromium	52-2	0.96	1.03	1.14	1.04	8.41	ppb
Cobalt	59-2	36.57	35.50	37.22	36.43	2.38	ppb
Copper	63-2	37.30	36.31	37.17	36.93	1.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				94		%
Holmium	165-2				97		%
Indium	115-1				94		%
Indium	115-2				98		%
Iron	56-2	981.19	961.38	988.94	977.17	1.45	ppb
Iron	57-2	977.33	971.24	1017.70	988.76	2.55	ppb
Krypton	83-1						cps
Lead	207-1	0.60	0.54	0.55	0.57	5.87	ppb
Lead	208-1	0.63	0.57	0.55	0.58	7.94	ppb
Lead	206-1	0.66	0.61	0.60	0.62	5.29	ppb
Lithium	6-1				86		%
Magnesium	24-2	26261.55	25295.69	26265.12	25940.79	2.15	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-05	Instrumnet Name :	P8
Client Sample ID :	390211040.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:39:13	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	33.08	31.16	32.36	32.20	3.02	ppb
Molybdenum	94-1	0.27	0.29	0.29	0.29	5.03	ppb
Molybdenum	95-1	0.19	0.21	0.20	0.20	5.50	ppb
Molybdenum	96-1	0.27	0.28	0.24	0.26	6.77	ppb
Molybdenum	97-1	0.27	0.19	0.23	0.23	17.39	ppb
Molybdenum	98-1	0.20	0.20	0.20	0.20	0.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	65.57	63.91	65.34	64.94	1.39	ppb
Phosphorus	31-2	55.15	-3.86	-13.78	12.50	298.02	ppb
Potassium	39-2	3942.78	3809.72	4031.54	3928.01	2.84	ppb
Rhodium	103-1				93		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				99		%
Selenium	77-2	0.00	6.77	6.76	4.51	86.60	ppb
Selenium	78-2	0.37	1.48	-0.17	0.56	151.10	ppb
Selenium	82-1	-0.04	1.94	-0.12	0.59	196.89	ppb
Silicon	28-1	13876.39	13856.01	13475.36	13735.92	1.64	ppb
Silver	109-1	0.05	0.04	0.04	0.04	20.23	ppb
Silver	107-1	0.03	0.05	0.04	0.04	24.70	ppb
Sodium	23-2	22345.89	21461.96	22487.63	22098.50	2.52	ppb
Strontium	86-1	63.11	62.60	61.98	62.56	0.91	ppb
Strontium	88-1	64.97	64.18	64.43	64.53	0.62	ppb
Sulfur	34-1	39338.66	37014.85	36766.42	37706.64	3.76	ppb
Terbium	159-1				94		%
Terbium	159-2				97		%
Thallium	203-1	0.00	-0.03	-0.02	-0.02		ppb
Thallium	205-1	-0.02	0.00	-0.02	-0.01		ppb
Tin	118-1	0.07	0.06	0.12	0.09	38.71	ppb
Titanium	47-1	10.23	9.90	9.49	9.88	3.77	ppb
Uranium	238-1	0.36	0.35	0.34	0.35	2.84	ppb
Vanadium	51-2	0.65	0.67	0.79	0.70	10.88	ppb
Yttrium	89-1				96		%
Yttrium	89-2				99		%
Zinc	66-2	6.44	4.86	7.15	6.15	19.05	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-05	Instrumnet Name :	P8
Client Sample ID :	390211040.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:39:13	DataFile Name :	033SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.13	0.12	0.11	0.12	7.21	ppb
Zirconium	91-1	0.22	0.08	0.17	0.16	45.65	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV25	Instrumnet Name :	P8
Client Sample ID :	CCV25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:48:02	DataFile Name :	034CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52482.84	52854.06	52548.20	52628.37	0.38	ppb
Antimony	121-1	531.19	530.77	517.36	526.44	1.49	ppb
Arsenic	75-1	501.60	495.51	496.07	497.73	0.68	ppb
Barium	135-1	2660.14	2703.84	2618.01	2660.66	1.61	ppb
Barium	137-1	2676.62	2738.10	2587.04	2667.25	2.85	ppb
Beryllium	9-1	526.19	529.42	525.78	527.13	0.38	ppb
Bismuth	209-1				91		%
Bismuth	209-2				94		%
Boron	11-1	529.54	542.02	533.88	535.15	1.18	ppb
Boron	10-1	529.33	531.22	533.80	531.45	0.42	ppb
Cadmium	106-1	527.63	537.76	527.46	530.95	1.11	ppb
Cadmium	108-1	522.10	530.79	511.47	521.45	1.86	ppb
Cadmium	111-1	516.95	530.68	514.06	520.56	1.71	ppb
Calcium	43-1	250815.32	248209.22	249791.53	249605.36	0.53	ppb
Calcium	44-1	245129.92	246175.24	246404.66	245903.27	0.28	ppb
Chromium	52-2	508.68	517.80	513.81	513.43	0.89	ppb
Cobalt	59-2	496.69	505.87	502.37	501.65	0.92	ppb
Copper	63-2	962.11	984.19	978.29	974.86	1.17	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				101		%
Indium	115-1				93		%
Indium	115-2				97		%
Iron	56-2	127922.03	130020.26	128870.19	128937.49	0.81	ppb
Iron	57-2	131041.08	131902.35	131089.42	131344.29	0.37	ppb
Krypton	83-1						cps
Lead	207-1	503.72	501.00	498.65	501.12	0.51	ppb
Lead	208-1	514.33	515.43	511.16	513.64	0.43	ppb
Lead	206-1	514.83	513.48	506.13	511.48	0.91	ppb
Lithium	6-1				92		%
Magnesium	24-2	251026.16	253787.44	252716.11	252509.90	0.55	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV25	Instrumnet Name :	P8
Client Sample ID :	CCV25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:48:02	DataFile Name :	034CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1006.72	1027.80	1019.72	1018.08	1.04	ppb
Molybdenum	94-1	2542.96	2538.28	2526.28	2535.84	0.34	ppb
Molybdenum	95-1	2528.01	2510.93	2510.93	2516.63	0.39	ppb
Molybdenum	96-1	2526.63	2501.38	2541.89	2523.30	0.81	ppb
Molybdenum	97-1	2555.33	2544.72	2569.26	2556.44	0.48	ppb
Molybdenum	98-1	2556.11	2519.15	2548.02	2541.09	0.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.20	507.85	502.99	501.35	1.49	ppb
Phosphorus	31-2	10133.54	10534.39	10178.38	10282.10	2.14	ppb
Potassium	39-2	126875.14	127956.94	128057.73	127629.94	0.51	ppb
Rhodium	103-1				91		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				103		%
Selenium	77-2	476.52	541.24	489.93	502.57	6.80	ppb
Selenium	78-2	508.87	536.52	541.88	529.09	3.35	ppb
Selenium	82-1	503.49	502.48	508.54	504.84	0.64	ppb
Silicon	28-1	526.43	520.81	527.18	524.81	0.66	ppb
Silver	109-1	521.21	533.80	514.62	523.21	1.86	ppb
Silver	107-1	516.04	536.49	516.77	523.10	2.22	ppb
Sodium	23-2	251864.87	253628.30	252395.57	252629.58	0.36	ppb
Strontium	86-1	502.85	495.73	504.58	501.05	0.94	ppb
Strontium	88-1	518.42	504.42	509.04	510.62	1.40	ppb
Sulfur	34-1	15061.21	14095.53	14914.92	14690.55	3.54	ppb
Terbium	159-1				96		%
Terbium	159-2				101		%
Thallium	203-1	512.80	512.21	503.30	509.44	1.04	ppb
Thallium	205-1	537.57	520.77	524.52	527.62	1.67	ppb
Tin	118-1	529.46	537.40	527.68	531.51	0.97	ppb
Titanium	47-1	2608.93	2616.20	2591.12	2605.42	0.50	ppb
Uranium	238-1	523.40	525.73	520.95	523.36	0.46	ppb
Vanadium	51-2	511.88	514.10	516.08	514.02	0.41	ppb
Yttrium	89-1				98		%
Yttrium	89-2				101		%
Zinc	66-2	1002.89	1018.34	1013.15	1011.46	0.78	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV25	Instrumnet Name :	P8
Client Sample ID :	CCV25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:48:02	DataFile Name :	034CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	520.09	509.51	509.39	513.00	1.20	ppb
Zirconium	91-1	504.16	501.74	498.07	501.32	0.61	ppb

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCB25 Instrumnet Name : P8
 Client Sample ID : CCB25 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 15:56:07 DataFile Name : 035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.64	1.49	-0.11	0.68	118.70	ppb
Antimony	121-1	0.18	0.23	0.24	0.21	13.12	ppb
Arsenic	75-1	0.03	0.03	0.03	0.03	8.28	ppb
Barium	135-1	-0.06	-0.05	-0.05	-0.05		ppb
Barium	137-1	-0.05	-0.05	0.00	-0.03		ppb
Beryllium	9-1	0.03	0.09	0.03	0.05	66.45	ppb
Bismuth	209-1				88		%
Bismuth	209-2				93		%
Boron	11-1	6.22	5.70	5.19	5.70	9.06	ppb
Boron	10-1	6.14	5.53	4.44	5.37	16.01	ppb
Cadmium	106-1	0.89	0.23	-0.56	0.19	392.39	ppb
Cadmium	108-1	0.12	0.00	-0.11	0.00	3865.32	ppb
Cadmium	111-1	0.09	0.01	-0.04	0.02	367.97	ppb
Calcium	43-1	0.61	-0.04	0.24	0.27	120.16	ppb
Calcium	44-1	38.73	32.91	37.07	36.24	8.27	ppb
Chromium	52-2	-0.11	0.10	0.08	0.02	476.19	ppb
Cobalt	59-2	-0.05	-0.03	-0.08	-0.05		ppb
Copper	63-2	0.09	0.02	0.11	0.07	65.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				89		%
Holmium	165-2				95		%
Indium	115-1				90		%
Indium	115-2				96		%
Iron	56-2	1.01	1.06	1.44	1.17	20.04	ppb
Iron	57-2	-2.87	1.52	1.67	0.11	2398.36	ppb
Krypton	83-1						cps
Lead	207-1	0.16	0.13	0.18	0.16	17.15	ppb
Lead	208-1	0.18	0.15	0.17	0.17	8.46	ppb
Lead	206-1	0.21	0.16	0.18	0.18	14.24	ppb
Lithium	6-1				88		%
Magnesium	24-2	1.25	5.05	1.73	2.68	77.23	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB25	Instrumnet Name :	P8
Client Sample ID :	CCB25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:56:07	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	0.00	-0.03	-0.01		ppb
Molybdenum	94-1	0.05	0.03	0.00	0.03	89.04	ppb
Molybdenum	95-1	0.03	0.02	0.05	0.03	47.36	ppb
Molybdenum	96-1	0.02	0.04	0.02	0.03	56.00	ppb
Molybdenum	97-1	0.09	0.02	0.02	0.05	91.44	ppb
Molybdenum	98-1	0.05	0.03	0.03	0.03	34.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	0.01	-0.12	-0.06		ppb
Phosphorus	31-2	-36.88	-36.89	-36.66	-36.81		ppb
Potassium	39-2	31.11	61.87	39.02	44.00	36.30	ppb
Rhodium	103-1				91		%
Rhodium	103-2				96		%
Scandium	45-1				92		%
Scandium	45-2				97		%
Selenium	77-2	6.97	0.00	0.00	2.32	173.21	ppb
Selenium	78-2	1.57	0.42	0.99	0.99	57.81	ppb
Selenium	82-1	1.15	0.46	0.47	0.70	56.29	ppb
Silicon	28-1	4.92	-0.07	4.37	3.07	89.16	ppb
Silver	109-1	0.05	0.05	0.05	0.05	0.99	ppb
Silver	107-1	0.05	0.05	0.05	0.05	4.26	ppb
Sodium	23-2	94.29	97.59	93.30	95.06	2.36	ppb
Strontium	86-1	0.06	0.18	0.25	0.16	56.19	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	3025.29	1703.46	2239.93	2322.89	28.62	ppb
Terbium	159-1				89		%
Terbium	159-2				95		%
Thallium	203-1	-0.03	-0.03	-0.04	-0.04		ppb
Thallium	205-1	-0.04	-0.05	-0.06	-0.05		ppb
Tin	118-1	0.01	-0.01	0.07	0.02	178.89	ppb
Titanium	47-1	0.03	-0.11	0.00	-0.03		ppb
Uranium	238-1	-0.04	-0.03	-0.04	-0.04		ppb
Vanadium	51-2	-0.03	-0.03	-0.04	-0.03		ppb
Yttrium	89-1				92		%
Yttrium	89-2				96		%
Zinc	66-2	0.02	0.00	0.33	0.11	161.61	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB25	Instrumnet Name :	P8
Client Sample ID :	CCB25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:56:07	DataFile Name :	035CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.00	0.02	0.02	75.06	ppb
Zirconium	91-1	0.06	0.01	0.06	0.04	70.09	ppb

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:27:14	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	63	43	48	51	20.48	cps
Antimony	121-1	92	92	67	83	17.32	cps
Arsenic	75-1	1066	1076	1159	1100	4.62	cps
Barium	135-1	100	125	92	106	16.44	cps
Barium	137-1	108	208	158	158	31.58	cps
Beryllium	9-1	120	107	143	123	15.05	cps
Bismuth	209-1	2042058	2011033	1990152	2014414	1.30	cps
Bismuth	209-2	905843	904237	918931	909670	0.89	cps
Boron	11-1	633	692	508	611	15.33	cps
Boron	10-1	100	92	83	92	9.09	cps
Cadmium	106-1	858	992	958	936	7.41	cps
Cadmium	108-1	13	13	17	14	17.33	cps
Cadmium	111-1	621	723	701	682	7.84	cps
Calcium	43-1	380	373	430	394	7.85	cps
Calcium	44-1	31038	31075	30720	30944	0.63	cps
Chromium	52-2	1673	1673	1770	1706	3.27	cps
Cobalt	59-2	247	203	263	238	13.03	cps
Copper	63-2	587	687	500	591	15.80	cps
Dysprosium	156-1	33	25	17	25	33.32	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	17	17	33	22	43.28	cps
Erbium	164-2	3	3	3	3	0.00	cps
Gadolinium	160-1	33	75	17	42	72.11	cps
Gadolinium	160-2	3	0	7	3	100.05	cps
Holmium	165-1	3319072	3331665	3281638	3310791	0.79	cps
Holmium	165-2	1195193	1188801	1190569	1191521	0.28	cps
Indium	115-1	3089612	3088065	3057667	3078448	0.59	cps
Indium	115-2	246026	243375	241773	243725	0.88	cps
Iron	56-2	3323	3195	3306	3275	2.12	cps
Iron	57-2	94	111	83	96	14.51	cps
Krypton	83-1	957	983	770	903	12.87	cps
Lead	207-1	317	328	450	365	20.28	cps
Lead	208-1	1578	1733	1711	1674	5.03	cps
Lead	206-1	394	483	439	439	10.13	cps
Lithium	6-1	579392	586230	579991	581871	0.65	cps
Magnesium	24-2	408	508	483	467	11.15	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:27:14	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	83	80	83	82	2.35	cps
Molybdenum	94-1	208	183	233	208	12.00	cps
Molybdenum	95-1	92	150	100	114	27.70	cps
Molybdenum	96-1	183	142	142	156	15.47	cps
Molybdenum	97-1	133	142	92	122	21.92	cps
Molybdenum	98-1	167	242	192	200	19.09	cps
Neodymium	150-1	7	20	20	16	49.47	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	117	153	140	137	13.58	cps
Phosphorus	31-2	8	17	0	8	100.02	cps
Potassium	39-2	6127	5977	6243	6116	2.19	cps
Rhodium	103-1	3024331	3044651	3016282	3028421	0.48	cps
Rhodium	103-2	1200525	1203162	1203509	1202398	0.14	cps
Scandium	45-1	2404662	2447444	2460985	2437697	1.21	cps
Scandium	45-2	34385	34205	33821	34137	0.84	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	6	6	4	49.54	cps
Selenium	82-1	-84	-140	119	-35	-388.81	cps
Silicon	28-1	423613	430987	424482	426361	0.95	cps
Silver	109-1	142	100	133	125	17.64	cps
Silver	107-1	150	67	108	108	38.46	cps
Sodium	23-2	8436	8445	8228	8370	1.47	cps
Strontium	86-1	1367	1525	1383	1425	6.11	cps
Strontium	88-1	117	133	117	122	7.87	cps
Sulfur	34-1	581124	584298	581645	582356	0.29	cps
Terbium	159-1	3497629	3527926	3470859	3498804	0.82	cps
Terbium	159-2	1184039	1165768	1174408	1174738	0.78	cps
Thallium	203-1	358	242	358	319	21.09	cps
Thallium	205-1	750	550	717	672	15.94	cps
Tin	118-1	450	392	367	403	10.62	cps
Titanium	47-1	133	142	167	147	11.79	cps
Uranium	238-1	625	458	608	564	16.28	cps
Vanadium	51-2	43	43	53	47	12.37	cps
Yttrium	89-1	3534114	3626599	3539920	3566878	1.45	cps
Yttrium	89-2	197964	199328	198252	198514	0.36	cps
Zinc	66-2	70	63	53	62	13.48	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:27:14	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	275	317	325	306	8.77	cps
Zirconium	91-1	50	75	50	58	24.74	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:34:48	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	200	245	223	223	10.11	cps
Antimony	121-1	9062	9054	9195	9104	0.87	cps
Arsenic	75-1	2709	2970	2738	2806	5.09	cps
Barium	135-1	9913	10071	9929	9971	0.87	cps
Barium	137-1	17362	16269	15935	16522	4.52	cps
Beryllium	9-1	1053	1077	1123	1085	3.29	cps
Bismuth	209-1	1967004	2050929	2016645	2011526	2.10	cps
Bismuth	209-2	917404	913156	936371	922310	1.34	cps
Boron	11-1	17653	17194	17711	17520	1.62	cps
Boron	10-1	3642	3559	3609	3603	1.16	cps
Cadmium	106-1	1058	1033	1108	1067	3.58	cps
Cadmium	108-1	67	100	96	88	20.76	cps
Cadmium	111-1	1844	1758	1788	1797	2.45	cps
Calcium	43-1	7485	7405	7435	7442	0.54	cps
Calcium	44-1	147474	146166	146248	146629	0.50	cps
Chromium	52-2	3407	3647	3487	3514	3.48	cps
Cobalt	59-2	1873	1897	1924	1898	1.32	cps
Copper	63-2	3390	3474	3547	3471	2.26	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	25	25	19	49.50	cps
Erbium	164-2	0	13	0	4	173.21	cps
Gadolinium	160-1	50	42	33	42	20.00	cps
Gadolinium	160-2	3	0	10	4	114.60	cps
Holmium	165-1	3331478	3367785	3315107	3338123	0.81	cps
Holmium	165-2	1197581	1215087	1226739	1213135	1.21	cps
Indium	115-1	3049110	3101086	3079338	3076511	0.85	cps
Indium	115-2	247356	246094	252235	248562	1.30	cps
Iron	56-2	35412	35518	36276	35735	1.32	cps
Iron	57-2	928	933	983	948	3.23	cps
Krypton	83-1	923	997	993	971	4.26	cps
Lead	207-1	2250	2367	2395	2337	3.28	cps
Lead	208-1	10908	10708	10558	10724	1.64	cps
Lead	206-1	2606	2645	2545	2599	1.94	cps
Lithium	6-1	578565	577070	577081	577572	0.15	cps
Magnesium	24-2	20724	20023	19497	20082	3.07	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:34:48	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	370	417	403	397	6.06	cps
Molybdenum	94-1	9270	8803	8895	8990	2.75	cps
Molybdenum	95-1	10680	10846	11747	11091	5.18	cps
Molybdenum	96-1	12248	13165	12273	12562	4.16	cps
Molybdenum	97-1	6919	6710	6744	6791	1.65	cps
Molybdenum	98-1	17462	17011	17379	17284	1.39	cps
Neodymium	150-1	20	20	0	13	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	710	693	620	674	7.10	cps
Phosphorus	31-2	58	67	67	64	7.53	cps
Potassium	39-2	17887	17620	17587	17698	0.93	cps
Rhodium	103-1	3085551	3058555	3086947	3077017	0.52	cps
Rhodium	103-2	1224804	1215266	1244209	1228093	1.20	cps
Scandium	45-1	2414833	2490014	2468160	2457669	1.57	cps
Scandium	45-2	34559	34359	34960	34626	0.88	cps
Selenium	77-2	10	7	3	7	50.03	cps
Selenium	78-2	30	20	20	23	22.79	cps
Selenium	82-1	427	391	322	380	14.15	cps
Silicon	28-1	459236	457079	460663	458993	0.39	cps
Silver	109-1	5160	5460	5376	5332	2.91	cps
Silver	107-1	5802	6068	5852	5907	2.40	cps
Sodium	23-2	50892	51636	51352	51293	0.73	cps
Strontium	86-1	2642	2775	2817	2745	3.33	cps
Strontium	88-1	11622	12073	11439	11711	2.79	cps
Sulfur	34-1	590369	589448	589614	589810	0.08	cps
Terbium	159-1	3484091	3491577	3562813	3512827	1.24	cps
Terbium	159-2	1190839	1193595	1211076	1198503	0.92	cps
Thallium	203-1	3167	3142	2959	3089	3.68	cps
Thallium	205-1	7544	7619	7703	7622	1.04	cps
Tin	118-1	16119	16127	17462	16569	4.67	cps
Titanium	47-1	3767	3851	3726	3781	1.68	cps
Uranium	238-1	8962	8703	9379	9015	3.78	cps
Vanadium	51-2	3721	3314	3527	3521	5.78	cps
Yttrium	89-1	3531777	3648101	3550097	3576658	1.75	cps
Yttrium	89-2	199601	198126	204075	200601	1.54	cps
Zinc	66-2	380	363	333	359	6.59	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:34:48	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7052	6952	6969	6991	0.77	cps
Zirconium	91-1	1717	1675	1500	1631	7.05	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:38:45	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9391	9318	9133	9280	1.43	cps
Antimony	121-1	253698	257772	252931	254800	1.02	cps
Arsenic	75-1	89390	91976	89316	90227	1.68	cps
Barium	135-1	247072	251507	251581	250053	1.03	cps
Barium	137-1	434777	443981	441360	440039	1.08	cps
Beryllium	9-1	55332	55460	54888	55227	0.54	cps
Bismuth	209-1	2095770	2026752	2050652	2057725	1.70	cps
Bismuth	209-2	951994	909042	927497	929511	2.32	cps
Boron	11-1	35061	35253	37041	35785	3.05	cps
Boron	10-1	7511	7394	6835	7247	4.98	cps
Cadmium	106-1	7252	7628	7152	7344	3.41	cps
Cadmium	108-1	4543	4217	4263	4341	4.05	cps
Cadmium	111-1	59976	62483	59976	60812	2.38	cps
Calcium	43-1	77352	79229	77991	78190	1.22	cps
Calcium	44-1	1300237	1310687	1292855	1301260	0.69	cps
Chromium	52-2	49123	49507	48976	49202	0.56	cps
Cobalt	59-2	93689	95773	94655	94706	1.10	cps
Copper	63-2	153572	155368	154585	154508	0.58	cps
Dysprosium	156-1	17	0	0	6	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	8	33	22	57.30	cps
Erbium	164-2	0	0	7	2	173.21	cps
Gadolinium	160-1	50	42	42	44	10.82	cps
Gadolinium	160-2	7	3	3	4	43.40	cps
Holmium	165-1	3378083	3378396	3408220	3388233	0.51	cps
Holmium	165-2	1249676	1200902	1225185	1225254	1.99	cps
Indium	115-1	3129732	3140092	3159838	3143221	0.49	cps
Indium	115-2	255052	243410	249432	249298	2.34	cps
Iron	56-2	1674991	1690793	1694886	1686890	0.62	cps
Iron	57-2	41379	41317	42387	41694	1.44	cps
Krypton	83-1	970	983	993	982	1.19	cps
Lead	207-1	115033	114294	113997	114441	0.47	cps
Lead	208-1	511990	510983	508348	510440	0.37	cps
Lead	206-1	125245	127389	125813	126149	0.88	cps
Lithium	6-1	587048	592189	589712	589650	0.44	cps
Magnesium	24-2	202626	204773	201212	202870	0.88	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:38:45 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	29892	29879	29525	29765	0.70	cps
Molybdenum	94-1	486682	485819	481074	484525	0.62	cps
Molybdenum	95-1	596637	609808	599932	602125	1.14	cps
Molybdenum	96-1	662403	667825	663924	664717	0.42	cps
Molybdenum	97-1	369140	372446	371825	371137	0.47	cps
Molybdenum	98-1	941212	952838	955432	949827	0.80	cps
Neodymium	150-1	20	40	33	31	32.73	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	27735	27320	27384	27479	0.81	cps
Phosphorus	31-2	717	792	892	800	10.97	cps
Potassium	39-2	67153	67898	66407	67153	1.11	cps
Rhodium	103-1	3080216	3092489	3144941	3105882	1.11	cps
Rhodium	103-2	1260213	1195736	1226682	1227543	2.63	cps
Scandium	45-1	2480097	2495074	2542271	2505814	1.29	cps
Scandium	45-2	35488	33841	34168	34499	2.53	cps
Selenium	77-2	50	47	50	49	3.93	cps
Selenium	78-2	176	169	167	170	2.88	cps
Selenium	82-1	4230	4447	4456	4378	2.93	cps
Silicon	28-1	632531	673103	639487	648373	3.35	cps
Silver	109-1	270864	270207	274119	271730	0.77	cps
Silver	107-1	288099	284380	288348	286942	0.77	cps
Sodium	23-2	477816	473386	476103	475768	0.47	cps
Strontium	86-1	87421	87413	87732	87522	0.21	cps
Strontium	88-1	738174	734162	728134	733490	0.69	cps
Sulfur	34-1	609159	607836	608588	608528	0.11	cps
Terbium	159-1	3589524	3608332	3633619	3610492	0.61	cps
Terbium	159-2	1247100	1173982	1207220	1209434	3.03	cps
Thallium	203-1	159037	158494	159028	158853	0.20	cps
Thallium	205-1	375952	379819	378510	378094	0.52	cps
Tin	118-1	169485	169333	168786	169201	0.22	cps
Titanium	47-1	192090	190082	188663	190278	0.90	cps
Uranium	238-1	463132	465299	457771	462067	0.84	cps
Vanadium	51-2	35769	36046	35682	35833	0.53	cps
Yttrium	89-1	3682742	3666253	3696915	3681970	0.42	cps
Yttrium	89-2	208326	195664	200677	201556	3.16	cps
Zinc	66-2	17308	17465	17518	17430	0.63	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:38:45	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	396296	399973	394027	396765	0.76	cps
Zirconium	91-1	87641	86683	85929	86751	0.99	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:42:39 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22281	22704	22461	22482	0.94	cps
Antimony	121-1	653807	641944	641624	645792	1.08	cps
Arsenic	75-1	222102	223716	224113	223310	0.48	cps
Barium	135-1	635157	629371	630784	631771	0.48	cps
Barium	137-1	1108484	1102627	1101833	1104315	0.33	cps
Beryllium	9-1	137372	136235	137506	137038	0.51	cps
Bismuth	209-1	2056762	2056829	2059190	2057594	0.07	cps
Bismuth	209-2	930737	929138	921440	927105	0.54	cps
Boron	11-1	90527	89252	90686	90155	0.87	cps
Boron	10-1	17403	17979	18971	18118	4.38	cps
Cadmium	106-1	17178	16436	17520	17045	3.25	cps
Cadmium	108-1	11376	10900	10921	11066	2.43	cps
Cadmium	111-1	152132	152884	151271	152096	0.53	cps
Calcium	43-1	190190	192380	194039	192203	1.00	cps
Calcium	44-1	3147819	3158343	3189541	3165234	0.69	cps
Chromium	52-2	119609	120318	120681	120203	0.45	cps
Cobalt	59-2	232230	235856	232614	233566	0.85	cps
Copper	63-2	377159	379099	383296	379851	0.83	cps
Dysprosium	156-1	0	33	33	22	86.60	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	25	17	22	21.64	cps
Erbium	164-2	7	0	0	2	173.21	cps
Gadolinium	160-1	42	33	42	39	12.38	cps
Gadolinium	160-2	7	7	0	4	86.60	cps
Holmium	165-1	3409808	3439351	3425336	3424832	0.43	cps
Holmium	165-2	1232884	1230916	1219369	1227723	0.59	cps
Indium	115-1	3136550	3089497	3066339	3097462	1.16	cps
Indium	115-2	247760	246942	245233	246645	0.52	cps
Iron	56-2	4063168	4101058	4147693	4103973	1.03	cps
Iron	57-2	102245	101853	101959	102019	0.20	cps
Krypton	83-1	1027	903	947	959	6.53	cps
Lead	207-1	285908	287160	286311	286460	0.22	cps
Lead	208-1	1276444	1280757	1280161	1279121	0.18	cps
Lead	206-1	316277	316434	316226	316312	0.03	cps
Lithium	6-1	585202	587698	581980	584960	0.49	cps
Magnesium	24-2	495086	496950	493636	495224	0.34	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:42:39	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	73221	73204	73103	73176	0.09	cps
Molybdenum	94-1	1198480	1222643	1194479	1205201	1.26	cps
Molybdenum	95-1	1527706	1543636	1522427	1531257	0.72	cps
Molybdenum	96-1	1678021	1728395	1677721	1694712	1.72	cps
Molybdenum	97-1	926263	936702	913652	925539	1.25	cps
Molybdenum	98-1	2406871	2416601	2411346	2411606	0.20	cps
Neodymium	150-1	53	13	33	33	60.02	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	68247	67673	68149	68023	0.45	cps
Phosphorus	31-2	1759	1909	1917	1861	4.79	cps
Potassium	39-2	154876	157185	156923	156328	0.81	cps
Rhodium	103-1	3056693	3103893	3049352	3069980	0.96	cps
Rhodium	103-2	1216274	1217379	1207477	1213710	0.45	cps
Scandium	45-1	2481405	2487526	2500601	2489844	0.39	cps
Scandium	45-2	34549	33975	33721	34081	1.25	cps
Selenium	77-2	167	163	110	147	21.68	cps
Selenium	78-2	393	441	483	439	10.34	cps
Selenium	82-1	10970	11332	10900	11067	2.09	cps
Silicon	28-1	961867	964491	961518	962626	0.17	cps
Silver	109-1	682720	678786	680269	680592	0.29	cps
Silver	107-1	716272	710011	717560	714614	0.57	cps
Sodium	23-2	1184395	1186844	1178734	1183324	0.35	cps
Strontium	86-1	215604	213019	212919	213847	0.71	cps
Strontium	88-1	1864194	1820984	1844766	1843315	1.17	cps
Sulfur	34-1	644033	630865	629041	634646	1.29	cps
Terbium	159-1	3594537	3615133	3608407	3606026	0.29	cps
Terbium	159-2	1221814	1214192	1197551	1211186	1.02	cps
Thallium	203-1	394044	395019	397908	395657	0.51	cps
Thallium	205-1	956173	944906	950849	950642	0.59	cps
Tin	118-1	425802	421339	420503	422548	0.67	cps
Titanium	47-1	467189	474286	473846	471774	0.84	cps
Uranium	238-1	1175449	1167054	1187054	1176519	0.85	cps
Vanadium	51-2	88927	89366	89624	89306	0.39	cps
Yttrium	89-1	3615006	3642782	3634626	3630805	0.39	cps
Yttrium	89-2	201023	201238	197544	199935	1.04	cps
Zinc	66-2	42792	43140	42957	42963	0.40	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:42:39	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	982460	984123	979278	981953	0.25	cps
Zirconium	91-1	213703	216820	216201	215575	0.77	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:46:31 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	44814	44716	44318	44616	0.59	cps
Antimony	121-1	1316355	1309449	1306408	1310737	0.39	cps
Arsenic	75-1	448704	445425	449095	447741	0.45	cps
Barium	135-1	1273690	1287288	1280040	1280339	0.53	cps
Barium	137-1	2236596	2271855	2242989	2250480	0.83	cps
Beryllium	9-1	272503	277209	273816	274509	0.88	cps
Bismuth	209-1	2098526	2081252	2050021	2076600	1.18	cps
Bismuth	209-2	948274	956373	952663	952437	0.43	cps
Boron	11-1	176169	183673	182219	180687	2.20	cps
Boron	10-1	35136	36689	36088	35971	2.18	cps
Cadmium	106-1	33108	33217	33142	33156	0.17	cps
Cadmium	108-1	22131	22427	22269	22276	0.67	cps
Cadmium	111-1	309027	306773	304737	306846	0.70	cps
Calcium	43-1	381817	384619	380620	382352	0.54	cps
Calcium	44-1	6201765	6228618	6179301	6203228	0.40	cps
Chromium	52-2	237582	238637	239887	238702	0.48	cps
Cobalt	59-2	464968	465015	465713	465232	0.09	cps
Copper	63-2	754782	758551	753171	755501	0.37	cps
Dysprosium	156-1	8	42	8	19	99.00	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	42	0	25	22	94.38	cps
Erbium	164-2	13	3	0	6	124.93	cps
Gadolinium	160-1	17	58	33	36	58.08	cps
Gadolinium	160-2	7	0	10	6	91.64	cps
Holmium	165-1	3478695	3466798	3455906	3467133	0.33	cps
Holmium	165-2	1254169	1278040	1257970	1263393	1.02	cps
Indium	115-1	3167899	3153427	3145868	3155732	0.35	cps
Indium	115-2	251916	252040	247293	250416	1.08	cps
Iron	56-2	8111451	8126979	8147333	8128588	0.22	cps
Iron	57-2	205280	207032	204319	205544	0.67	cps
Krypton	83-1	957	903	970	943	3.74	cps
Lead	207-1	577717	585454	578648	580606	0.73	cps
Lead	208-1	2598621	2607846	2589701	2598723	0.35	cps
Lead	206-1	635739	638157	638514	637470	0.24	cps
Lithium	6-1	602384	600441	593353	598726	0.79	cps
Magnesium	24-2	991439	987344	981512	986765	0.51	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:46:31	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	147755	147267	146071	147031	0.59	cps
Molybdenum	94-1	2503754	2463435	2427604	2464931	1.55	cps
Molybdenum	95-1	3127593	3096402	3053737	3092577	1.20	cps
Molybdenum	96-1	3470046	3434834	3417794	3440891	0.77	cps
Molybdenum	97-1	1914105	1901806	1905511	1907140	0.33	cps
Molybdenum	98-1	4875357	4821273	4838664	4845098	0.57	cps
Neodymium	150-1	87	80	73	80	8.33	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	137373	134883	134367	135541	1.19	cps
Phosphorus	31-2	3934	3626	3701	3753	4.28	cps
Potassium	39-2	304032	306601	305918	305517	0.44	cps
Rhodium	103-1	3082718	3069152	3087226	3079699	0.31	cps
Rhodium	103-2	1219139	1231161	1214840	1221713	0.69	cps
Scandium	45-1	2494174	2467600	2482890	2481555	0.54	cps
Scandium	45-2	34923	35101	34954	34992	0.27	cps
Selenium	77-2	277	197	213	229	18.44	cps
Selenium	78-2	900	926	883	903	2.38	cps
Selenium	82-1	22384	22492	22133	22336	0.82	cps
Silicon	28-1	1308751	1331423	1328587	1322920	0.93	cps
Silver	109-1	1378233	1390698	1367323	1378751	0.85	cps
Silver	107-1	1440769	1461811	1432079	1444887	1.06	cps
Sodium	23-2	2354065	2363960	2334519	2350848	0.64	cps
Strontium	86-1	432035	437241	435272	434849	0.60	cps
Strontium	88-1	3672050	3685058	3714354	3690487	0.59	cps
Sulfur	34-1	689810	690337	682386	687511	0.65	cps
Terbium	159-1	3689121	3682180	3637068	3669456	0.77	cps
Terbium	159-2	1242882	1249854	1225543	1239426	1.01	cps
Thallium	203-1	808496	803202	806417	806038	0.33	cps
Thallium	205-1	1916917	1954260	1959925	1943701	1.20	cps
Tin	118-1	857907	856864	858776	857849	0.11	cps
Titanium	47-1	949373	951025	946439	948946	0.24	cps
Uranium	238-1	2485128	2486891	2479907	2483975	0.15	cps
Vanadium	51-2	179382	179095	176953	178477	0.74	cps
Yttrium	89-1	3758632	3696807	3663338	3706259	1.30	cps
Yttrium	89-2	203957	205411	200688	203352	1.19	cps
Zinc	66-2	84321	85166	84723	84737	0.50	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:46:31	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2036214	2029694	2025827	2030578	0.26	cps
Zirconium	91-1	438030	442323	433399	437917	1.02	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:50:17	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	89254	89453	89529	89412	0.16	cps
Antimony	121-1	2677039	2657595	2664062	2666232	0.37	cps
Arsenic	75-1	884345	891833	899806	891995	0.87	cps
Barium	135-1	2586315	2587028	2600115	2591152	0.30	cps
Barium	137-1	4477346	4469604	4494128	4480359	0.28	cps
Beryllium	9-1	537477	546452	549237	544389	1.13	cps
Bismuth	209-1	2074847	2042347	2085060	2067418	1.08	cps
Bismuth	209-2	917342	933690	940874	930636	1.30	cps
Boron	11-1	363387	365533	370109	366343	0.94	cps
Boron	10-1	71773	74912	73312	73332	2.14	cps
Cadmium	106-1	66816	65142	65225	65728	1.44	cps
Cadmium	108-1	44933	44636	44193	44588	0.84	cps
Cadmium	111-1	612652	612105	614525	613094	0.21	cps
Calcium	43-1	766020	766859	768295	767058	0.15	cps
Calcium	44-1	12279283	12369668	12402249	12350400	0.52	cps
Chromium	52-2	469715	472784	472471	471656	0.36	cps
Cobalt	59-2	915905	921839	930158	922634	0.78	cps
Copper	63-2	1501635	1504699	1493029	1499788	0.40	cps
Dysprosium	156-1	25	42	58	42	40.00	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	58	8	50	39	68.89	cps
Erbium	164-2	20	10	7	12	56.76	cps
Gadolinium	160-1	50	50	58	53	9.12	cps
Gadolinium	160-2	0	7	0	2	173.21	cps
Holmium	165-1	3476577	3431658	3459828	3456021	0.66	cps
Holmium	165-2	1242241	1245466	1254270	1247326	0.50	cps
Indium	115-1	3063478	3107582	3126167	3099076	1.04	cps
Indium	115-2	244036	247945	246320	246100	0.80	cps
Iron	56-2	16095164	16147267	16344371	16195601	0.81	cps
Iron	57-2	406501	404945	407143	406196	0.28	cps
Krypton	83-1	980	917	857	918	6.72	cps
Lead	207-1	1166296	1158900	1174964	1166720	0.69	cps
Lead	208-1	5278344	5228903	5278176	5261807	0.54	cps
Lead	206-1	1278587	1277497	1279422	1278502	0.08	cps
Lithium	6-1	599593	597657	603329	600193	0.48	cps
Magnesium	24-2	1992027	2020525	2010324	2007625	0.72	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:50:17	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	291323	291963	293512	292266	0.39	cps
Molybdenum	94-1	4933791	4875169	4968187	4925716	0.95	cps
Molybdenum	95-1	6196832	6079508	6164848	6147063	0.99	cps
Molybdenum	96-1	6838671	6818479	6859729	6838960	0.30	cps
Molybdenum	97-1	3785460	3778399	3825732	3796530	0.67	cps
Molybdenum	98-1	9608751	9641738	9603241	9617910	0.22	cps
Neodymium	150-1	80	47	107	78	38.65	cps
Neodymium	150-2	13	3	3	7	86.65	cps
Nickel	60-2	267055	268327	270081	268487	0.57	cps
Phosphorus	31-2	7377	7794	7169	7447	4.28	cps
Potassium	39-2	604882	608901	605775	606519	0.35	cps
Rhodium	103-1	3058193	3039189	3032592	3043325	0.44	cps
Rhodium	103-2	1194740	1211551	1206579	1204290	0.72	cps
Scandium	45-1	2427933	2457157	2487042	2457377	1.20	cps
Scandium	45-2	35117	34272	34686	34692	1.22	cps
Selenium	77-2	553	537	480	523	7.35	cps
Selenium	78-2	1826	1728	1839	1798	3.38	cps
Selenium	82-1	44320	44312	45023	44552	0.92	cps
Silicon	28-1	2185265	2189360	2211414	2195346	0.64	cps
Silver	109-1	2774020	2770069	2825598	2789896	1.11	cps
Silver	107-1	2893985	2924229	2953047	2923754	1.01	cps
Sodium	23-2	4586236	4618612	4577226	4594024	0.47	cps
Strontium	86-1	852420	863344	865652	860472	0.82	cps
Strontium	88-1	7206608	7269773	7392271	7289551	1.29	cps
Sulfur	34-1	813530	810886	818330	814249	0.46	cps
Terbium	159-1	3633716	3607903	3678882	3640167	0.99	cps
Terbium	159-2	1231001	1216176	1235092	1227423	0.81	cps
Thallium	203-1	1652687	1625833	1587800	1622107	2.01	cps
Thallium	205-1	3885094	3833185	3871964	3863414	0.70	cps
Tin	118-1	1729134	1736808	1761622	1742521	0.97	cps
Titanium	47-1	1909513	1954362	1938101	1933992	1.17	cps
Uranium	238-1	4826635	4909048	4892151	4875945	0.89	cps
Vanadium	51-2	356351	359820	359193	358454	0.52	cps
Yttrium	89-1	3626028	3619941	3685115	3643695	0.99	cps
Yttrium	89-2	200182	200259	202692	201044	0.71	cps
Zinc	66-2	167951	168051	169164	168389	0.40	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:50:17	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4036580	4025200	4072006	4044595	0.60	cps
Zirconium	91-1	883425	881087	894688	886400	0.82	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 13:53:59 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	177356	179022	178481	178287	0.48	cps
Antimony	121-1	5301276	5218461	5271232	5263656	0.80	cps
Arsenic	75-1	1788724	1774731	1784355	1782603	0.40	cps
Barium	135-1	5226110	5065762	5124518	5138797	1.58	cps
Barium	137-1	8868576	8879488	8803949	8850671	0.46	cps
Beryllium	9-1	1106356	1097588	1079399	1094448	1.26	cps
Bismuth	209-1	2050175	2057449	2054376	2054000	0.18	cps
Bismuth	209-2	924517	930719	927517	927584	0.33	cps
Boron	11-1	726193	723153	721988	723778	0.30	cps
Boron	10-1	144321	144877	143763	144320	0.39	cps
Cadmium	106-1	129115	126556	128190	127954	1.01	cps
Cadmium	108-1	88337	86576	86815	87243	1.10	cps
Cadmium	111-1	1201287	1203181	1194423	1199630	0.38	cps
Calcium	43-1	1539433	1537954	1535377	1537588	0.13	cps
Calcium	44-1	24615903	24656852	24605141	24625965	0.11	cps
Chromium	52-2	932713	937999	937194	935969	0.30	cps
Cobalt	59-2	1839148	1853596	1844789	1845844	0.39	cps
Copper	63-2	2997476	2989370	2982813	2989886	0.25	cps
Dysprosium	156-1	83	83	50	72	26.65	cps
Dysprosium	156-2	10	7	13	10	33.30	cps
Erbium	164-1	42	33	25	33	25.01	cps
Erbium	164-2	10	3	7	7	50.03	cps
Gadolinium	160-1	50	50	67	56	17.32	cps
Gadolinium	160-2	10	7	10	9	21.63	cps
Holmium	165-1	3515942	3460919	3408252	3461705	1.56	cps
Holmium	165-2	1255058	1255739	1256802	1255866	0.07	cps
Indium	115-1	3097487	3059839	3033499	3063608	1.05	cps
Indium	115-2	244416	242352	240365	242377	0.84	cps
Iron	56-2	32070331	32128681	32484016	32227676	0.69	cps
Iron	57-2	809271	813612	811231	811371	0.27	cps
Krypton	83-1	897	1003	957	952	5.62	cps
Lead	207-1	2374433	2382551	2323787	2360257	1.35	cps
Lead	208-1	10477353	10486731	10419328	10461137	0.35	cps
Lead	206-1	2517025	2558759	2556131	2543972	0.92	cps
Lithium	6-1	595429	587725	590809	591321	0.66	cps
Magnesium	24-2	3931636	3920784	3890077	3914166	0.55	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:53:59	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	580307	587084	587796	585062	0.71	cps
Molybdenum	94-1	9809105	9661419	9790560	9753695	0.82	cps
Molybdenum	95-1	12341023	12150422	12161073	12217506	0.88	cps
Molybdenum	96-1	13638800	13573104	13574306	13595403	0.28	cps
Molybdenum	97-1	7500481	7525830	7538968	7521760	0.26	cps
Molybdenum	98-1	19453761	19214200	19173731	19280564	0.78	cps
Neodymium	150-1	187	213	227	209	9.75	cps
Neodymium	150-2	3	10	3	6	69.34	cps
Nickel	60-2	524584	524511	524284	524460	0.03	cps
Phosphorus	31-2	15342	15209	14958	15170	1.28	cps
Potassium	39-2	1200305	1214193	1204144	1206214	0.59	cps
Rhodium	103-1	2989115	3004283	2997273	2996890	0.25	cps
Rhodium	103-2	1190863	1196468	1188045	1191792	0.36	cps
Scandium	45-1	2489300	2483247	2462319	2478289	0.57	cps
Scandium	45-2	34970	35482	34893	35115	0.91	cps
Selenium	77-2	927	1050	1083	1020	8.09	cps
Selenium	78-2	3408	3567	3384	3453	2.89	cps
Selenium	82-1	88966	88202	87807	88325	0.67	cps
Silicon	28-1	3716774	3705091	3678626	3700164	0.53	cps
Silver	109-1	5417907	5380599	5360613	5386373	0.54	cps
Silver	107-1	5744084	5637170	5654929	5678728	1.01	cps
Sodium	23-2	9109383	9019613	8980834	9036610	0.73	cps
Strontium	86-1	1773760	1743023	1731821	1749535	1.24	cps
Strontium	88-1	14668208	14620668	14443332	14577403	0.81	cps
Sulfur	34-1	948053	954745	928943	943914	1.42	cps
Terbium	159-1	3710081	3739867	3655586	3701845	1.15	cps
Terbium	159-2	1244544	1238339	1230946	1237943	0.55	cps
Thallium	203-1	3211078	3260776	3220584	3230813	0.82	cps
Thallium	205-1	7575953	7561229	7522010	7553064	0.37	cps
Tin	118-1	3442493	3453741	3451674	3449303	0.17	cps
Titanium	47-1	3813139	3778231	3761049	3784139	0.70	cps
Uranium	238-1	9736443	9592127	9522977	9617182	1.13	cps
Vanadium	51-2	709090	720482	720542	716705	0.92	cps
Yttrium	89-1	3703120	3682761	3647017	3677633	0.77	cps
Yttrium	89-2	206055	205127	202992	204724	0.77	cps
Zinc	66-2	330270	333414	334608	332764	0.67	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:53:59	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7965895	7970952	7963593	7966813	0.05	cps
Zirconium	91-1	1774674	1775345	1746510	1765510	0.93	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:57:32	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	935147	938883	935458	936496	0.22	cps
Antimony	121-1	5860	5943	5943	5915	0.81	cps
Arsenic	75-1	3593	3725	3509	3609	3.01	cps
Barium	135-1	692	450	475	539	24.66	cps
Barium	137-1	950	925	800	892	9.01	cps
Beryllium	9-1	350	303	260	304	14.78	cps
Bismuth	209-1	1918309	1905570	1825470	1883116	2.67	cps
Bismuth	209-2	841262	811623	809494	820793	2.16	cps
Boron	11-1	16034	15075	13690	14933	7.89	cps
Boron	10-1	3000	2984	2842	2942	2.96	cps
Cadmium	106-1	883	1033	883	933	9.28	cps
Cadmium	108-1	13	8	21	14	45.83	cps
Cadmium	111-1	680	813	666	720	11.27	cps
Calcium	43-1	7698767	7706703	7628359	7677943	0.56	cps
Calcium	44-1	124615015	126034615	124223308	124957646	0.76	cps
Chromium	52-2	8056	8309	8079	8148	1.72	cps
Cobalt	59-2	20812	20999	20976	20929	0.49	cps
Copper	63-2	4514	4211	4191	4305	4.21	cps
Dysprosium	156-1	58	25	42	42	40.00	cps
Dysprosium	156-2	20	7	3	10	88.20	cps
Erbium	164-1	83	17	33	44	78.07	cps
Erbium	164-2	7	7	7	7	0.00	cps
Gadolinium	160-1	58	67	58	61	7.87	cps
Gadolinium	160-2	13	23	13	17	34.65	cps
Holmium	165-1	3387106	3336848	3249722	3324558	2.09	cps
Holmium	165-2	1196812	1176569	1169958	1181113	1.18	cps
Indium	115-1	3036176	2940390	2875754	2950773	2.74	cps
Indium	115-2	242036	240076	237918	240010	0.86	cps
Iron	56-2	159633070	161304198	158532120	159823129	0.87	cps
Iron	57-2	4077142	4078726	3966582	4040817	1.59	cps
Krypton	83-1	997	897	967	953	5.38	cps
Lead	207-1	3428	3545	3478	3484	1.68	cps
Lead	208-1	15337	16093	15610	15680	2.44	cps
Lead	206-1	3801	3984	3973	3919	2.62	cps
Lithium	6-1	604167	592931	575391	590830	2.45	cps
Magnesium	24-2	19729712	19881326	19780692	19797243	0.39	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:57:32	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2297	2154	2310	2254	3.85	cps
Molybdenum	94-1	3634	3626	3451	3570	2.90	cps
Molybdenum	95-1	5601	5310	5160	5357	4.19	cps
Molybdenum	96-1	7010	6852	6544	6802	3.49	cps
Molybdenum	97-1	3451	3000	3092	3181	7.48	cps
Molybdenum	98-1	8528	8411	8420	8453	0.77	cps
Neodymium	150-1	93	100	100	98	3.93	cps
Neodymium	150-2	37	20	10	22	60.63	cps
Nickel	60-2	6542	6368	6702	6537	2.55	cps
Phosphorus	31-2	0	17	25	14	91.65	cps
Potassium	39-2	6214284	6262952	6236531	6237922	0.39	cps
Rhodium	103-1	2868867	2873582	2797597	2846682	1.50	cps
Rhodium	103-2	1143650	1119791	1116979	1126807	1.30	cps
Scandium	45-1	2479757	2395849	2465664	2447090	1.84	cps
Scandium	45-2	35879	35030	35097	35336	1.34	cps
Selenium	77-2	7	0	10	6	91.64	cps
Selenium	78-2	6	6	4	5	21.74	cps
Selenium	82-1	-55	49	-46	-17	-335.36	cps
Silicon	28-1	633096	641967	638774	637945	0.70	cps
Silver	109-1	975	617	692	761	24.83	cps
Silver	107-1	900	742	758	800	10.88	cps
Sodium	23-2	46146767	46217158	45776899	46046941	0.51	cps
Strontium	86-1	7327	7477	7761	7522	2.93	cps
Strontium	88-1	53305	52745	52302	52784	0.95	cps
Sulfur	34-1	541644	549228	548502	546458	0.77	cps
Terbium	159-1	3554180	3463955	3408722	3475619	2.11	cps
Terbium	159-2	1181106	1163663	1151327	1165366	1.28	cps
Thallium	203-1	450	358	317	375	18.19	cps
Thallium	205-1	1133	992	942	1022	9.73	cps
Tin	118-1	1859	1850	1850	1853	0.26	cps
Titanium	47-1	700	800	850	783	9.75	cps
Uranium	238-1	825	592	550	656	22.61	cps
Vanadium	51-2	110	127	140	126	11.97	cps
Yttrium	89-1	3601926	3612130	3522135	3578730	1.38	cps
Yttrium	89-2	205277	201835	202036	203049	0.95	cps
Zinc	66-2	1884	1797	1867	1849	2.49	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 13:57:32	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2009	1917	1884	1936	3.34	cps
Zirconium	91-1	333	325	475	378	22.32	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:06:50 DataFile Name : 012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5002	4654	4805	4820	3.62	cps
Antimony	121-1	933472	955911	935048	941477	1.33	cps
Arsenic	75-1	347131	345312	346652	346365	0.27	cps
Barium	135-1	94102	94310	94226	94213	0.11	cps
Barium	137-1	162338	166522	163769	164210	1.29	cps
Beryllium	9-1	96897	98484	97363	97581	0.84	cps
Bismuth	209-1	1788779	1782164	1807670	1792871	0.74	cps
Bismuth	209-2	839335	838521	832665	836840	0.43	cps
Boron	11-1	4268	4284	3984	4179	4.04	cps
Boron	10-1	775	725	842	781	7.50	cps
Cadmium	106-1	11147	11122	11464	11244	1.69	cps
Cadmium	108-1	7477	7469	7556	7501	0.64	cps
Cadmium	111-1	112766	113430	111827	112674	0.72	cps
Calcium	43-1	31345	30583	30811	30913	1.27	cps
Calcium	44-1	534703	530772	534136	533203	0.40	cps
Chromium	52-2	97832	96446	95812	96697	1.07	cps
Cobalt	59-2	191220	189795	187966	189660	0.86	cps
Copper	63-2	156550	156540	154595	155895	0.72	cps
Dysprosium	156-1	33	0	42	25	88.19	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	42	8	33	28	62.46	cps
Erbium	164-2	3	20	13	12	68.66	cps
Gadolinium	160-1	17	33	17	22	43.28	cps
Gadolinium	160-2	3	17	10	10	66.70	cps
Holmium	165-1	3003600	3090467	3033175	3042414	1.45	cps
Holmium	165-2	1137896	1138783	1125401	1134027	0.66	cps
Indium	115-1	2916249	2873858	2939376	2909828	1.14	cps
Indium	115-2	244008	244265	240299	242857	0.91	cps
Iron	56-2	675157	666264	668516	669979	0.69	cps
Iron	57-2	17472	16544	16927	16981	2.75	cps
Krypton	83-1	830	880	923	878	5.32	cps
Lead	207-1	396030	404391	400350	400257	1.04	cps
Lead	208-1	1807134	1829623	1825718	1820825	0.66	cps
Lead	206-1	450469	462028	458242	456913	1.29	cps
Lithium	6-1	501659	506590	507019	505089	0.59	cps
Magnesium	24-2	49346	48985	50348	49560	1.42	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:06:50	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	30233	30046	30093	30124	0.32	cps
Molybdenum	94-1	583	517	483	528	9.65	cps
Molybdenum	95-1	592	608	575	592	2.82	cps
Molybdenum	96-1	567	733	683	661	12.94	cps
Molybdenum	97-1	342	617	533	497	28.36	cps
Molybdenum	98-1	825	1050	983	953	12.13	cps
Neodymium	150-1	7	20	13	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	55965	55125	55002	55364	0.95	cps
Phosphorus	31-2	0	8	8	6	86.60	cps
Potassium	39-2	57552	56975	57870	57466	0.79	cps
Rhodium	103-1	2922281	2952058	2968539	2947626	0.80	cps
Rhodium	103-2	1193985	1192201	1199607	1195264	0.32	cps
Scandium	45-1	2421354	2450687	2449592	2440544	0.68	cps
Scandium	45-2	35014	35548	35498	35353	0.84	cps
Selenium	77-2	263	220	250	244	9.08	cps
Selenium	78-2	719	737	674	710	4.56	cps
Selenium	82-1	17231	17098	17423	17251	0.95	cps
Silicon	28-1	407066	407217	405259	406514	0.27	cps
Silver	109-1	513461	522305	515519	517095	0.90	cps
Silver	107-1	543471	546902	547088	545820	0.37	cps
Sodium	23-2	204483	205792	204762	205012	0.34	cps
Strontium	86-1	5193	4551	4709	4818	6.94	cps
Strontium	88-1	28323	28873	27821	28339	1.86	cps
Sulfur	34-1	539628	538259	535683	537857	0.37	cps
Terbium	159-1	3180525	3253142	3259440	3231036	1.36	cps
Terbium	159-2	1131160	1129720	1119458	1126779	0.57	cps
Thallium	203-1	568543	584824	564117	572494	1.90	cps
Thallium	205-1	1366839	1381994	1358784	1369205	0.86	cps
Tin	118-1	442	458	583	494	15.66	cps
Titanium	47-1	167	183	233	194	17.84	cps
Uranium	238-1	542	417	483	481	13.02	cps
Vanadium	51-2	71002	72617	73284	72301	1.62	cps
Yttrium	89-1	3488528	3537273	3502839	3509547	0.71	cps
Yttrium	89-2	201471	199704	200176	200450	0.46	cps
Zinc	66-2	35886	35499	34787	35391	1.58	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:06:50	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	417	433	483	444	7.81	cps
Zirconium	91-1	242	308	292	281	12.37	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:12:12 DataFile Name : 013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65	43	65	58	22.60	cps
Antimony	121-1	408	317	542	422	26.80	cps
Arsenic	75-1	1082	1066	1077	1075	0.77	cps
Barium	135-1	58	42	58	53	18.23	cps
Barium	137-1	142	117	167	142	17.65	cps
Beryllium	9-1	163	187	163	171	7.87	cps
Bismuth	209-1	1859397	1819333	1828232	1835654	1.15	cps
Bismuth	209-2	840384	834592	851132	842036	1.00	cps
Boron	11-1	2600	2934	2959	2831	7.07	cps
Boron	10-1	642	450	583	558	17.60	cps
Cadmium	106-1	1008	792	858	886	12.52	cps
Cadmium	108-1	4	17	17	13	57.72	cps
Cadmium	111-1	736	580	618	645	12.63	cps
Calcium	43-1	327	373	340	347	6.93	cps
Calcium	44-1	33690	33624	33403	33572	0.45	cps
Chromium	52-2	1660	1897	1760	1772	6.70	cps
Cobalt	59-2	217	183	173	191	11.87	cps
Copper	63-2	640	637	667	648	2.54	cps
Dysprosium	156-1	0	17	33	17	99.99	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	8	8	25	14	69.31	cps
Erbium	164-2	0	3	3	2	86.60	cps
Gadolinium	160-1	25	17	0	14	91.65	cps
Gadolinium	160-2	3	3	0	2	86.60	cps
Holmium	165-1	3133895	3153605	3132285	3139928	0.38	cps
Holmium	165-2	1128132	1129521	1130278	1129310	0.10	cps
Indium	115-1	2975254	2971942	2845177	2930791	2.53	cps
Indium	115-2	244354	242916	243309	243526	0.31	cps
Iron	56-2	4117	4006	3828	3984	3.66	cps
Iron	57-2	150	161	156	156	3.57	cps
Krypton	83-1	827	1020	863	903	11.37	cps
Lead	207-1	689	561	611	620	10.38	cps
Lead	208-1	2850	2478	2778	2702	7.31	cps
Lead	206-1	650	561	622	611	7.44	cps
Lithium	6-1	511855	514166	505560	510527	0.87	cps
Magnesium	24-2	558	500	467	508	9.13	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:12:12 DataFile Name : 013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	90	53	87	77	26.45	cps
Molybdenum	94-1	133	175	233	181	27.82	cps
Molybdenum	95-1	108	133	92	111	18.88	cps
Molybdenum	96-1	142	183	183	169	14.20	cps
Molybdenum	97-1	183	158	208	183	13.64	cps
Molybdenum	98-1	150	150	150	150	0.00	cps
Neodymium	150-1	13	7	7	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	173	117	127	139	21.78	cps
Phosphorus	31-2	8	33	0	14	124.92	cps
Potassium	39-2	7127	6460	6710	6766	4.98	cps
Rhodium	103-1	2979747	3031455	2833051	2948084	3.49	cps
Rhodium	103-2	1191631	1194276	1199289	1195065	0.33	cps
Scandium	45-1	2483646	2472880	2575484	2510670	2.25	cps
Scandium	45-2	35171	34713	35675	35186	1.37	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	2	0	2	1	86.60	cps
Selenium	82-1	61	-131	-3	-24	-402.05	cps
Silicon	28-1	394293	393877	398155	395442	0.60	cps
Silver	109-1	308	450	300	353	23.90	cps
Silver	107-1	417	358	333	369	11.58	cps
Sodium	23-2	14942	15175	15317	15145	1.25	cps
Strontium	86-1	1325	1267	1300	1297	2.26	cps
Strontium	88-1	92	192	108	131	41.04	cps
Sulfur	34-1	542086	543314	561631	549010	1.99	cps
Terbium	159-1	3250186	3342745	3387933	3326955	2.11	cps
Terbium	159-2	1125441	1123341	1124170	1124317	0.09	cps
Thallium	203-1	308	192	242	247	23.67	cps
Thallium	205-1	425	533	417	458	14.20	cps
Tin	118-1	308	375	375	353	10.91	cps
Titanium	47-1	133	133	142	136	3.53	cps
Uranium	238-1	383	308	325	339	11.62	cps
Vanadium	51-2	33	43	37	38	13.48	cps
Yttrium	89-1	3565620	3560006	3328935	3484854	3.88	cps
Yttrium	89-2	201867	199784	201429	201027	0.55	cps
Zinc	66-2	73	133	97	101	29.92	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:12:12	DataFile Name :	013CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	375	325	400	367	10.42	cps
Zirconium	91-1	75	67	83	75	11.11	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:15:46 DataFile Name : 014ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	804867	811646	807867	808127	0.42	cps
Antimony	121-1	5610	5635	5293	5512	3.46	cps
Arsenic	75-1	4182	3650	4041	3958	6.96	cps
Barium	135-1	1467	1367	1425	1420	3.54	cps
Barium	137-1	2434	2234	2400	2356	4.55	cps
Beryllium	9-1	377	427	363	389	8.59	cps
Bismuth	209-1	1863166	1821550	1815217	1833311	1.42	cps
Bismuth	209-2	844178	851135	840984	845433	0.61	cps
Boron	11-1	2875	2942	2767	2862	3.09	cps
Boron	10-1	650	700	583	644	9.08	cps
Cadmium	106-1	975	992	808	925	10.96	cps
Cadmium	108-1	863	771	858	831	6.23	cps
Cadmium	111-1	1037	1213	1086	1112	8.16	cps
Calcium	43-1	1514271	1474201	1488490	1492321	1.36	cps
Calcium	44-1	24040120	24065835	24188810	24098255	0.33	cps
Chromium	52-2	19964	20385	19974	20108	1.19	cps
Cobalt	59-2	2114	2334	2197	2215	5.02	cps
Copper	63-2	12609	12889	12542	12680	1.45	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Dysprosium	156-2	10	0	7	6	91.64	cps
Erbium	164-1	17	33	33	28	34.63	cps
Erbium	164-2	7	13	10	10	33.30	cps
Gadolinium	160-1	17	58	17	31	78.72	cps
Gadolinium	160-2	7	7	3	6	34.70	cps
Holmium	165-1	3205116	3211145	3217531	3211264	0.19	cps
Holmium	165-2	1184127	1167395	1179877	1177133	0.74	cps
Indium	115-1	2969400	2969748	2951813	2963653	0.35	cps
Indium	115-2	248676	244309	245438	246141	0.92	cps
Iron	56-2	63069308	61984268	62457932	62503836	0.87	cps
Iron	57-2	1616140	1587680	1607891	1603904	0.91	cps
Krypton	83-1	903	973	793	890	10.20	cps
Lead	207-1	8859	8592	9098	8850	2.86	cps
Lead	208-1	42335	41883	41461	41893	1.04	cps
Lead	206-1	11094	11733	10894	11240	3.90	cps
Lithium	6-1	507889	497577	503044	502837	1.03	cps
Magnesium	24-2	3908302	3880856	3845370	3878176	0.81	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:15:46 DataFile Name : 014ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2370	2384	2274	2342	2.56	cps
Molybdenum	94-1	2489804	2442058	2467535	2466466	0.97	cps
Molybdenum	95-1	4302895	4277378	4280239	4286837	0.33	cps
Molybdenum	96-1	4651292	4559140	4609786	4606740	1.00	cps
Molybdenum	97-1	2692972	2666813	2614145	2657977	1.51	cps
Molybdenum	98-1	6792389	6654331	6736333	6727684	1.03	cps
Neodymium	150-1	27	7	33	22	62.44	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	2977	2857	2790	2875	3.29	cps
Phosphorus	31-2	73726	74044	72922	73564	0.79	cps
Potassium	39-2	2423887	2430390	2397492	2417256	0.72	cps
Rhodium	103-1	2914495	2880023	2892368	2895629	0.60	cps
Rhodium	103-2	1185916	1179643	1168353	1177970	0.76	cps
Scandium	45-1	2486329	2465749	2471921	2474666	0.43	cps
Scandium	45-2	35478	34877	34964	35106	0.93	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	9	6	4	6	45.85	cps
Selenium	82-1	-8	-97	15	-30	-197.49	cps
Silicon	28-1	515561	509134	517534	514076	0.85	cps
Silver	109-1	1267	1592	1275	1378	13.45	cps
Silver	107-1	1642	1725	1909	1759	7.76	cps
Sodium	23-2	9028425	9037009	9011136	9025524	0.15	cps
Strontium	86-1	50796	48245	48780	49274	2.73	cps
Strontium	88-1	417681	414818	414309	415603	0.44	cps
Sulfur	34-1	2471149	2423791	2415764	2436901	1.23	cps
Terbium	159-1	3374095	3346537	3349911	3356848	0.45	cps
Terbium	159-2	1165992	1159579	1160581	1162051	0.30	cps
Thallium	203-1	525	425	250	400	34.80	cps
Thallium	205-1	967	917	767	883	11.78	cps
Tin	118-1	725	867	900	831	11.19	cps
Titanium	47-1	1497581	1458697	1487212	1481163	1.36	cps
Uranium	238-1	542	500	525	522	4.02	cps
Vanadium	51-2	137	113	117	122	10.32	cps
Yttrium	89-1	3597070	3597523	3520982	3571858	1.23	cps
Yttrium	89-2	204908	205532	203532	204657	0.50	cps
Zinc	66-2	2010	1997	2017	2008	0.51	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:15:46	DataFile Name :	014ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	508	492	508	503	1.91	cps
Zirconium	91-1	83	125	58	89	37.89	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:19:13 DataFile Name : 015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	784835	802383	808046	798421	1.52	cps
Antimony	121-1	100166	100804	101980	100984	0.91	cps
Arsenic	75-1	38177	37824	36625	37542	2.17	cps
Barium	135-1	20700	20675	20074	20483	1.73	cps
Barium	137-1	35148	36870	36276	36098	2.42	cps
Beryllium	9-1	19694	19864	19951	19836	0.66	cps
Bismuth	209-1	1818150	1813639	1854918	1828902	1.24	cps
Bismuth	209-2	812905	836152	835017	828025	1.58	cps
Boron	11-1	45682	46894	45682	46086	1.52	cps
Boron	10-1	8953	9203	9195	9117	1.56	cps
Cadmium	106-1	4059	4076	3776	3970	4.25	cps
Cadmium	108-1	2725	2567	2592	2628	3.24	cps
Cadmium	111-1	23465	24181	23356	23667	1.89	cps
Calcium	43-1	1522428	1482414	1493565	1499469	1.38	cps
Calcium	44-1	23865588	24055694	24073585	23998289	0.48	cps
Chromium	52-2	37420	37905	38720	38015	1.73	cps
Cobalt	59-2	36852	37808	38557	37739	2.26	cps
Copper	63-2	41208	42080	42789	42026	1.88	cps
Dysprosium	156-1	8	33	42	28	62.46	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	8	8	58	25	115.49	cps
Erbium	164-2	13	10	7	10	33.30	cps
Gadolinium	160-1	75	50	42	56	31.22	cps
Gadolinium	160-2	7	10	10	9	21.63	cps
Holmium	165-1	3245043	3151066	3221702	3205937	1.53	cps
Holmium	165-2	1126787	1158506	1157073	1147455	1.56	cps
Indium	115-1	2978978	2982788	2991145	2984304	0.21	cps
Indium	115-2	228041	238047	237891	234660	2.44	cps
Iron	56-2	60848187	62473139	62845903	62055743	1.71	cps
Iron	57-2	1557933	1604768	1610064	1590922	1.80	cps
Krypton	83-1	947	857	1003	936	7.91	cps
Lead	207-1	47138	48119	48253	47837	1.27	cps
Lead	208-1	219528	221586	223952	221689	1.00	cps
Lead	206-1	56364	57419	56454	56746	1.03	cps
Lithium	6-1	500579	500420	506592	502530	0.70	cps
Magnesium	24-2	3759427	3844656	3940543	3848208	2.35	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:19:13	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	7872	7749	8186	7936	2.84	cps
Molybdenum	94-1	2688434	2721482	2707735	2705884	0.61	cps
Molybdenum	95-1	4390400	4496936	4458348	4448561	1.21	cps
Molybdenum	96-1	4768059	4863669	4759529	4797086	1.21	cps
Molybdenum	97-1	2751931	2768093	2772335	2764120	0.39	cps
Molybdenum	98-1	6940799	6990416	7040132	6990449	0.71	cps
Neodymium	150-1	20	20	33	24	31.49	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	12943	13337	13417	13232	1.92	cps
Phosphorus	31-2	71908	71372	74438	72573	2.26	cps
Potassium	39-2	2362882	2400590	2420304	2394592	1.22	cps
Rhodium	103-1	2883208	2867637	2898696	2883180	0.54	cps
Rhodium	103-2	1108245	1153376	1146280	1135967	2.14	cps
Scandium	45-1	2458541	2390050	2442010	2430200	1.47	cps
Scandium	45-2	33567	34222	34726	34172	1.70	cps
Selenium	77-2	27	50	43	40	30.04	cps
Selenium	78-2	70	89	87	82	12.42	cps
Selenium	82-1	1591	1731	1603	1642	4.74	cps
Silicon	28-1	736595	738857	741051	738834	0.30	cps
Silver	109-1	97426	98275	98217	97972	0.48	cps
Silver	107-1	102296	104100	105117	103838	1.38	cps
Sodium	23-2	8766510	8911891	9032039	8903480	1.49	cps
Strontium	86-1	139044	142250	142833	141375	1.44	cps
Strontium	88-1	1176732	1191870	1185180	1184594	0.64	cps
Sulfur	34-1	2430748	2412749	2385023	2409507	0.96	cps
Terbium	159-1	3378218	3398900	3415705	3397608	0.55	cps
Terbium	159-2	1114005	1142884	1162758	1139882	2.15	cps
Thallium	203-1	57029	57180	57339	57183	0.27	cps
Thallium	205-1	135637	138097	135955	136563	0.98	cps
Tin	118-1	199706	201939	201658	201101	0.60	cps
Titanium	47-1	1520923	1522071	1526543	1523179	0.19	cps
Uranium	238-1	538045	540810	534185	537680	0.62	cps
Vanadium	51-2	13860	14211	13964	14012	1.28	cps
Yttrium	89-1	3517830	3570703	3541716	3543416	0.75	cps
Yttrium	89-2	192141	197629	198945	196238	1.84	cps
Zinc	66-2	5024	5354	5555	5311	5.04	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:19:13	DataFile Name :	015ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	486375	488094	484620	486363	0.36	cps
Zirconium	91-1	106406	108322	109371	108033	1.39	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCV23 Instrumnet Name : P8
 Client Sample ID : CCV23 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:22:40 DataFile Name : 016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	498648	497953	502796	499799	0.52	cps
Antimony	121-1	2603163	2633902	2575190	2604085	1.13	cps
Arsenic	75-1	893615	894147	891493	893085	0.16	cps
Barium	135-1	2551825	2575765	2532802	2553464	0.84	cps
Barium	137-1	4378874	4393437	4354956	4375756	0.44	cps
Beryllium	9-1	527079	523085	527747	525970	0.48	cps
Bismuth	209-1	1872159	1851939	1864079	1862726	0.55	cps
Bismuth	209-2	840616	841738	848083	843479	0.48	cps
Boron	11-1	349332	360050	356269	355217	1.53	cps
Boron	10-1	72199	71395	71361	71652	0.66	cps
Cadmium	106-1	64296	64547	62856	63900	1.43	cps
Cadmium	108-1	42726	43253	42241	42740	1.18	cps
Cadmium	111-1	584383	588046	583489	585306	0.41	cps
Calcium	43-1	3850679	3853212	3891717	3865203	0.59	cps
Calcium	44-1	62369069	63278809	61841169	62496349	1.16	cps
Chromium	52-2	493961	493500	495189	494217	0.18	cps
Cobalt	59-2	956595	950550	951983	953043	0.33	cps
Copper	63-2	1491283	1481087	1500415	1490929	0.65	cps
Dysprosium	156-1	58	33	67	53	32.88	cps
Dysprosium	156-2	10	0	10	7	86.60	cps
Erbium	164-1	25	17	33	25	33.32	cps
Erbium	164-2	3	0	10	4	114.60	cps
Gadolinium	160-1	58	17	42	39	53.93	cps
Gadolinium	160-2	13	13	20	16	24.76	cps
Holmium	165-1	3270620	3226662	3254238	3250507	0.68	cps
Holmium	165-2	1194056	1193496	1204158	1197237	0.50	cps
Indium	115-1	2933489	2952078	2948103	2944557	0.33	cps
Indium	115-2	240057	239823	237984	239288	0.47	cps
Iron	56-2	83390469	83349938	84042113	83594173	0.46	cps
Iron	57-2	2158239	2161234	2156123	2158532	0.12	cps
Krypton	83-1	893	823	893	870	4.65	cps
Lead	207-1	1067135	1056378	1059202	1060905	0.53	cps
Lead	208-1	4835825	4788918	4801232	4808658	0.51	cps
Lead	206-1	1185216	1150638	1152167	1162674	1.68	cps
Lithium	6-1	539855	538944	532242	537013	0.77	cps
Magnesium	24-2	10101852	10041523	10057065	10066813	0.31	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV23	Instrumnet Name :	P8
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:22:40	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	304931	304823	308360	306038	0.66	cps
Molybdenum	94-1	4901363	4924184	4837990	4887846	0.91	cps
Molybdenum	95-1	6052335	6150041	6213667	6138681	1.32	cps
Molybdenum	96-1	6723914	6825138	6887958	6812336	1.21	cps
Molybdenum	97-1	3786338	3787128	3781188	3784885	0.09	cps
Molybdenum	98-1	9640328	9685125	9634689	9653381	0.29	cps
Neodymium	150-1	167	127	133	142	15.07	cps
Neodymium	150-2	17	3	13	11	62.48	cps
Nickel	60-2	271443	270466	270717	270875	0.19	cps
Phosphorus	31-2	8228	7936	7961	8042	2.01	cps
Potassium	39-2	3227210	3271845	3257328	3252128	0.70	cps
Rhodium	103-1	2883818	2900330	2897352	2893833	0.30	cps
Rhodium	103-2	1168165	1151105	1163033	1160767	0.75	cps
Scandium	45-1	2528177	2527022	2491058	2515419	0.84	cps
Scandium	45-2	36558	36865	35793	36405	1.52	cps
Selenium	77-2	453	607	530	530	14.47	cps
Selenium	78-2	1915	1845	1767	1842	4.02	cps
Selenium	82-1	44402	44770	44102	44425	0.75	cps
Silicon	28-1	2177729	2199223	2204232	2193728	0.64	cps
Silver	109-1	2673107	2657290	2637640	2656012	0.67	cps
Silver	107-1	2794226	2797999	2808970	2800398	0.27	cps
Sodium	23-2	23516882	23355813	23510006	23460901	0.39	cps
Strontium	86-1	869905	868320	858773	865666	0.70	cps
Strontium	88-1	7311712	7403906	7296876	7337498	0.79	cps
Sulfur	34-1	790004	795982	796827	794271	0.47	cps
Terbium	159-1	3500971	3458440	3438325	3465912	0.92	cps
Terbium	159-2	1181004	1170808	1188942	1180251	0.77	cps
Thallium	203-1	1484169	1461698	1474316	1473394	0.76	cps
Thallium	205-1	3584238	3524306	3536250	3548265	0.89	cps
Tin	118-1	1710633	1717410	1717214	1715086	0.22	cps
Titanium	47-1	1983871	2004920	1977382	1988724	0.72	cps
Uranium	238-1	4613059	4467598	4477434	4519364	1.80	cps
Vanadium	51-2	377805	376530	377724	377353	0.19	cps
Yttrium	89-1	3668450	3680358	3577785	3642197	1.54	cps
Yttrium	89-2	206528	204025	204933	205162	0.62	cps
Zinc	66-2	171681	171125	172167	171658	0.30	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV23	Instrumnet Name :	P8
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:22:40	DataFile Name :	016CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4052594	4049745	4006067	4036136	0.65	cps
Zirconium	91-1	877588	890080	878939	882202	0.78	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCB23 Instrumnet Name : P8
 Client Sample ID : CCB23 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:26:23 DataFile Name : 017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60	68	73	67	9.43	cps
Antimony	121-1	625	942	1217	928	31.91	cps
Arsenic	75-1	1240	1175	1162	1193	3.53	cps
Barium	135-1	50	100	133	94	44.41	cps
Barium	137-1	108	158	175	147	23.57	cps
Beryllium	9-1	200	167	183	183	9.09	cps
Bismuth	209-1	1913266	1951460	1973710	1946145	1.57	cps
Bismuth	209-2	889154	887962	889940	889019	0.11	cps
Boron	11-1	5360	5710	4976	5348	6.86	cps
Boron	10-1	1283	892	1075	1083	18.09	cps
Cadmium	106-1	975	950	800	908	10.42	cps
Cadmium	108-1	17	13	4	11	57.27	cps
Cadmium	111-1	717	702	590	670	10.31	cps
Calcium	43-1	357	373	347	359	3.75	cps
Calcium	44-1	40164	39111	39188	39488	1.49	cps
Chromium	52-2	1683	1667	1713	1688	1.40	cps
Cobalt	59-2	190	167	233	197	17.20	cps
Copper	63-2	963	893	1023	960	6.78	cps
Dysprosium	156-1	42	25	17	28	45.82	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	25	8	19	49.50	cps
Erbium	164-2	10	3	3	6	69.34	cps
Gadolinium	160-1	8	50	33	31	68.64	cps
Gadolinium	160-2	3	3	0	2	86.60	cps
Holmium	165-1	3184174	3239813	3216073	3213353	0.87	cps
Holmium	165-2	1166393	1179475	1180702	1175524	0.67	cps
Indium	115-1	3019345	3015835	3019158	3018113	0.07	cps
Indium	115-2	248909	247724	251397	249343	0.75	cps
Iron	56-2	4884	4862	4768	4838	1.28	cps
Iron	57-2	156	117	200	157	26.49	cps
Krypton	83-1	1033	987	1020	1013	2.37	cps
Lead	207-1	933	861	872	889	4.38	cps
Lead	208-1	4217	4389	3939	4182	5.43	cps
Lead	206-1	1056	1100	917	1024	9.34	cps
Lithium	6-1	543889	546825	550572	547096	0.61	cps
Magnesium	24-2	525	517	500	514	2.48	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCB23 Instrumnet Name : P8
 Client Sample ID : CCB23 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:26:23 DataFile Name : 017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	63	87	53	68	25.24	cps
Molybdenum	94-1	417	558	250	408	37.80	cps
Molybdenum	95-1	367	367	383	372	2.59	cps
Molybdenum	96-1	433	508	425	456	10.08	cps
Molybdenum	97-1	367	408	283	353	18.04	cps
Molybdenum	98-1	667	692	542	633	12.69	cps
Neodymium	150-1	0	20	7	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	163	117	143	141	16.59	cps
Phosphorus	31-2	8	0	8	6	86.60	cps
Potassium	39-2	8186	7903	7752	7947	2.77	cps
Rhodium	103-1	3003745	3060498	3012017	3025420	1.01	cps
Rhodium	103-2	1219807	1212311	1232009	1221375	0.81	cps
Scandium	45-1	2423230	2445771	2448582	2439194	0.57	cps
Scandium	45-2	35679	35251	35903	35611	0.93	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	2	2	0	1	86.60	cps
Selenium	82-1	-137	-118	-140	-131	-9.22	cps
Silicon	28-1	401924	398934	398415	399757	0.47	cps
Silver	109-1	450	550	400	467	16.37	cps
Silver	107-1	650	458	500	536	18.80	cps
Sodium	23-2	21851	21609	21242	21567	1.42	cps
Strontium	86-1	1242	1292	1450	1328	8.19	cps
Strontium	88-1	125	125	75	108	26.65	cps
Sulfur	34-1	527873	530129	529256	529086	0.22	cps
Terbium	159-1	3409182	3393117	3432081	3411460	0.57	cps
Terbium	159-2	1159295	1162306	1177717	1166439	0.85	cps
Thallium	203-1	333	367	392	364	8.04	cps
Thallium	205-1	950	867	1042	953	9.19	cps
Tin	118-1	517	450	658	542	19.64	cps
Titanium	47-1	150	125	133	136	9.35	cps
Uranium	238-1	375	350	333	353	5.94	cps
Vanadium	51-2	27	37	53	39	34.63	cps
Yttrium	89-1	3508759	3569816	3566802	3548459	0.97	cps
Yttrium	89-2	201230	200313	205092	202212	1.25	cps
Zinc	66-2	150	70	80	100	43.59	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB23	Instrumnet Name :	P8
Client Sample ID :	CCB23	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:26:23	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	492	483	525	500	4.41	cps
Zirconium	91-1	125	83	100	103	20.40	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:29:57	DataFile Name :	018LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	190	243	210	214	12.37	cps
Antimony	121-1	9320	9737	9462	9507	2.23	cps
Arsenic	75-1	2903	2826	3019	2916	3.34	cps
Barium	135-1	9320	8987	9596	9301	3.28	cps
Barium	137-1	16669	16503	16745	16639	0.74	cps
Beryllium	9-1	1163	1137	1143	1148	1.21	cps
Bismuth	209-1	1948718	1983527	1992484	1974910	1.17	cps
Bismuth	209-2	905520	894407	894189	898039	0.72	cps
Boron	11-1	19414	19564	19314	19431	0.65	cps
Boron	10-1	3817	3826	3909	3851	1.32	cps
Cadmium	106-1	1050	942	958	983	5.93	cps
Cadmium	108-1	121	117	100	113	9.80	cps
Cadmium	111-1	1892	1769	1713	1792	5.10	cps
Calcium	43-1	7679	7759	7482	7640	1.86	cps
Calcium	44-1	156328	155725	155835	155963	0.21	cps
Chromium	52-2	3611	3521	3584	3572	1.29	cps
Cobalt	59-2	1974	2084	2070	2042	2.94	cps
Copper	63-2	3884	3797	3574	3752	4.26	cps
Dysprosium	156-1	42	17	8	22	78.07	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	17	17	17	0.00	cps
Erbium	164-2	3	0	3	2	86.60	cps
Gadolinium	160-1	33	42	42	39	12.38	cps
Gadolinium	160-2	0	10	0	3	173.21	cps
Holmium	165-1	3202274	3299785	3321212	3274424	1.94	cps
Holmium	165-2	1214562	1202543	1195971	1204359	0.78	cps
Indium	115-1	3039371	3088643	3051765	3059926	0.84	cps
Indium	115-2	253495	251831	253992	253106	0.45	cps
Iron	56-2	37350	37512	37568	37477	0.30	cps
Iron	57-2	939	1056	972	989	6.08	cps
Krypton	83-1	913	953	933	933	2.14	cps
Lead	207-1	2806	2606	2589	2667	4.52	cps
Lead	208-1	11930	11814	12142	11962	1.39	cps
Lead	206-1	3045	2978	3100	3041	2.01	cps
Lithium	6-1	548248	551761	552848	550953	0.44	cps
Magnesium	24-2	19623	20816	20315	20251	2.96	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:29:57	DataFile Name :	018LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	337	390	367	364	7.34	cps
Molybdenum	94-1	9312	9337	9329	9326	0.14	cps
Molybdenum	95-1	11322	10947	10930	11066	2.00	cps
Molybdenum	96-1	12339	13624	12590	12851	5.30	cps
Molybdenum	97-1	6644	6719	6744	6702	0.78	cps
Molybdenum	98-1	17270	17420	17812	17501	1.60	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	597	630	643	623	3.86	cps
Phosphorus	31-2	50	17	33	33	50.00	cps
Potassium	39-2	19790	19189	19180	19386	1.80	cps
Rhodium	103-1	3001708	3085447	3040729	3042628	1.38	cps
Rhodium	103-2	1231760	1249595	1244962	1242105	0.75	cps
Scandium	45-1	2482856	2482602	2498614	2488024	0.37	cps
Scandium	45-2	35876	35415	35398	35563	0.76	cps
Selenium	77-2	17	10	10	12	31.50	cps
Selenium	78-2	24	28	24	25	8.46	cps
Selenium	82-1	472	392	405	423	10.10	cps
Silicon	28-1	435755	433850	434601	434735	0.22	cps
Silver	109-1	5410	5618	5918	5649	4.53	cps
Silver	107-1	6018	6160	5893	6024	2.22	cps
Sodium	23-2	63894	63618	63717	63743	0.22	cps
Strontium	86-1	2584	2825	2817	2742	5.00	cps
Strontium	88-1	11747	12181	12381	12103	2.68	cps
Sulfur	34-1	538035	539713	533890	537213	0.56	cps
Terbium	159-1	3418736	3475383	3383584	3425901	1.35	cps
Terbium	159-2	1188665	1189936	1174365	1184322	0.73	cps
Thallium	203-1	3034	3084	3192	3103	2.61	cps
Thallium	205-1	7478	7261	7703	7480	2.95	cps
Tin	118-1	16210	16319	17137	16556	3.06	cps
Titanium	47-1	3951	3617	3634	3734	5.03	cps
Uranium	238-1	8270	7845	8186	8100	2.78	cps
Vanadium	51-2	3427	3571	3721	3573	4.11	cps
Yttrium	89-1	3580020	3657605	3579311	3605646	1.25	cps
Yttrium	89-2	204478	206826	202228	204511	1.12	cps
Zinc	66-2	363	477	433	424	13.47	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:29:57	DataFile Name :	018LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7586	7677	7461	7575	1.44	cps
Zirconium	91-1	1500	1367	1875	1581	16.68	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : PB117573BL Instrumnet Name : P8
 Client Sample ID : PB117573BL Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:33:31 DataFile Name : 019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	75	38	68	60	33.07	cps
Antimony	121-1	258	192	208	219	15.81	cps
Arsenic	75-1	1174	1011	1050	1078	7.90	cps
Barium	135-1	100	42	75	72	40.52	cps
Barium	137-1	158	150	108	139	19.29	cps
Beryllium	9-1	120	190	167	159	22.43	cps
Bismuth	209-1	1934036	1977783	1964825	1958881	1.15	cps
Bismuth	209-2	893953	900977	896398	897109	0.40	cps
Boron	11-1	2684	2909	2992	2862	5.58	cps
Boron	10-1	550	583	642	592	7.84	cps
Cadmium	106-1	917	875	867	886	3.02	cps
Cadmium	108-1	0	13	8	7	91.66	cps
Cadmium	111-1	688	637	609	645	6.16	cps
Calcium	43-1	340	403	397	380	9.16	cps
Calcium	44-1	37814	37393	37791	37666	0.63	cps
Chromium	52-2	1653	1627	1903	1728	8.83	cps
Cobalt	59-2	203	160	143	169	18.34	cps
Copper	63-2	697	663	703	688	3.12	cps
Dysprosium	156-1	8	33	17	19	65.48	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	17	8	0	8	100.02	cps
Erbium	164-2	3	0	7	3	100.05	cps
Gadolinium	160-1	17	42	33	31	41.66	cps
Gadolinium	160-2	7	0	13	7	99.98	cps
Holmium	165-1	3285370	3258485	3227138	3256998	0.89	cps
Holmium	165-2	1197237	1190566	1199085	1195630	0.37	cps
Indium	115-1	3047711	3097744	3055155	3066870	0.88	cps
Indium	115-2	250085	250324	254146	251518	0.91	cps
Iron	56-2	4017	3901	3551	3823	6.35	cps
Iron	57-2	83	78	133	98	31.17	cps
Krypton	83-1	933	917	777	876	9.83	cps
Lead	207-1	600	628	561	596	5.61	cps
Lead	208-1	2806	2606	2511	2641	5.69	cps
Lead	206-1	606	689	672	656	6.73	cps
Lithium	6-1	547801	556037	549546	551128	0.79	cps
Magnesium	24-2	592	517	558	556	6.76	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : PB117573BL Instrumnet Name : P8
 Client Sample ID : PB117573BL Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:33:31 DataFile Name : 019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	63	77	93	78	19.33	cps
Molybdenum	94-1	208	233	217	219	5.80	cps
Molybdenum	95-1	92	117	83	97	17.84	cps
Molybdenum	96-1	167	183	125	158	18.97	cps
Molybdenum	97-1	108	117	200	142	35.78	cps
Molybdenum	98-1	200	133	242	192	28.51	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	127	113	157	132	16.78	cps
Phosphorus	31-2	0	8	17	8	100.02	cps
Potassium	39-2	7561	7236	7035	7277	3.64	cps
Rhodium	103-1	3082697	3056528	3004365	3047864	1.31	cps
Rhodium	103-2	1227394	1241504	1224115	1231004	0.75	cps
Scandium	45-1	2474638	2506722	2479078	2486813	0.70	cps
Scandium	45-2	35361	35843	35047	35417	1.13	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	6	6	5	21.74	cps
Selenium	82-1	-11	-18	81	17	317.93	cps
Silicon	28-1	399193	394486	400548	398076	0.80	cps
Silver	109-1	342	308	325	325	5.13	cps
Silver	107-1	350	250	317	306	16.66	cps
Sodium	23-2	18362	17520	17386	17756	2.98	cps
Strontium	86-1	1417	1425	1400	1414	0.90	cps
Strontium	88-1	175	125	67	122	44.36	cps
Sulfur	34-1	541928	540080	543598	541869	0.32	cps
Terbium	159-1	3476465	3471549	3496943	3481653	0.39	cps
Terbium	159-2	1178473	1180236	1185168	1181293	0.29	cps
Thallium	203-1	308	275	250	278	10.53	cps
Thallium	205-1	650	750	767	722	8.74	cps
Tin	118-1	433	433	317	394	17.08	cps
Titanium	47-1	150	142	108	133	16.54	cps
Uranium	238-1	308	300	400	336	16.51	cps
Vanadium	51-2	33	33	27	31	12.36	cps
Yttrium	89-1	3608623	3556953	3585487	3583688	0.72	cps
Yttrium	89-2	201793	204495	202870	203053	0.67	cps
Zinc	66-2	83	83	73	80	7.22	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BL	Instrumnet Name :	P8
Client Sample ID :	PB117573BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:33:31	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	308	283	467	353	28.18	cps
Zirconium	91-1	92	92	50	78	30.93	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : PB117573BS Instrumnet Name : P8
 Client Sample ID : PB117573BS Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:37:05 DataFile Name : 020LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	93029	92823	94033	93295	0.69	cps
Antimony	121-1	2628675	2624973	2612196	2621948	0.33	cps
Arsenic	75-1	890618	895901	889198	891906	0.40	cps
Barium	135-1	2532823	2584658	2566548	2561343	1.03	cps
Barium	137-1	4379428	4450782	4410617	4413609	0.81	cps
Beryllium	9-1	534171	535797	531217	533728	0.44	cps
Bismuth	209-1	1952417	1968958	1968571	1963315	0.48	cps
Bismuth	209-2	899045	911936	912240	907740	0.83	cps
Boron	11-1	351054	357867	358812	355911	1.19	cps
Boron	10-1	69411	70858	71194	70488	1.34	cps
Cadmium	106-1	64731	66146	62889	64589	2.53	cps
Cadmium	108-1	43654	43700	44545	43966	1.14	cps
Cadmium	111-1	596234	601831	595458	597841	0.58	cps
Calcium	43-1	780984	773523	772231	775580	0.61	cps
Calcium	44-1	12558407	12515617	12525521	12533182	0.18	cps
Chromium	52-2	481474	486490	485676	484547	0.56	cps
Cobalt	59-2	931939	936364	948279	938861	0.90	cps
Copper	63-2	1508683	1531161	1562531	1534125	1.76	cps
Dysprosium	156-1	50	42	50	47	10.18	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	17	25	17	19	24.73	cps
Erbium	164-2	0	0	3	1	173.21	cps
Gadolinium	160-1	17	58	50	42	52.91	cps
Gadolinium	160-2	0	10	0	3	173.21	cps
Holmium	165-1	3378796	3375727	3353597	3369373	0.41	cps
Holmium	165-2	1215039	1236494	1243089	1231540	1.19	cps
Indium	115-1	3066090	3059450	3030410	3051984	0.62	cps
Indium	115-2	250169	248040	250275	249495	0.51	cps
Iron	56-2	16644083	16754976	16748923	16715994	0.37	cps
Iron	57-2	417342	419524	417784	418217	0.28	cps
Krypton	83-1	913	910	1007	943	5.82	cps
Lead	207-1	1094952	1101446	1087230	1094542	0.65	cps
Lead	208-1	4961065	5008368	5003474	4990969	0.52	cps
Lead	206-1	1202300	1225248	1211855	1213134	0.95	cps
Lithium	6-1	567285	569142	572604	569677	0.47	cps
Magnesium	24-2	2099979	2076324	2079473	2085258	0.62	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BS	Instrumnet Name :	P8
Client Sample ID :	PB117573BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:37:05	DataFile Name :	020LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	301383	301635	301720	301579	0.06	cps
Molybdenum	94-1	4831107	4838301	4853550	4840986	0.24	cps
Molybdenum	95-1	6009709	6045485	6051247	6035480	0.37	cps
Molybdenum	96-1	6697546	6685855	6700826	6694743	0.12	cps
Molybdenum	97-1	3775551	3761935	3730929	3756138	0.61	cps
Molybdenum	98-1	9554993	9541497	9558148	9551546	0.09	cps
Neodymium	150-1	107	120	87	104	16.07	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	267503	270742	271949	270065	0.85	cps
Phosphorus	31-2	7778	8228	8178	8061	3.06	cps
Potassium	39-2	629972	630408	633989	631456	0.35	cps
Rhodium	103-1	3061232	3000933	2972510	3011558	1.50	cps
Rhodium	103-2	1221856	1220358	1221502	1221239	0.06	cps
Scandium	45-1	2517853	2520833	2503318	2514001	0.37	cps
Scandium	45-2	35575	36367	36541	36161	1.42	cps
Selenium	77-2	540	437	547	508	12.15	cps
Selenium	78-2	1824	1887	1828	1846	1.91	cps
Selenium	82-1	44393	44365	44306	44355	0.10	cps
Silicon	28-1	2102507	2166760	2155469	2141579	1.60	cps
Silver	109-1	2767535	2746554	2743609	2752566	0.47	cps
Silver	107-1	2902157	2904675	2888764	2898532	0.30	cps
Sodium	23-2	4797184	4772035	4781869	4783696	0.26	cps
Strontium	86-1	863691	865796	865288	864925	0.13	cps
Strontium	88-1	7264341	7323831	7290732	7292968	0.41	cps
Sulfur	34-1	811215	799769	797736	802907	0.91	cps
Terbium	159-1	3566647	3529932	3555005	3550528	0.53	cps
Terbium	159-2	1215922	1216019	1219770	1217237	0.18	cps
Thallium	203-1	1558804	1547981	1534958	1547248	0.77	cps
Thallium	205-1	3742112	3776722	3758689	3759174	0.46	cps
Tin	118-1	1713520	1713216	1695760	1707499	0.60	cps
Titanium	47-1	1938972	1960757	1941536	1947088	0.61	cps
Uranium	238-1	4556080	4608785	4631916	4598927	0.85	cps
Vanadium	51-2	366040	371338	369715	369031	0.74	cps
Yttrium	89-1	3605895	3716979	3629820	3650898	1.60	cps
Yttrium	89-2	205578	207487	207169	206744	0.49	cps
Zinc	66-2	170548	171293	171793	171211	0.37	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	PB117573BS	Instrumnet Name :	P8
Client Sample ID :	PB117573BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:37:05	DataFile Name :	020LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3950415	4061835	4020383	4010878	1.40	cps
Zirconium	91-1	864148	882066	871668	872627	1.03	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : K1699-01 Instrumnet Name : P8
 Client Sample ID : BLK-145.2-LOT-22-YR-2 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 14:40:31 DataFile Name : 021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	118	115	145	126	13.23	cps
Antimony	121-1	1008	908	1075	997	8.41	cps
Arsenic	75-1	7970	7997	8113	8026	0.95	cps
Barium	135-1	193920	191705	189311	191645	1.20	cps
Barium	137-1	334648	327884	326720	329751	1.30	cps
Beryllium	9-1	197	203	207	202	2.52	cps
Bismuth	209-1	2109219	2049414	2065684	2074772	1.49	cps
Bismuth	209-2	935312	925143	916501	925652	1.02	cps
Boron	11-1	22886	22660	22802	22783	0.50	cps
Boron	10-1	4376	4309	4518	4401	2.42	cps
Cadmium	106-1	1025	1125	1000	1050	6.30	cps
Cadmium	108-1	21	13	13	15	31.48	cps
Cadmium	111-1	765	825	750	780	5.07	cps
Calcium	43-1	658715	653848	649000	653854	0.74	cps
Calcium	44-1	10544221	10623522	10409509	10525750	1.03	cps
Chromium	52-2	2144	1924	2157	2075	6.32	cps
Cobalt	59-2	200	210	167	192	11.80	cps
Copper	63-2	8369	8236	8436	8347	1.22	cps
Dysprosium	156-1	25	50	100	58	65.47	cps
Dysprosium	156-2	13	27	13	18	43.33	cps
Erbium	164-1	42	42	92	58	49.48	cps
Erbium	164-2	23	7	20	17	52.90	cps
Gadolinium	160-1	100	58	83	81	26.03	cps
Gadolinium	160-2	23	37	23	28	27.73	cps
Holmium	165-1	3570554	3464366	3455225	3496715	1.83	cps
Holmium	165-2	1249810	1237965	1230274	1239350	0.79	cps
Indium	115-1	3349760	3251646	3233411	3278272	1.91	cps
Indium	115-2	262983	265435	259279	262566	1.18	cps
Iron	56-2	54477	53861	54493	54277	0.66	cps
Iron	57-2	1378	1372	1339	1363	1.54	cps
Krypton	83-1	953	903	967	941	3.55	cps
Lead	207-1	1711	1678	1628	1672	2.51	cps
Lead	208-1	7373	7534	7229	7379	2.07	cps
Lead	206-1	1867	2017	1811	1898	5.60	cps
Lithium	6-1	591763	581557	577052	583457	1.29	cps
Magnesium	24-2	735803	737984	732727	735505	0.36	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1699-01	Instrumnet Name :	P8
Client Sample ID :	BLK-145.2-LOT-22-YR-21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:40:31	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1473	1340	1447	1420	4.97	cps
Molybdenum	94-1	3901	4117	3951	3990	2.84	cps
Molybdenum	95-1	6310	6527	5802	6213	5.99	cps
Molybdenum	96-1	6885	6769	7060	6905	2.13	cps
Molybdenum	97-1	4042	4343	4142	4176	3.66	cps
Molybdenum	98-1	10204	10371	10154	10243	1.11	cps
Neodymium	150-1	60	67	40	56	24.98	cps
Neodymium	150-2	20	3	10	11	75.52	cps
Nickel	60-2	220	207	177	201	11.04	cps
Phosphorus	31-2	42	8	42	31	62.99	cps
Potassium	39-2	25975	25090	25240	25435	1.86	cps
Rhodium	103-1	3196400	3191044	3169176	3185540	0.45	cps
Rhodium	103-2	1247121	1254386	1251192	1250899	0.29	cps
Scandium	45-1	2684948	2644322	2638388	2655886	0.95	cps
Scandium	45-2	37417	37106	35832	36785	2.28	cps
Selenium	77-2	0	3	10	4	114.60	cps
Selenium	78-2	9	6	2	6	66.68	cps
Selenium	82-1	-31	98	-36	10	735.30	cps
Silicon	28-1	26296106	25721604	25797172	25938294	1.20	cps
Silver	109-1	383	475	467	442	11.48	cps
Silver	107-1	500	408	442	450	10.31	cps
Sodium	23-2	957321	949374	957085	954593	0.47	cps
Strontium	86-1	1659696	1639769	1633465	1644310	0.83	cps
Strontium	88-1	14082723	13697895	13644331	13808316	1.73	cps
Sulfur	34-1	657228	655551	654534	655771	0.21	cps
Terbium	159-1	3736396	3671780	3610046	3672741	1.72	cps
Terbium	159-2	1242930	1221407	1221415	1228584	1.01	cps
Thallium	203-1	250	283	392	308	24.02	cps
Thallium	205-1	725	692	733	717	3.08	cps
Tin	118-1	392	400	475	422	10.87	cps
Titanium	47-1	408	400	675	495	31.65	cps
Uranium	238-1	23740	24091	22805	23545	2.82	cps
Vanadium	51-2	1280	1000	1093	1125	12.68	cps
Yttrium	89-1	3903559	3826575	3822359	3850831	1.19	cps
Yttrium	89-2	210880	212516	213253	212216	0.57	cps
Zinc	66-2	2917	2937	2727	2860	4.05	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1699-01	Instrumnet Name :	P8
Client Sample ID :	BLK-145.2-LOT-22-YR-21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:40:31	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	425	408	383	406	5.17	cps
Zirconium	91-1	100	75	125	100	25.00	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV24	Instrumnet Name :	P8
Client Sample ID :	CCV24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:48:39	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	494417	500040	497877	497445	0.57	cps
Antimony	121-1	2621345	2595087	2584339	2600257	0.73	cps
Arsenic	75-1	891234	883890	893591	889572	0.57	cps
Barium	135-1	2560455	2575157	2558798	2564803	0.35	cps
Barium	137-1	4405427	4414415	4297454	4372432	1.49	cps
Beryllium	9-1	536310	534931	538930	536724	0.38	cps
Bismuth	209-1	1901776	1847618	1845943	1865112	1.70	cps
Bismuth	209-2	834160	848193	836044	839465	0.91	cps
Boron	11-1	358312	359122	366391	361275	1.23	cps
Boron	10-1	71328	71504	73606	72146	1.76	cps
Cadmium	106-1	64212	64220	63651	64028	0.51	cps
Cadmium	108-1	43044	43186	42835	43022	0.41	cps
Cadmium	111-1	590107	588802	585328	588079	0.42	cps
Calcium	43-1	3877981	3854960	3913380	3882107	0.76	cps
Calcium	44-1	63475077	62958226	62850809	63094704	0.53	cps
Chromium	52-2	487899	491099	490091	489696	0.33	cps
Cobalt	59-2	934511	936891	936433	935945	0.13	cps
Copper	63-2	1489967	1479864	1468277	1479369	0.73	cps
Dysprosium	156-1	42	75	42	53	36.46	cps
Dysprosium	156-2	0	13	7	7	99.98	cps
Erbium	164-1	8	42	33	28	62.46	cps
Erbium	164-2	17	7	7	10	57.72	cps
Gadolinium	160-1	33	42	25	33	25.01	cps
Gadolinium	160-2	7	7	27	13	86.58	cps
Holmium	165-1	3336502	3319775	3243562	3299947	1.50	cps
Holmium	165-2	1186156	1196270	1186552	1189659	0.48	cps
Indium	115-1	3015714	2978062	2961299	2985025	0.93	cps
Indium	115-2	238724	238497	237692	238305	0.23	cps
Iron	56-2	82310585	83090571	81844088	82415081	0.76	cps
Iron	57-2	2127851	2133645	2094055	2118517	1.01	cps
Krypton	83-1	917	1057	967	980	7.24	cps
Lead	207-1	1054885	1067707	1062428	1061673	0.61	cps
Lead	208-1	4822556	4850778	4826238	4833191	0.32	cps
Lead	206-1	1167092	1168106	1163713	1166304	0.20	cps
Lithium	6-1	542888	551366	546847	547034	0.78	cps
Magnesium	24-2	10011386	10062350	10034414	10036050	0.25	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV24	Instrumnet Name :	P8
Client Sample ID :	CCV24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:48:39	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	301921	304111	299325	301785	0.79	cps
Molybdenum	94-1	4960732	4955575	4956234	4957513	0.06	cps
Molybdenum	95-1	6144838	6182320	6149591	6158916	0.33	cps
Molybdenum	96-1	6919930	6857730	6870376	6882679	0.48	cps
Molybdenum	97-1	3834461	3784026	3817315	3811934	0.67	cps
Molybdenum	98-1	9731391	9698336	9714898	9714875	0.17	cps
Neodymium	150-1	187	220	147	184	19.91	cps
Neodymium	150-2	0	17	0	6	173.21	cps
Nickel	60-2	266561	270152	268150	268288	0.67	cps
Phosphorus	31-2	8103	7736	7978	7939	2.35	cps
Potassium	39-2	3249889	3234120	3181975	3221995	1.10	cps
Rhodium	103-1	2929187	2897559	2880923	2902556	0.84	cps
Rhodium	103-2	1152568	1156418	1131952	1146979	1.15	cps
Scandium	45-1	2558241	2517946	2533526	2536571	0.80	cps
Scandium	45-2	36538	36788	35652	36326	1.64	cps
Selenium	77-2	500	483	543	509	6.09	cps
Selenium	78-2	1732	1863	1852	1816	4.02	cps
Selenium	82-1	43993	43796	44046	43945	0.30	cps
Silicon	28-1	2160317	2188923	2200156	2183132	0.94	cps
Silver	109-1	2671461	2670108	2664283	2668618	0.14	cps
Silver	107-1	2836371	2843646	2811586	2830534	0.59	cps
Sodium	23-2	23038233	23331976	23103289	23157832	0.67	cps
Strontium	86-1	868822	864125	868785	867244	0.31	cps
Strontium	88-1	7353226	7407936	7336938	7366034	0.50	cps
Sulfur	34-1	821028	818875	818128	819344	0.18	cps
Terbium	159-1	3479261	3448714	3503573	3477183	0.79	cps
Terbium	159-2	1167840	1172977	1166339	1169052	0.30	cps
Thallium	203-1	1488741	1497019	1480839	1488866	0.54	cps
Thallium	205-1	3631029	3552679	3595616	3593108	1.09	cps
Tin	118-1	1745284	1726158	1683580	1718341	1.84	cps
Titanium	47-1	1996502	1979734	2006917	1994384	0.69	cps
Uranium	238-1	4574794	4610570	4581458	4588940	0.41	cps
Vanadium	51-2	372064	375849	375363	374425	0.55	cps
Yttrium	89-1	3679974	3615459	3570358	3621930	1.52	cps
Yttrium	89-2	204209	203638	200626	202824	0.95	cps
Zinc	66-2	168973	170274	168735	169327	0.49	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV24	Instrumnet Name :	P8
Client Sample ID :	CCV24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 14:48:39	DataFile Name :	022CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4055070	3998027	4003467	4018855	0.78	cps
Zirconium	91-1	875843	881397	880742	879327	0.35	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCB24 Instrumnet Name : P8
 Client Sample ID : CCB24 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 15:03:59 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	68	53	53	58	15.07	cps
Antimony	121-1	358	608	850	606	40.60	cps
Arsenic	75-1	1119	1028	965	1037	7.47	cps
Barium	135-1	42	50	83	58	37.80	cps
Barium	137-1	100	92	92	94	5.10	cps
Beryllium	9-1	147	143	117	136	12.13	cps
Bismuth	209-1	1863377	1853576	1876997	1864650	0.63	cps
Bismuth	209-2	864721	861876	857720	861439	0.41	cps
Boron	11-1	2300	2250	2242	2264	1.39	cps
Boron	10-1	492	442	367	433	14.52	cps
Cadmium	106-1	850	850	858	853	0.57	cps
Cadmium	108-1	21	17	8	15	41.67	cps
Cadmium	111-1	614	621	624	620	0.86	cps
Calcium	43-1	403	360	363	376	6.42	cps
Calcium	44-1	35696	35722	36227	35881	0.83	cps
Chromium	52-2	1763	1810	1787	1787	1.31	cps
Cobalt	59-2	133	147	197	159	21.01	cps
Copper	63-2	547	567	523	546	3.98	cps
Dysprosium	156-1	42	25	0	22	94.38	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	33	25	8	22	57.30	cps
Erbium	164-2	3	3	0	2	86.60	cps
Gadolinium	160-1	42	67	17	42	60.00	cps
Gadolinium	160-2	0	0	3	1	173.21	cps
Holmium	165-1	3155615	3125726	3152697	3144679	0.52	cps
Holmium	165-2	1153963	1161241	1149486	1154897	0.51	cps
Indium	115-1	2989736	2985105	2912768	2962536	1.46	cps
Indium	115-2	246151	244884	244040	245025	0.43	cps
Iron	56-2	3834	3595	3856	3762	3.85	cps
Iron	57-2	100	94	117	104	11.15	cps
Krypton	83-1	880	960	933	924	4.41	cps
Lead	207-1	444	422	378	415	8.18	cps
Lead	208-1	1933	1895	2006	1945	2.90	cps
Lead	206-1	528	517	511	519	1.64	cps
Lithium	6-1	524859	530888	526281	527343	0.60	cps
Magnesium	24-2	550	550	567	556	1.73	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCB24 Instrumnet Name : P8
 Client Sample ID : CCB24 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 15:03:59 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	63	63	90	72	21.32	cps
Molybdenum	94-1	208	292	308	269	19.88	cps
Molybdenum	95-1	233	183	133	183	27.27	cps
Molybdenum	96-1	275	192	242	236	17.76	cps
Molybdenum	97-1	192	208	158	186	13.68	cps
Molybdenum	98-1	292	225	250	256	13.18	cps
Neodymium	150-1	13	0	13	9	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	130	127	137	131	3.88	cps
Phosphorus	31-2	0	0	33	11	173.21	cps
Potassium	39-2	6610	6819	7327	6919	5.33	cps
Rhodium	103-1	3017921	3070528	2986706	3025051	1.40	cps
Rhodium	103-2	1205072	1202761	1199110	1202314	0.25	cps
Scandium	45-1	2451774	2482899	2415954	2450209	1.37	cps
Scandium	45-2	34239	35515	34613	34789	1.89	cps
Selenium	77-2	0	3	7	3	100.05	cps
Selenium	78-2	9	0	4	4	107.89	cps
Selenium	82-1	-28	-88	-102	-73	-54.07	cps
Silicon	28-1	389630	393520	388907	390686	0.64	cps
Silver	109-1	300	300	308	303	1.59	cps
Silver	107-1	317	350	225	297	21.78	cps
Sodium	23-2	15259	15300	15317	15292	0.20	cps
Strontium	86-1	1400	1500	1450	1450	3.45	cps
Strontium	88-1	92	125	83	100	22.05	cps
Sulfur	34-1	552480	552846	551324	552217	0.14	cps
Terbium	159-1	3373120	3373602	3321924	3356216	0.88	cps
Terbium	159-2	1138221	1143823	1137136	1139727	0.31	cps
Thallium	203-1	175	233	208	206	14.24	cps
Thallium	205-1	458	400	475	444	8.86	cps
Tin	118-1	417	342	458	406	14.58	cps
Titanium	47-1	100	100	125	108	13.32	cps
Uranium	238-1	317	317	242	292	14.85	cps
Vanadium	51-2	27	10	30	22	48.22	cps
Yttrium	89-1	3522066	3540297	3519781	3527381	0.32	cps
Yttrium	89-2	199327	198993	198442	198921	0.22	cps
Zinc	66-2	77	110	87	91	18.77	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB24	Instrumnet Name :	P8
Client Sample ID :	CCB24	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:03:59	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	433	525	408	456	13.48	cps
Zirconium	91-1	100	142	92	111	24.11	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-01	Instrumnet Name :	P8
Client Sample ID :	390213759.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:07:33	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2183	2158	2181	2174	0.63	cps
Antimony	121-1	4568	4134	4184	4295	5.52	cps
Arsenic	75-1	4892	5118	5169	5059	2.91	cps
Barium	135-1	53651	51041	50849	51847	3.02	cps
Barium	137-1	92263	89822	90241	90775	1.44	cps
Beryllium	9-1	220	207	177	201	11.04	cps
Bismuth	209-1	1815876	1832560	1867909	1838782	1.44	cps
Bismuth	209-2	847487	843992	844869	845450	0.22	cps
Boron	11-1	28604	29155	29214	28991	1.16	cps
Boron	10-1	5943	5851	5560	5785	3.46	cps
Cadmium	106-1	1125	900	917	981	12.79	cps
Cadmium	108-1	58	67	46	57	18.42	cps
Cadmium	111-1	1159	946	972	1026	11.34	cps
Calcium	43-1	510822	525486	516836	517715	1.42	cps
Calcium	44-1	8394388	8574641	8358871	8442633	1.37	cps
Chromium	52-2	4291	4091	4411	4264	3.79	cps
Cobalt	59-2	3524	3677	4037	3746	7.04	cps
Copper	63-2	142535	142101	141693	142110	0.30	cps
Dysprosium	156-1	1342	1508	1350	1400	6.71	cps
Dysprosium	156-2	507	443	463	471	6.87	cps
Erbium	164-1	992	1117	1092	1067	6.20	cps
Erbium	164-2	357	400	350	369	7.36	cps
Gadolinium	160-1	1233	1400	1267	1300	6.78	cps
Gadolinium	160-2	553	603	603	587	4.92	cps
Holmium	165-1	3116293	3120604	3124775	3120557	0.14	cps
Holmium	165-2	1149934	1142135	1150754	1147608	0.41	cps
Indium	115-1	2862100	2918654	2943150	2907968	1.43	cps
Indium	115-2	238065	239634	237814	238504	0.41	cps
Iron	56-2	3418397	3410774	3406163	3411778	0.18	cps
Iron	57-2	84661	84236	83036	83978	1.00	cps
Krypton	83-1	880	873	843	866	2.26	cps
Lead	207-1	8353	8386	8620	8453	1.72	cps
Lead	208-1	38496	40398	40053	39649	2.56	cps
Lead	206-1	10199	10860	10783	10614	3.41	cps
Lithium	6-1	524891	526668	524290	525283	0.24	cps
Magnesium	24-2	311538	315632	310859	312676	0.83	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-01	Instrumnet Name :	P8
Client Sample ID :	390213759.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:07:33	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	45838	45183	44795	45272	1.16	cps
Molybdenum	94-1	3067	2975	3234	3092	4.24	cps
Molybdenum	95-1	2942	2709	2917	2856	4.49	cps
Molybdenum	96-1	3451	3509	3184	3381	5.13	cps
Molybdenum	97-1	1775	2034	1734	1847	8.80	cps
Molybdenum	98-1	4618	4793	4476	4629	3.43	cps
Neodymium	150-1	2014	2334	2174	2174	7.36	cps
Neodymium	150-2	580	463	523	522	11.17	cps
Nickel	60-2	7959	7869	7906	7911	0.57	cps
Phosphorus	31-2	4368	4276	4218	4287	1.76	cps
Potassium	39-2	453919	455387	454620	454642	0.16	cps
Rhodium	103-1	2871845	2919375	2850401	2880540	1.23	cps
Rhodium	103-2	1172802	1157341	1170125	1166756	0.71	cps
Scandium	45-1	2436466	2441136	2435549	2437717	0.12	cps
Scandium	45-2	34536	35010	34960	34835	0.75	cps
Selenium	77-2	10	3	3	6	69.34	cps
Selenium	78-2	4	11	4	6	69.34	cps
Selenium	82-1	43	62	63	56	19.71	cps
Silicon	28-1	9636301	9763134	9730741	9710058	0.68	cps
Silver	109-1	3509	3534	3434	3492	1.49	cps
Silver	107-1	3667	3634	3834	3712	2.89	cps
Sodium	23-2	8638334	8645477	8636893	8640235	0.05	cps
Strontium	86-1	241035	239541	244156	241577	0.97	cps
Strontium	88-1	2050354	2110218	2127552	2096041	1.93	cps
Sulfur	34-1	937541	937536	925388	933488	0.75	cps
Terbium	159-1	3264581	3304584	3370753	3313306	1.62	cps
Terbium	159-2	1140460	1140225	1129013	1136566	0.58	cps
Thallium	203-1	250	208	242	233	9.45	cps
Thallium	205-1	500	592	467	519	12.46	cps
Tin	118-1	11280	10688	12039	11336	5.97	cps
Titanium	47-1	4626	4609	4051	4429	7.39	cps
Uranium	238-1	1383	1317	1534	1411	7.86	cps
Vanadium	51-2	690	690	647	676	3.70	cps
Yttrium	89-1	3421245	3554717	3561306	3512423	2.25	cps
Yttrium	89-2	199381	198259	200149	199263	0.48	cps
Zinc	66-2	159151	157846	158470	158489	0.41	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-01	Instrumnet Name :	P8
Client Sample ID :	390213759.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:07:33	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3976	4243	4034	4084	3.43	cps
Zirconium	91-1	900	800	933	878	7.91	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-02	Instrumnet Name :	P8
Client Sample ID :	390211037.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:11:06	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	115	98	143	118	19.17	cps
Antimony	121-1	183	425	292	300	40.35	cps
Arsenic	75-1	1790	1566	1758	1705	7.12	cps
Barium	135-1	1642	1475	1709	1609	7.47	cps
Barium	137-1	2717	2734	2700	2717	0.61	cps
Beryllium	9-1	170	147	180	166	10.33	cps
Bismuth	209-1	1847774	1850258	1864104	1854045	0.47	cps
Bismuth	209-2	855861	846760	853719	852113	0.56	cps
Boron	11-1	25849	26008	25774	25877	0.46	cps
Boron	10-1	5176	5034	4984	5065	1.96	cps
Cadmium	106-1	975	917	1033	975	5.98	cps
Cadmium	108-1	17	8	4	10	65.47	cps
Cadmium	111-1	758	757	825	780	4.97	cps
Calcium	43-1	377794	374557	379979	377443	0.72	cps
Calcium	44-1	6225511	6209616	6188814	6207981	0.30	cps
Chromium	52-2	2300	2300	2144	2248	4.02	cps
Cobalt	59-2	340	363	300	334	9.58	cps
Copper	63-2	2440	2560	2620	2540	3.61	cps
Dysprosium	156-1	75	17	58	50	60.09	cps
Dysprosium	156-2	7	10	10	9	21.63	cps
Erbium	164-1	50	17	33	33	50.00	cps
Erbium	164-2	10	17	30	19	53.91	cps
Gadolinium	160-1	25	75	33	44	60.28	cps
Gadolinium	160-2	20	7	7	11	69.25	cps
Holmium	165-1	3144733	3136208	3075793	3118911	1.21	cps
Holmium	165-2	1145180	1148835	1148946	1147654	0.19	cps
Indium	115-1	2944473	2968878	2945000	2952784	0.47	cps
Indium	115-2	240404	236453	241892	239583	1.17	cps
Iron	56-2	5194715	5120591	5077369	5130892	1.16	cps
Iron	57-2	128638	127271	127949	127953	0.53	cps
Krypton	83-1	810	900	887	866	5.61	cps
Lead	207-1	711	661	794	722	9.33	cps
Lead	208-1	3000	3045	3100	3048	1.64	cps
Lead	206-1	733	756	711	733	3.03	cps
Lithium	6-1	519937	527565	532160	526554	1.17	cps
Magnesium	24-2	365949	360418	367422	364597	1.01	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-02	Instrumnet Name :	P8
Client Sample ID :	390211037.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:11:06	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	19497	18890	19213	19200	1.58	cps
Molybdenum	94-1	1233	1100	1033	1122	9.07	cps
Molybdenum	95-1	1659	1584	1575	1606	2.86	cps
Molybdenum	96-1	1992	2109	1925	2009	4.62	cps
Molybdenum	97-1	1267	1167	1200	1211	4.20	cps
Molybdenum	98-1	2525	2325	2575	2475	5.35	cps
Neodymium	150-1	40	40	60	47	24.74	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	330	370	320	340	7.78	cps
Phosphorus	31-2	17	33	33	28	34.63	cps
Potassium	39-2	51654	50667	52056	51459	1.39	cps
Rhodium	103-1	2891211	2869260	2895832	2885434	0.49	cps
Rhodium	103-2	1159486	1152265	1155017	1155589	0.32	cps
Scandium	45-1	2415232	2411072	2423841	2416715	0.27	cps
Scandium	45-2	34262	33968	33711	33980	0.81	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	4	7	4	5	43.39	cps
Selenium	82-1	-4	-79	-50	-44	-85.78	cps
Silicon	28-1	14003532	14114637	14250176	14122782	0.87	cps
Silver	109-1	325	300	275	300	8.33	cps
Silver	107-1	258	258	342	286	16.82	cps
Sodium	23-2	504019	502957	501148	502708	0.29	cps
Strontium	86-1	40135	39500	39215	39617	1.19	cps
Strontium	88-1	322991	329314	321714	324673	1.25	cps
Sulfur	34-1	630247	626650	627618	628172	0.30	cps
Terbium	159-1	3337454	3271950	3327740	3312381	1.07	cps
Terbium	159-2	1130367	1124056	1127290	1127238	0.28	cps
Thallium	203-1	92	142	75	103	33.76	cps
Thallium	205-1	258	258	275	264	3.65	cps
Tin	118-1	442	400	633	492	25.31	cps
Titanium	47-1	558	575	592	575	2.90	cps
Uranium	238-1	8620	9529	8987	9045	5.06	cps
Vanadium	51-2	213	227	160	200	17.64	cps
Yttrium	89-1	3521110	3501766	3504760	3509212	0.30	cps
Yttrium	89-2	194813	195274	196792	195626	0.53	cps
Zinc	66-2	490	360	447	432	15.32	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-02	Instrumnet Name :	P8
Client Sample ID :	390211037.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:11:06	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	492	442	542	492	10.17	cps
Zirconium	91-1	100	150	150	133	21.65	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03	Instrumnet Name :	P8
Client Sample ID :	390211038.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:14:38	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6524	6248	6483	6418	2.32	cps
Antimony	121-1	342	308	450	367	20.20	cps
Arsenic	75-1	2440	2619	2704	2588	5.20	cps
Barium	135-1	18247	17738	17921	17969	1.44	cps
Barium	137-1	31188	32667	32416	32090	2.47	cps
Beryllium	9-1	257	200	207	221	14.01	cps
Bismuth	209-1	1722998	1764917	1779062	1755659	1.66	cps
Bismuth	209-2	821612	817448	812973	817345	0.53	cps
Boron	11-1	32864	34125	33624	33537	1.89	cps
Boron	10-1	7027	6418	6510	6652	4.93	cps
Cadmium	106-1	1125	1042	1142	1103	4.86	cps
Cadmium	108-1	154	154	150	153	1.58	cps
Cadmium	111-1	2530	2792	2807	2710	5.76	cps
Calcium	43-1	543579	544595	555810	547995	1.24	cps
Calcium	44-1	8876578	8833736	8987348	8899221	0.89	cps
Chromium	52-2	3267	3124	3314	3235	3.06	cps
Cobalt	59-2	7839	8373	8193	8135	3.34	cps
Copper	63-2	5104	4981	4944	5010	1.67	cps
Dysprosium	156-1	2342	2475	2384	2400	2.84	cps
Dysprosium	156-2	930	920	943	931	1.26	cps
Erbium	164-1	2309	2450	2275	2345	3.96	cps
Erbium	164-2	1030	870	900	933	9.12	cps
Gadolinium	160-1	2359	2317	2384	2353	1.43	cps
Gadolinium	160-2	1270	1257	1100	1209	7.82	cps
Holmium	165-1	2926577	3030193	3043138	2999969	2.13	cps
Holmium	165-2	1092205	1103186	1087447	1094279	0.74	cps
Indium	115-1	2779635	2806983	2856078	2814232	1.38	cps
Indium	115-2	227307	228905	230805	229006	0.76	cps
Iron	56-2	3585292	3570641	3554323	3570085	0.43	cps
Iron	57-2	86293	88715	87133	87380	1.41	cps
Krypton	83-1	897	937	903	912	2.35	cps
Lead	207-1	2712	2906	3034	2884	5.63	cps
Lead	208-1	12853	13659	14031	13514	4.46	cps
Lead	206-1	3617	3712	3878	3736	3.54	cps
Lithium	6-1	506357	516181	518002	513513	1.22	cps
Magnesium	24-2	451954	450359	449090	450468	0.32	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03	Instrumnet Name :	P8
Client Sample ID :	390211038.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:14:38	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1089947	1096285	1071944	1086059	1.16	cps
Molybdenum	94-1	4138	2401	1925	2821	41.28	cps
Molybdenum	95-1	1333	1433	1208	1325	8.51	cps
Molybdenum	96-1	1433	1992	1592	1672	17.21	cps
Molybdenum	97-1	875	1067	900	947	11.00	cps
Molybdenum	98-1	1950	2142	1767	1953	9.60	cps
Neodymium	150-1	3014	3127	3080	3074	1.85	cps
Neodymium	150-2	850	700	757	769	9.85	cps
Nickel	60-2	1390	1587	1513	1497	6.64	cps
Phosphorus	31-2	50	67	75	64	19.92	cps
Potassium	39-2	37735	37744	36758	37412	1.52	cps
Rhodium	103-1	2729874	2711428	2773703	2738335	1.17	cps
Rhodium	103-2	1087956	1099688	1101535	1096393	0.67	cps
Scandium	45-1	2285689	2285825	2338838	2303451	1.33	cps
Scandium	45-2	32902	32227	32064	32398	1.37	cps
Selenium	77-2	10	13	7	10	33.30	cps
Selenium	78-2	0	7	6	4	89.21	cps
Selenium	82-1	14	-72	-92	-50	-113.29	cps
Silicon	28-1	15410845	15778264	15489724	15559611	1.24	cps
Silver	109-1	292	292	300	294	1.63	cps
Silver	107-1	383	375	258	339	20.62	cps
Sodium	23-2	662777	665601	655490	661289	0.79	cps
Strontium	86-1	85895	86482	87484	86620	0.93	cps
Strontium	88-1	707089	716612	727674	717125	1.44	cps
Sulfur	34-1	836046	840289	846128	840821	0.60	cps
Terbium	159-1	3125699	3155784	3235438	3172307	1.79	cps
Terbium	159-2	1086619	1091983	1084558	1087720	0.35	cps
Thallium	203-1	200	125	192	172	23.87	cps
Thallium	205-1	308	492	400	400	22.92	cps
Tin	118-1	1275	983	958	1072	16.43	cps
Titanium	47-1	22149	25391	31220	26253	17.51	cps
Uranium	238-1	5685	5643	5351	5560	3.27	cps
Vanadium	51-2	1137	1210	1030	1126	8.04	cps
Yttrium	89-1	3363596	3399094	3400788	3387826	0.62	cps
Yttrium	89-2	189135	190514	190420	190023	0.41	cps
Zinc	66-2	1257	1307	1333	1299	3.00	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03	Instrumnet Name :	P8
Client Sample ID :	390211038.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:14:38	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3851	7048	5409	5436	29.41	cps
Zirconium	91-1	1268	1367	1987	1541	25.32	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03DUP	Instrumnet Name :	P8
Client Sample ID :	390211038.0DUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:18:11	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6709	6618	6694	6674	0.72	cps
Antimony	121-1	317	300	425	347	19.55	cps
Arsenic	75-1	2353	2524	2407	2428	3.59	cps
Barium	135-1	17571	18264	18463	18099	2.59	cps
Barium	137-1	30924	32850	31272	31682	3.24	cps
Beryllium	9-1	197	227	190	204	9.55	cps
Bismuth	209-1	1716951	1745742	1751102	1737932	1.06	cps
Bismuth	209-2	812824	832351	821176	822117	1.19	cps
Boron	11-1	31954	33047	34317	33106	3.57	cps
Boron	10-1	6560	6944	6794	6766	2.86	cps
Cadmium	106-1	1317	942	1017	1092	18.18	cps
Cadmium	108-1	133	179	154	156	14.75	cps
Cadmium	111-1	2829	2613	2708	2717	3.97	cps
Calcium	43-1	528736	533452	537004	533064	0.78	cps
Calcium	44-1	8522973	8667122	8735450	8641848	1.26	cps
Chromium	52-2	3050	2970	3471	3164	8.50	cps
Cobalt	59-2	8179	8369	8199	8249	1.27	cps
Copper	63-2	4858	5148	4978	4994	2.92	cps
Dysprosium	156-1	2209	2275	2400	2295	4.24	cps
Dysprosium	156-2	920	1037	957	971	6.14	cps
Erbium	164-1	2159	2584	2142	2295	10.91	cps
Erbium	164-2	793	877	847	839	5.03	cps
Gadolinium	160-1	2559	2525	2450	2511	2.21	cps
Gadolinium	160-2	1047	1117	1277	1147	10.28	cps
Holmium	165-1	2924913	3009640	2985047	2973200	1.47	cps
Holmium	165-2	1085770	1129585	1112563	1109306	1.99	cps
Indium	115-1	2723928	2739531	2767880	2743779	0.81	cps
Indium	115-2	227821	232460	229241	229841	1.03	cps
Iron	56-2	3548035	3573458	3618582	3580025	1.00	cps
Iron	57-2	88021	90335	89816	89391	1.36	cps
Krypton	83-1	897	937	920	918	2.19	cps
Lead	207-1	2817	2656	2928	2800	4.89	cps
Lead	208-1	12936	12909	12970	12938	0.24	cps
Lead	206-1	3401	3262	3295	3319	2.18	cps
Lithium	6-1	496715	500373	505489	500859	0.88	cps
Magnesium	24-2	451720	456782	455019	454507	0.57	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03DUP	Instrumnet Name :	P8
Client Sample ID :	390211038.0DUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:18:11	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1081689	1095725	1097140	1091518	0.78	cps
Molybdenum	94-1	2459	2142	2217	2273	7.27	cps
Molybdenum	95-1	1183	1325	1408	1306	8.71	cps
Molybdenum	96-1	1775	3067	1917	2253	31.45	cps
Molybdenum	97-1	800	825	900	842	6.18	cps
Molybdenum	98-1	1667	1984	2225	1959	14.30	cps
Neodymium	150-1	2840	3160	2840	2947	6.27	cps
Neodymium	150-2	813	767	747	776	4.41	cps
Nickel	60-2	1467	1633	1557	1552	5.37	cps
Phosphorus	31-2	42	92	33	56	56.79	cps
Potassium	39-2	37610	37242	36055	36969	2.20	cps
Rhodium	103-1	2623129	2695174	2687203	2668502	1.48	cps
Rhodium	103-2	1096019	1104792	1114518	1105110	0.84	cps
Scandium	45-1	2179970	2242967	2227769	2216902	1.48	cps
Scandium	45-2	32291	32231	32578	32366	0.57	cps
Selenium	77-2	3	7	7	6	34.70	cps
Selenium	78-2	4	15	7	9	65.50	cps
Selenium	82-1	-37	-68	-82	-62	-36.36	cps
Silicon	28-1	15047462	15064391	16567719	15559857	5.61	cps
Silver	109-1	167	233	292	231	27.13	cps
Silver	107-1	308	367	258	311	17.43	cps
Sodium	23-2	656363	668456	666706	663842	0.98	cps
Strontium	86-1	81015	83555	83136	82569	1.65	cps
Strontium	88-1	692285	696492	699436	696071	0.52	cps
Sulfur	34-1	826201	836306	841940	834815	0.96	cps
Terbium	159-1	3112910	3163121	3152164	3142732	0.84	cps
Terbium	159-2	1082385	1108714	1096337	1095812	1.20	cps
Thallium	203-1	192	150	175	172	12.18	cps
Thallium	205-1	350	342	383	358	6.15	cps
Tin	118-1	800	900	1017	906	11.98	cps
Titanium	47-1	18405	22620	18922	19982	11.50	cps
Uranium	238-1	5493	5527	5543	5521	0.46	cps
Vanadium	51-2	1067	1173	1177	1139	5.49	cps
Yttrium	89-1	3235936	3373652	3277865	3295818	2.14	cps
Yttrium	89-2	189505	190372	189233	189703	0.31	cps
Zinc	66-2	1387	1270	1293	1317	4.69	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03DUP	Instrumnet Name :	P8
Client Sample ID :	390211038.0DUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:18:11	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3684	4109	4777	4190	13.15	cps
Zirconium	91-1	1468	1510	3149	2042	46.93	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03LX5	Instrumnet Name :	P8
Client Sample ID :	390211038.0L	Dilution Factor :	5
Date & Time Acquired ::	2019-03-04 15:21:43	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1348	1383	1313	1348	2.60	cps
Antimony	121-1	142	167	192	167	15.00	cps
Arsenic	75-1	1303	1274	1460	1346	7.46	cps
Barium	135-1	3426	4134	3442	3667	11.03	cps
Barium	137-1	6268	6218	6394	6293	1.43	cps
Beryllium	9-1	117	147	120	128	12.87	cps
Bismuth	209-1	1750105	1827953	1786490	1788182	2.18	cps
Bismuth	209-2	863399	842261	856488	854049	1.26	cps
Boron	11-1	8461	8194	8653	8436	2.73	cps
Boron	10-1	1642	1800	1392	1611	12.78	cps
Cadmium	106-1	958	1092	1058	1036	6.70	cps
Cadmium	108-1	46	38	25	36	29.03	cps
Cadmium	111-1	1076	1217	1153	1149	6.14	cps
Calcium	43-1	105754	110359	108380	108164	2.14	cps
Calcium	44-1	1799491	1854820	1828562	1827624	1.51	cps
Chromium	52-2	1970	1974	2134	2026	4.61	cps
Cobalt	59-2	1833	1924	1813	1857	3.16	cps
Copper	63-2	1447	1450	1450	1449	0.13	cps
Dysprosium	156-1	500	492	392	461	13.07	cps
Dysprosium	156-2	177	157	227	187	19.32	cps
Erbium	164-1	517	508	734	586	21.81	cps
Erbium	164-2	243	140	147	177	32.74	cps
Gadolinium	160-1	592	492	642	575	13.28	cps
Gadolinium	160-2	207	270	257	244	13.66	cps
Holmium	165-1	2955007	3086674	2986386	3009356	2.29	cps
Holmium	165-2	1147440	1123718	1149210	1140123	1.25	cps
Indium	115-1	2770173	2863255	2792868	2808765	1.73	cps
Indium	115-2	239692	235433	238283	237803	0.91	cps
Iron	56-2	736234	730389	752850	739824	1.58	cps
Iron	57-2	17851	18518	18619	18329	2.28	cps
Krypton	83-1	917	923	1097	979	10.43	cps
Lead	207-1	900	900	711	837	13.03	cps
Lead	208-1	3711	3867	3812	3797	2.08	cps
Lead	206-1	872	1050	906	943	10.03	cps
Lithium	6-1	496662	521498	504417	507526	2.50	cps
Magnesium	24-2	94833	93465	94413	94237	0.74	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03LX5	Instrumnet Name :	P8
Client Sample ID :	390211038.0L	Dilution Factor :	5
Date & Time Acquired ::	2019-03-04 15:21:43	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	224973	223689	222196	223619	0.62	cps
Molybdenum	94-1	408	775	658	614	30.52	cps
Molybdenum	95-1	292	292	375	319	15.06	cps
Molybdenum	96-1	433	400	433	422	4.56	cps
Molybdenum	97-1	258	175	275	236	22.69	cps
Molybdenum	98-1	425	458	350	411	13.50	cps
Neodymium	150-1	647	660	740	682	7.40	cps
Neodymium	150-2	160	167	177	168	5.00	cps
Nickel	60-2	427	467	440	444	4.58	cps
Phosphorus	31-2	0	0	25	8	173.21	cps
Potassium	39-2	13257	12523	12848	12876	2.86	cps
Rhodium	103-1	2771676	2850866	2792241	2804928	1.46	cps
Rhodium	103-2	1161084	1155520	1159390	1158664	0.25	cps
Scandium	45-1	2286284	2349289	2286258	2307277	1.58	cps
Scandium	45-2	34185	33754	34145	34028	0.70	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	4	4	7	5	43.39	cps
Selenium	82-1	-7	-55	-214	-92	-117.66	cps
Silicon	28-1	3463938	3691171	3286336	3480481	5.83	cps
Silver	109-1	250	258	242	250	3.33	cps
Silver	107-1	325	342	158	275	36.87	cps
Sodium	23-2	146051	145799	149199	147016	1.29	cps
Strontium	86-1	18346	17896	18405	18216	1.53	cps
Strontium	88-1	139491	146185	140343	142006	2.57	cps
Sulfur	34-1	612946	615030	619191	615722	0.52	cps
Terbium	159-1	3114999	3264581	3157498	3179026	2.42	cps
Terbium	159-2	1122918	1114585	1141725	1126409	1.23	cps
Thallium	203-1	92	108	158	119	29.05	cps
Thallium	205-1	292	192	208	231	23.24	cps
Tin	118-1	442	550	425	472	14.37	cps
Titanium	47-1	6380	3784	4413	4859	27.88	cps
Uranium	238-1	1142	1233	1459	1278	12.75	cps
Vanadium	51-2	253	197	300	250	20.70	cps
Yttrium	89-1	3294600	3408628	3349915	3351048	1.70	cps
Yttrium	89-2	195346	193981	196281	195202	0.59	cps
Zinc	66-2	340	317	327	328	3.57	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03LX5	Instrumnet Name :	P8
Client Sample ID :	390211038.0L	Dilution Factor :	5
Date & Time Acquired ::	2019-03-04 15:21:43	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2228	1175	1376	1593	35.09	cps
Zirconium	91-1	208	275	283	256	16.09	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : K1713-03MS Instrumnet Name : P8
 Client Sample ID : 390211038.0MS Dilution Factor : 1
 Date & Time Acquired :: 2019-03-04 15:25:16 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23255	23719	24960	23978	3.68	cps
Antimony	121-1	3756019	3997397	3825836	3859751	3.22	cps
Arsenic	75-1	1333871	1384299	1356625	1358265	1.86	cps
Barium	135-1	210423	220133	214024	214860	2.28	cps
Barium	137-1	364319	387554	373951	375275	3.11	cps
Beryllium	9-1	197499	204857	203635	201997	1.95	cps
Bismuth	209-1	1678585	1819960	1740904	1746483	4.06	cps
Bismuth	209-2	835607	840721	846552	840960	0.65	cps
Boron	11-1	236785	248211	248801	244599	2.77	cps
Boron	10-1	46343	48977	50096	48472	3.98	cps
Cadmium	106-1	21702	22495	21685	21960	2.11	cps
Cadmium	108-1	15121	15926	15309	15452	2.73	cps
Cadmium	111-1	223222	233414	229470	228702	2.25	cps
Calcium	43-1	524410	546749	538639	536599	2.11	cps
Calcium	44-1	8511507	8880320	8795817	8729215	2.21	cps
Chromium	52-2	382750	387096	391583	387143	1.14	cps
Cobalt	59-2	382618	387041	389574	386411	0.91	cps
Copper	63-2	464060	473320	466918	468099	1.01	cps
Dysprosium	156-1	180579	189489	185880	185316	2.42	cps
Dysprosium	156-2	9290	9213	9514	9339	1.67	cps
Erbium	164-1	2050	2450	2309	2270	8.94	cps
Erbium	164-2	910	883	820	871	5.31	cps
Gadolinium	160-1	2175	2259	2134	2189	2.91	cps
Gadolinium	160-2	1133	1133	1157	1141	1.18	cps
Holmium	165-1	2926782	3074032	2982107	2994307	2.48	cps
Holmium	165-2	1134469	1145010	1140980	1140153	0.47	cps
Indium	115-1	2661493	2810619	2728947	2733686	2.73	cps
Indium	115-2	226245	228662	226429	227112	0.59	cps
Iron	56-2	5500129	5546657	5521984	5522923	0.42	cps
Iron	57-2	134364	136815	134655	135278	0.99	cps
Krypton	83-1	880	920	907	902	2.26	cps
Lead	207-1	2143177	2251135	2184138	2192817	2.49	cps
Lead	208-1	9521423	10062883	9720060	9768122	2.80	cps
Lead	206-1	2349604	2504967	2417168	2423913	3.21	cps
Lithium	6-1	487349	512557	499957	499954	2.52	cps
Magnesium	24-2	518518	525211	528522	524084	0.97	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MS	Instrumnet Name :	P8
Client Sample ID :	390211038.0MS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:25:16	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1122434	1130012	1137251	1129899	0.66	cps
Molybdenum	94-1	491280	517481	504594	504452	2.60	cps
Molybdenum	95-1	853810	897971	879332	877038	2.53	cps
Molybdenum	96-1	912484	966510	947855	942283	2.91	cps
Molybdenum	97-1	534444	552036	548754	545078	1.72	cps
Molybdenum	98-1	1395874	1455933	1418815	1423541	2.13	cps
Neodymium	150-1	3060	3307	3067	3145	4.47	cps
Neodymium	150-2	793	713	770	759	5.42	cps
Nickel	60-2	272096	276888	272825	273937	0.94	cps
Phosphorus	31-2	4651	4534	5118	4768	6.48	cps
Potassium	39-2	281084	281912	285075	282690	0.75	cps
Rhodium	103-1	2652411	2729439	2694564	2692138	1.43	cps
Rhodium	103-2	1119355	1118567	1135336	1124419	0.84	cps
Scandium	45-1	2203233	2315210	2258325	2258923	2.48	cps
Scandium	45-2	32321	32985	32945	32751	1.14	cps
Selenium	77-2	2164	1934	1954	2017	6.32	cps
Selenium	78-2	7157	7083	6965	7069	1.37	cps
Selenium	82-1	165771	171762	169030	168854	1.78	cps
Silicon	28-1	17173572	18005637	18307995	17829068	3.29	cps
Silver	109-1	373026	389947	386072	383015	2.31	cps
Silver	107-1	400265	410826	404119	405070	1.32	cps
Sodium	23-2	923708	934361	937627	931898	0.78	cps
Strontium	86-1	361377	371688	365948	366338	1.41	cps
Strontium	88-1	3120494	3283755	3175796	3193348	2.60	cps
Sulfur	34-1	805884	824410	815010	815101	1.14	cps
Terbium	159-1	3075349	3216919	3106474	3132914	2.37	cps
Terbium	159-2	1104237	1117976	1130658	1117624	1.18	cps
Thallium	203-1	5841255	6156021	5927674	5974983	2.72	cps
Thallium	205-1	13806256	14457595	14001136	14088329	2.37	cps
Tin	118-1	2196293	2332637	2270111	2266347	3.01	cps
Titanium	47-1	161909	165485	163093	163496	1.11	cps
Uranium	238-1	5018	5368	5543	5310	5.04	cps
Vanadium	51-2	218639	219471	220427	219512	0.41	cps
Yttrium	89-1	3236793	3397813	3331752	3322120	2.44	cps
Yttrium	89-2	191937	194488	195088	193838	0.86	cps
Zinc	66-2	35312	35108	35980	35467	1.29	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MS	Instrumnet Name :	P8
Client Sample ID :	390211038.0MS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:25:16	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7639	7069	7311	7340	3.90	cps
Zirconium	91-1	2059	2854	2117	2343	18.93	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MSD	Instrumnet Name :	P8
Client Sample ID :	390211038.0MSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:28:45	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23335	23478	23082	23298	0.86	cps
Antimony	121-1	3845070	3935362	3816540	3865658	1.60	cps
Arsenic	75-1	1336239	1383273	1354697	1358070	1.74	cps
Barium	135-1	206640	220291	210775	212569	3.29	cps
Barium	137-1	370378	386314	369366	375353	2.53	cps
Beryllium	9-1	198549	201593	198046	199396	0.96	cps
Bismuth	209-1	1724534	1807604	1779252	1770463	2.39	cps
Bismuth	209-2	842564	872528	846784	853959	1.90	cps
Boron	11-1	236806	251350	248460	245539	3.14	cps
Boron	10-1	47155	48626	49478	48419	2.43	cps
Cadmium	106-1	21067	22436	20892	21465	3.94	cps
Cadmium	108-1	15221	15338	15380	15313	0.54	cps
Cadmium	111-1	225678	232296	226377	228117	1.59	cps
Calcium	43-1	543505	551795	537183	544161	1.35	cps
Calcium	44-1	8724587	9005926	8737274	8822596	1.80	cps
Chromium	52-2	378441	382676	390731	383950	1.63	cps
Cobalt	59-2	378875	384920	387368	383721	1.14	cps
Copper	63-2	457921	461455	470069	463148	1.35	cps
Dysprosium	156-1	176996	190302	179477	182258	3.88	cps
Dysprosium	156-2	9130	9470	9213	9271	1.91	cps
Erbium	164-1	2234	2267	2359	2286	2.83	cps
Erbium	164-2	753	870	890	838	8.81	cps
Gadolinium	160-1	2384	2475	2334	2398	3.00	cps
Gadolinium	160-2	1113	1193	1117	1141	3.97	cps
Holmium	165-1	2985273	3068402	3002822	3018832	1.45	cps
Holmium	165-2	1131219	1181758	1133864	1148947	2.48	cps
Indium	115-1	2705664	2791817	2726483	2741321	1.64	cps
Indium	115-2	225979	235297	224527	228601	2.56	cps
Iron	56-2	5477621	5493900	5518251	5496591	0.37	cps
Iron	57-2	134559	136529	136697	135928	0.87	cps
Krypton	83-1	950	850	880	893	5.74	cps
Lead	207-1	2156497	2257745	2225027	2213090	2.33	cps
Lead	208-1	9608031	10029482	9841013	9826175	2.15	cps
Lead	206-1	2404962	2492362	2404033	2433786	2.08	cps
Lithium	6-1	493908	511091	503776	502925	1.71	cps
Magnesium	24-2	523209	527249	529814	526757	0.63	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MSD	Instrumnet Name :	P8
Client Sample ID :	390211038.0MSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:28:45	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1126895	1138814	1146560	1137423	0.87	cps
Molybdenum	94-1	498566	511645	507371	505861	1.32	cps
Molybdenum	95-1	866119	894521	870342	876994	1.75	cps
Molybdenum	96-1	928242	963432	936075	942583	1.96	cps
Molybdenum	97-1	534584	557685	544231	545500	2.13	cps
Molybdenum	98-1	1384926	1438110	1381495	1401511	2.26	cps
Neodymium	150-1	3007	2967	3087	3020	2.02	cps
Neodymium	150-2	773	733	807	771	4.76	cps
Nickel	60-2	266279	271920	275209	271136	1.67	cps
Phosphorus	31-2	4818	4859	4609	4762	2.81	cps
Potassium	39-2	277831	282449	289612	283297	2.10	cps
Rhodium	103-1	2676470	2757935	2725883	2720096	1.51	cps
Rhodium	103-2	1120840	1152595	1119682	1131039	1.65	cps
Scandium	45-1	2196644	2307416	2207928	2237329	2.72	cps
Scandium	45-2	31739	33761	32458	32653	3.14	cps
Selenium	77-2	2040	2060	2007	2036	1.32	cps
Selenium	78-2	7033	7007	7026	7022	0.19	cps
Selenium	82-1	164717	172126	167876	168240	2.21	cps
Silicon	28-1	17025772	19013805	17273530	17771036	6.10	cps
Silver	109-1	381359	388564	378332	382752	1.37	cps
Silver	107-1	395827	412182	396156	401388	2.33	cps
Sodium	23-2	920562	934301	938199	931021	1.00	cps
Strontium	86-1	358379	374627	367153	366720	2.22	cps
Strontium	88-1	3104147	3209112	3167993	3160417	1.67	cps
Sulfur	34-1	794507	812654	785994	797718	1.71	cps
Terbium	159-1	3118180	3277690	3191247	3195706	2.50	cps
Terbium	159-2	1117124	1160964	1117040	1131709	2.24	cps
Thallium	203-1	5958619	6177853	5966013	6034162	2.06	cps
Thallium	205-1	14007159	14577809	14091825	14225597	2.16	cps
Tin	118-1	2247829	2323330	2245558	2272239	1.95	cps
Titanium	47-1	159590	169187	162117	163631	3.04	cps
Uranium	238-1	5418	5585	5043	5349	5.19	cps
Vanadium	51-2	215255	218479	220883	218206	1.29	cps
Yttrium	89-1	3277156	3397400	3353747	3342767	1.82	cps
Yttrium	89-2	189997	197579	192041	193206	2.03	cps
Zinc	66-2	35495	35750	36348	35864	1.22	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03MSD	Instrumnet Name :	P8
Client Sample ID :	390211038.0MSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:28:45	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5868	6627	8418	6971	18.78	cps
Zirconium	91-1	2009	1834	2234	2026	9.92	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03A	Instrumnet Name :	P8
Client Sample ID :	390211038.0A	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:32:14	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23668	23934	23583	23728	0.77	cps
Antimony	121-1	3861612	4055131	3907610	3941451	2.57	cps
Arsenic	75-1	1346777	1407433	1369953	1374721	2.23	cps
Barium	135-1	212238	223805	219509	218517	2.68	cps
Barium	137-1	369209	391780	379430	380139	2.97	cps
Beryllium	9-1	197617	207928	201037	202194	2.60	cps
Bismuth	209-1	1776946	1865996	1787321	1810088	2.69	cps
Bismuth	209-2	872581	870089	876030	872900	0.34	cps
Boron	11-1	239638	258065	251415	249706	3.74	cps
Boron	10-1	47965	51878	50565	50136	3.97	cps
Cadmium	106-1	21368	22177	22303	21949	2.31	cps
Cadmium	108-1	14913	16235	15447	15531	4.28	cps
Cadmium	111-1	228231	236465	231166	231954	1.80	cps
Calcium	43-1	522609	559853	545613	542691	3.46	cps
Calcium	44-1	8558151	9117342	8886669	8854054	3.17	cps
Chromium	52-2	385351	389618	389844	388271	0.65	cps
Cobalt	59-2	384368	392448	387457	388091	1.05	cps
Copper	63-2	466316	477538	470165	471340	1.21	cps
Dysprosium	156-1	178962	185365	180946	181757	1.80	cps
Dysprosium	156-2	9223	9547	9133	9301	2.34	cps
Erbium	164-1	2159	2317	2392	2289	5.20	cps
Erbium	164-2	830	823	817	823	0.81	cps
Gadolinium	160-1	2167	2459	2375	2334	6.44	cps
Gadolinium	160-2	1100	1157	1250	1169	6.48	cps
Holmium	165-1	3019366	3134879	3083195	3079146	1.88	cps
Holmium	165-2	1171495	1182900	1175954	1176783	0.49	cps
Indium	115-1	2701268	2817886	2812579	2777244	2.37	cps
Indium	115-2	229824	233392	233695	232304	0.93	cps
Iron	56-2	5561123	5593330	5511612	5555355	0.74	cps
Iron	57-2	137853	140181	137499	138511	1.05	cps
Krypton	83-1	943	953	887	928	3.88	cps
Lead	207-1	2189695	2253562	2210752	2218003	1.47	cps
Lead	208-1	9811192	10113668	9996459	9973773	1.53	cps
Lead	206-1	2468475	2494026	2482127	2481543	0.52	cps
Lithium	6-1	493235	517716	513279	508077	2.57	cps
Magnesium	24-2	524799	535142	529731	529890	0.98	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03A	Instrumnet Name :	P8
Client Sample ID :	390211038.0A	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:32:14	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1138781	1158138	1145727	1147549	0.85	cps
Molybdenum	94-1	496345	517981	508408	507578	2.14	cps
Molybdenum	95-1	865104	901954	889252	885437	2.11	cps
Molybdenum	96-1	937484	971047	958536	955689	1.77	cps
Molybdenum	97-1	536235	560270	552332	549612	2.23	cps
Molybdenum	98-1	1416250	1468060	1430878	1438396	1.86	cps
Neodymium	150-1	3054	3040	2914	3003	2.57	cps
Neodymium	150-2	717	830	750	766	7.61	cps
Nickel	60-2	274548	277222	272481	274750	0.87	cps
Phosphorus	31-2	4826	4676	4543	4682	3.03	cps
Potassium	39-2	283401	284753	281883	283346	0.51	cps
Rhodium	103-1	2642619	2784042	2698555	2708406	2.63	cps
Rhodium	103-2	1140234	1153700	1144893	1146276	0.60	cps
Scandium	45-1	2215688	2314776	2322587	2284351	2.61	cps
Scandium	45-2	32795	33801	33026	33207	1.59	cps
Selenium	77-2	2064	2127	1997	2062	3.15	cps
Selenium	78-2	7015	7460	6976	7150	3.76	cps
Selenium	82-1	165693	173178	169147	169339	2.21	cps
Silicon	28-1	18519681	18221760	18310760	18350733	0.83	cps
Silver	109-1	382419	397075	389975	389823	1.88	cps
Silver	107-1	403512	417509	408158	409726	1.74	cps
Sodium	23-2	935969	945680	945712	942454	0.60	cps
Strontium	86-1	359784	381504	366770	369353	3.00	cps
Strontium	88-1	3092837	3290175	3194030	3192347	3.09	cps
Sulfur	34-1	779745	794755	782488	785662	1.02	cps
Terbium	159-1	3112878	3253153	3202246	3189426	2.23	cps
Terbium	159-2	1143053	1166082	1154686	1154607	1.00	cps
Thallium	203-1	5994980	6176696	6127806	6099827	1.54	cps
Thallium	205-1	14169586	14507278	14483245	14386703	1.31	cps
Tin	118-1	2241805	2368809	2297918	2302844	2.76	cps
Titanium	47-1	161037	169685	167253	165991	2.69	cps
Uranium	238-1	5577	5426	5310	5438	2.46	cps
Vanadium	51-2	219620	223596	220849	221355	0.92	cps
Yttrium	89-1	3288010	3461442	3341700	3363717	2.64	cps
Yttrium	89-2	196229	198861	195076	196722	0.99	cps
Zinc	66-2	36241	36341	36037	36206	0.43	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-03A	Instrumnet Name :	P8
Client Sample ID :	390211038.0A	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:32:14	DataFile Name :	031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6244	6844	6418	6502	4.75	cps
Zirconium	91-1	2075	2092	1967	2045	3.31	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-04	Instrumnet Name :	P8
Client Sample ID :	390211039.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:35:43	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11881	11483	11588	11650	1.77	cps
Antimony	121-1	3867	3684	3726	3759	2.56	cps
Arsenic	75-1	3708	4099	4083	3963	5.58	cps
Barium	135-1	97196	99708	99565	98823	1.43	cps
Barium	137-1	170691	171315	170672	170893	0.21	cps
Beryllium	9-1	347	430	353	377	12.29	cps
Bismuth	209-1	1923014	1967739	1940766	1943840	1.16	cps
Bismuth	209-2	903161	901914	897386	900820	0.34	cps
Boron	11-1	116178	119848	118790	118272	1.60	cps
Boron	10-1	22610	23729	23645	23328	2.67	cps
Cadmium	106-1	1067	1100	975	1047	6.18	cps
Cadmium	108-1	63	83	75	74	14.25	cps
Cadmium	111-1	1195	1237	1093	1175	6.31	cps
Calcium	43-1	994691	1032952	1016651	1014765	1.89	cps
Calcium	44-1	16314259	16797213	16651366	16587613	1.49	cps
Chromium	52-2	4324	4527	4431	4427	2.30	cps
Cobalt	59-2	77812	77826	77381	77673	0.33	cps
Copper	63-2	65892	64764	64191	64949	1.33	cps
Dysprosium	156-1	6268	6385	6127	6260	2.07	cps
Dysprosium	156-2	2267	2397	2564	2409	6.17	cps
Erbium	164-1	5418	5668	5326	5471	3.23	cps
Erbium	164-2	1844	1934	1850	1876	2.67	cps
Gadolinium	160-1	5852	5543	5727	5707	2.72	cps
Gadolinium	160-2	2910	2907	2900	2906	0.18	cps
Holmium	165-1	3267908	3276801	3242806	3262505	0.54	cps
Holmium	165-2	1218616	1217637	1204778	1213677	0.64	cps
Indium	115-1	2970839	3017790	3059051	3015893	1.46	cps
Indium	115-2	248075	244514	247552	246714	0.78	cps
Iron	56-2	58482371	57781042	57810022	58024478	0.68	cps
Iron	57-2	1505759	1484678	1469553	1486663	1.22	cps
Krypton	83-1	873	883	887	881	0.79	cps
Lead	207-1	11394	11533	12095	11674	3.18	cps
Lead	208-1	54308	55427	55303	55013	1.12	cps
Lead	206-1	14308	14470	14625	14468	1.10	cps
Lithium	6-1	523151	548720	535537	535803	2.39	cps
Magnesium	24-2	757316	761229	751100	756549	0.68	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-04	Instrumnet Name :	P8
Client Sample ID :	390211039.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:35:43	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	551656	547834	540625	546705	1.02	cps
Molybdenum	94-1	2925	3351	3067	3114	6.95	cps
Molybdenum	95-1	2125	2317	2259	2234	4.40	cps
Molybdenum	96-1	3359	3167	3009	3178	5.52	cps
Molybdenum	97-1	1450	1559	1400	1470	5.51	cps
Molybdenum	98-1	3276	3226	3292	3264	1.06	cps
Neodymium	150-1	7989	8150	8129	8089	1.08	cps
Neodymium	150-2	1950	1894	1833	1892	3.08	cps
Nickel	60-2	7789	7869	7772	7810	0.66	cps
Phosphorus	31-2	117	58	75	83	36.05	cps
Potassium	39-2	396828	397467	389701	394666	1.09	cps
Rhodium	103-1	2865786	2967288	2947695	2926923	1.84	cps
Rhodium	103-2	1206709	1202860	1204386	1204652	0.16	cps
Scandium	45-1	2394406	2456469	2432578	2427817	1.29	cps
Scandium	45-2	34676	34790	33837	34435	1.51	cps
Selenium	77-2	17	13	10	13	25.01	cps
Selenium	78-2	13	15	24	17	34.45	cps
Selenium	82-1	92	56	96	81	26.99	cps
Silicon	28-1	43848177	44833039	44820752	44500656	1.27	cps
Silver	109-1	400	433	450	428	5.95	cps
Silver	107-1	425	658	450	511	25.07	cps
Sodium	23-2	548794	547328	543614	546579	0.49	cps
Strontium	86-1	363057	366781	364446	364761	0.52	cps
Strontium	88-1	3109006	3154244	3191877	3151709	1.32	cps
Sulfur	34-1	595911	602445	601221	599859	0.58	cps
Terbium	159-1	3378068	3470467	3441538	3430025	1.38	cps
Terbium	159-2	1208408	1193632	1200553	1200864	0.62	cps
Thallium	203-1	475	475	492	481	2.00	cps
Thallium	205-1	942	1150	1150	1081	11.13	cps
Tin	118-1	8953	8578	9120	8884	3.12	cps
Titanium	47-1	27244	28363	26284	27297	3.81	cps
Uranium	238-1	23548	24275	24801	24208	2.60	cps
Vanadium	51-2	2027	1700	2010	1912	9.62	cps
Yttrium	89-1	3702913	3748408	3754643	3735322	0.76	cps
Yttrium	89-2	213782	210652	209623	211352	1.02	cps
Zinc	66-2	13624	12926	13500	13350	2.79	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-04	Instrumnet Name :	P8
Client Sample ID :	390211039.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:35:43	DataFile Name :	032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5110	5310	5059	5160	2.56	cps
Zirconium	91-1	933	1083	1275	1097	15.61	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-05	Instrumnet Name :	P8
Client Sample ID :	390211040.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:39:13	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4367	4204	4202	4258	2.22	cps
Antimony	121-1	1167	1017	1075	1086	6.96	cps
Arsenic	75-1	1434	1571	1583	1530	5.42	cps
Barium	135-1	32073	32842	31397	32104	2.25	cps
Barium	137-1	55016	57200	54982	55733	2.28	cps
Beryllium	9-1	193	207	153	184	15.05	cps
Bismuth	209-1	1844528	1880696	1804919	1843381	2.06	cps
Bismuth	209-2	859213	851127	846966	852435	0.73	cps
Boron	11-1	86931	89245	88314	88163	1.32	cps
Boron	10-1	17695	17653	17194	17514	1.59	cps
Cadmium	106-1	783	850	850	828	4.65	cps
Cadmium	108-1	33	25	8	22	57.29	cps
Cadmium	111-1	654	732	714	700	5.81	cps
Calcium	43-1	826606	843773	835710	835363	1.03	cps
Calcium	44-1	13512195	14041240	13666536	13739990	1.98	cps
Chromium	52-2	2547	2690	2687	2641	3.10	cps
Cobalt	59-2	65105	65165	65841	65370	0.63	cps
Copper	63-2	54199	54423	53683	54102	0.70	cps
Dysprosium	156-1	1350	1383	1534	1422	6.87	cps
Dysprosium	156-2	627	563	653	614	7.52	cps
Erbium	164-1	1525	1442	1392	1453	4.64	cps
Erbium	164-2	533	487	500	507	4.74	cps
Gadolinium	160-1	1600	1800	1650	1684	6.18	cps
Gadolinium	160-2	743	793	660	732	9.20	cps
Holmium	165-1	3082363	3180457	3073318	3112046	1.91	cps
Holmium	165-2	1159258	1144359	1157717	1153778	0.71	cps
Indium	115-1	2866755	2955741	2868318	2896938	1.76	cps
Indium	115-2	238665	238338	240235	239079	0.42	cps
Iron	56-2	600920	607106	601850	603292	0.55	cps
Iron	57-2	15142	15515	15665	15440	1.74	cps
Krypton	83-1	933	803	887	874	7.53	cps
Lead	207-1	1606	1500	1472	1526	4.61	cps
Lead	208-1	7484	6973	6518	6992	6.92	cps
Lead	206-1	1911	1828	1734	1824	4.88	cps
Lithium	6-1	501704	505580	490792	499359	1.54	cps
Magnesium	24-2	990450	983616	984382	986150	0.38	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-05	Instrumnet Name :	P8
Client Sample ID :	390211040.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:39:13	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	9377	9110	9116	9201	1.65	cps
Molybdenum	94-1	683	750	725	720	4.68	cps
Molybdenum	95-1	533	600	558	564	5.97	cps
Molybdenum	96-1	817	875	758	817	7.14	cps
Molybdenum	97-1	492	392	433	439	11.45	cps
Molybdenum	98-1	908	942	908	920	2.09	cps
Neodymium	150-1	2120	2107	2080	2102	0.97	cps
Neodymium	150-2	447	550	527	508	10.67	cps
Nickel	60-2	33374	33541	33049	33321	0.75	cps
Phosphorus	31-2	75	33	25	44	60.28	cps
Potassium	39-2	99450	99283	100918	99884	0.90	cps
Rhodium	103-1	2762133	2855033	2809384	2808850	1.65	cps
Rhodium	103-2	1158938	1161569	1162534	1161014	0.16	cps
Scandium	45-1	2308086	2389065	2356293	2351148	1.73	cps
Scandium	45-2	33634	34676	33423	33911	1.98	cps
Selenium	77-2	0	7	7	4	86.60	cps
Selenium	78-2	6	9	4	6	45.85	cps
Selenium	82-1	-36	130	-42	17	563.72	cps
Silicon	28-1	43670743	45137132	43306320	44038065	2.20	cps
Silver	109-1	367	308	292	322	12.22	cps
Silver	107-1	275	375	292	314	17.07	cps
Sodium	23-2	1966352	1947454	1966383	1960063	0.56	cps
Strontium	86-1	102694	104876	100485	102685	2.14	cps
Strontium	88-1	874239	889109	863699	875683	1.46	cps
Sulfur	34-1	1231110	1232824	1211539	1225158	0.97	cps
Terbium	159-1	3252767	3287019	3289707	3276498	0.63	cps
Terbium	159-2	1152586	1127408	1140421	1140138	1.10	cps
Thallium	203-1	283	200	242	242	17.24	cps
Thallium	205-1	492	608	492	531	12.70	cps
Tin	118-1	583	575	758	639	16.20	cps
Titanium	47-1	7394	7411	7010	7272	3.12	cps
Uranium	238-1	3592	3601	3351	3515	4.04	cps
Vanadium	51-2	490	520	583	531	8.97	cps
Yttrium	89-1	3386654	3486292	3373534	3415493	1.81	cps
Yttrium	89-2	198417	196537	196698	197217	0.53	cps
Zinc	66-2	1093	867	1200	1053	16.16	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	K1713-05	Instrumnet Name :	P8
Client Sample ID :	390211040.0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:39:13	DataFile Name :	033SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1250	1234	1117	1200	6.05	cps
Zirconium	91-1	417	192	325	311	36.37	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV25	Instrumnet Name :	P8
Client Sample ID :	CCV25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:48:02	DataFile Name :	034CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	491160	490242	491723	491042	0.15	cps
Antimony	121-1	2518413	2564663	2475339	2519472	1.77	cps
Arsenic	75-1	859612	882289	845664	862522	2.14	cps
Barium	135-1	2460520	2548889	2443773	2484394	2.27	cps
Barium	137-1	4272114	4454036	4167040	4297730	3.38	cps
Beryllium	9-1	516964	532593	518709	522755	1.64	cps
Bismuth	209-1	1797253	1872211	1811853	1827106	2.17	cps
Bismuth	209-2	863292	851730	857289	857437	0.67	cps
Boron	11-1	345176	361760	349445	352127	2.45	cps
Boron	10-1	68850	70750	69719	69773	1.36	cps
Cadmium	106-1	61382	63743	61926	62351	1.98	cps
Cadmium	108-1	41167	42655	40699	41507	2.46	cps
Cadmium	111-1	560648	586558	562637	569947	2.53	cps
Calcium	43-1	3740593	3845994	3705702	3764096	1.94	cps
Calcium	44-1	59468184	62049112	59462376	60326557	2.47	cps
Chromium	52-2	482870	487128	487668	485889	0.54	cps
Cobalt	59-2	926829	935572	937326	933242	0.60	cps
Copper	63-2	1455345	1475509	1479667	1470174	0.88	cps
Dysprosium	156-1	133	50	67	83	52.92	cps
Dysprosium	156-2	7	13	13	11	34.61	cps
Erbium	164-1	25	25	25	25	0.00	cps
Erbium	164-2	7	7	10	8	24.71	cps
Gadolinium	160-1	50	33	25	36	35.25	cps
Gadolinium	160-2	10	17	7	11	45.82	cps
Holmium	165-1	3145544	3256043	3158932	3186840	1.89	cps
Holmium	165-2	1214088	1196491	1206853	1205811	0.73	cps
Indium	115-1	2802156	2917388	2854076	2857873	2.02	cps
Indium	115-2	236371	236310	239159	237280	0.69	cps
Iron	56-2	81961024	82565621	82560352	82362332	0.42	cps
Iron	57-2	2122062	2117042	2122635	2120579	0.15	cps
Krypton	83-1	847	947	950	914	6.42	cps
Lead	207-1	1035181	1072523	1033096	1046933	2.12	cps
Lead	208-1	4702589	4909130	4711582	4774433	2.45	cps
Lead	206-1	1145229	1189865	1135037	1156710	2.52	cps
Lithium	6-1	532919	545683	535133	537911	1.27	cps
Magnesium	24-2	9953362	9973491	10019378	9982077	0.34	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV25	Instrumnet Name :	P8
Client Sample ID :	CCV25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:48:02	DataFile Name :	034CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	297592	301123	301405	300040	0.71	cps
Molybdenum	94-1	4679515	4885280	4619894	4728229	2.94	cps
Molybdenum	95-1	5824183	6050326	5748838	5874449	2.67	cps
Molybdenum	96-1	6476828	6706362	6475400	6552863	2.03	cps
Molybdenum	97-1	3626265	3776945	3623359	3675523	2.39	cps
Molybdenum	98-1	9274953	9560346	9188050	9341116	2.09	cps
Neodymium	150-1	180	180	120	160	21.65	cps
Neodymium	150-2	13	3	7	8	65.47	cps
Nickel	60-2	263117	268519	268308	266648	1.15	cps
Phosphorus	31-2	7744	7978	7778	7833	1.61	cps
Potassium	39-2	3168279	3166867	3197436	3177527	0.54	cps
Rhodium	103-1	2745590	2838138	2722574	2768767	2.21	cps
Rhodium	103-2	1140698	1147573	1157342	1148538	0.73	cps
Scandium	45-1	2377222	2469867	2364699	2403929	2.39	cps
Scandium	45-2	35375	35061	35371	35269	0.51	cps
Selenium	77-2	480	550	490	507	7.47	cps
Selenium	78-2	1750	1861	1850	1821	3.36	cps
Selenium	82-1	41938	43775	42096	42603	2.39	cps
Silicon	28-1	2106404	2169756	2097704	2124621	1.85	cps
Silver	109-1	2543926	2655341	2534832	2578033	2.60	cps
Silver	107-1	2651501	2809413	2679594	2713503	3.10	cps
Sodium	23-2	23221356	23176243	23267971	23221857	0.20	cps
Strontium	86-1	825363	851041	823049	833151	1.86	cps
Strontium	88-1	7118088	7243618	6945739	7102482	2.11	cps
Sulfur	34-1	836787	851578	829795	839387	1.33	cps
Terbium	159-1	3314106	3377651	3344513	3345423	0.95	cps
Terbium	159-2	1182167	1175614	1187470	1181751	0.50	cps
Thallium	203-1	1447827	1506474	1432555	1462285	2.67	cps
Thallium	205-1	3567142	3599820	3508838	3558600	1.30	cps
Tin	118-1	1644034	1700681	1653545	1666087	1.82	cps
Titanium	47-1	1904996	1984751	1882026	1923924	2.80	cps
Uranium	238-1	4413890	4618445	4428859	4487065	2.54	cps
Vanadium	51-2	370599	368902	373607	371036	0.64	cps
Yttrium	89-1	3455945	3614553	3434444	3501647	2.81	cps
Yttrium	89-2	200904	202675	199477	201019	0.80	cps
Zinc	66-2	169219	170299	170931	170150	0.51	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCV25	Instrumnet Name :	P8
Client Sample ID :	CCV25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:48:02	DataFile Name :	034CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3914107	4010433	3809749	3911430	2.57	cps
Zirconium	91-1	837842	872089	822569	844166	3.00	cps

LB Number : LB101148 Operator : Jaswal
 Lab Sample ID : CCB25 Instrumnet Name : P8
 Client Sample ID : CCB25 Dilution Factor : 1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	55	63	48	55	13.64	cps
Antimony	121-1	858	1108	1125	1031	14.50	cps
Arsenic	75-1	1035	1088	1051	1058	2.58	cps
Barium	135-1	42	50	50	47	10.18	cps
Barium	137-1	67	67	142	92	47.24	cps
Beryllium	9-1	133	193	140	156	21.14	cps
Bismuth	209-1	1748795	1796343	1773385	1772841	1.34	cps
Bismuth	209-2	850025	846555	847617	848066	0.21	cps
Boron	11-1	4309	4126	3817	4084	6.09	cps
Boron	10-1	825	775	642	747	12.68	cps
Cadmium	106-1	900	883	775	853	7.96	cps
Cadmium	108-1	21	13	4	13	66.64	cps
Cadmium	111-1	674	635	565	624	8.86	cps
Calcium	43-1	363	370	363	366	1.05	cps
Calcium	44-1	36521	36768	36671	36653	0.34	cps
Chromium	52-2	1560	1750	1697	1669	5.87	cps
Cobalt	59-2	147	187	93	142	32.92	cps
Copper	63-2	700	600	710	670	9.08	cps
Dysprosium	156-1	42	17	58	39	53.93	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	17	17	0	11	86.60	cps
Erbium	164-2	10	7	3	7	50.03	cps
Gadolinium	160-1	42	8	17	22	78.07	cps
Gadolinium	160-2	7	17	7	10	57.72	cps
Holmium	165-1	2899238	3010602	2971388	2960409	1.91	cps
Holmium	165-2	1117394	1135118	1135214	1129242	0.91	cps
Indium	115-1	2676385	2858405	2809282	2781357	3.39	cps
Indium	115-2	233308	237523	234253	235028	0.94	cps
Iron	56-2	3790	3823	3973	3862	2.53	cps
Iron	57-2	50	117	117	94	40.76	cps
Krypton	83-1	823	903	877	868	4.69	cps
Lead	207-1	644	589	689	641	7.82	cps
Lead	208-1	3045	2872	2978	2965	2.93	cps
Lead	206-1	845	756	772	791	5.98	cps
Lithium	6-1	498421	514661	517040	510041	1.99	cps
Magnesium	24-2	500	642	508	550	14.45	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB25	Instrumnet Name :	P8
Client Sample ID :	CCB25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:56:07	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	80	80	70	77	7.53	cps
Molybdenum	94-1	267	250	192	236	16.68	cps
Molybdenum	95-1	158	150	208	172	18.32	cps
Molybdenum	96-1	183	250	183	206	18.73	cps
Molybdenum	97-1	233	142	142	172	30.73	cps
Molybdenum	98-1	342	275	283	300	12.11	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	103	137	73	104	30.33	cps
Phosphorus	31-2	8	8	8	8	0.00	cps
Potassium	39-2	6669	7394	6727	6930	5.82	cps
Rhodium	103-1	2702030	2791590	2771914	2755178	1.71	cps
Rhodium	103-2	1153442	1163763	1154325	1157177	0.49	cps
Scandium	45-1	2193910	2290452	2225630	2236664	2.20	cps
Scandium	45-2	33163	33193	32551	32969	1.10	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	9	6	7	7	24.97	cps
Selenium	82-1	58	5	6	23	130.82	cps
Silicon	28-1	398339	400403	402439	400394	0.51	cps
Silver	109-1	342	367	358	356	3.58	cps
Silver	107-1	333	342	325	333	2.50	cps
Sodium	23-2	16277	16577	15893	16249	2.11	cps
Strontium	86-1	1383	1617	1684	1561	10.09	cps
Strontium	88-1	100	58	108	89	30.13	cps
Sulfur	34-1	574972	577653	570226	574284	0.65	cps
Terbium	159-1	3017834	3205823	3124339	3115999	3.03	cps
Terbium	159-2	1119404	1128815	1112472	1120230	0.73	cps
Thallium	203-1	183	192	158	178	9.76	cps
Thallium	205-1	300	283	217	267	16.54	cps
Tin	118-1	383	333	550	422	26.87	cps
Titanium	47-1	150	58	133	114	42.87	cps
Uranium	238-1	175	225	200	200	12.50	cps
Vanadium	51-2	23	23	20	22	8.65	cps
Yttrium	89-1	3217793	3326296	3259713	3267934	1.67	cps
Yttrium	89-2	190777	192202	191455	191478	0.37	cps
Zinc	66-2	63	60	110	78	35.94	cps

LB Number :	LB101148	Operator :	Jaswal
Lab Sample ID :	CCB25	Instrumnet Name :	P8
Client Sample ID :	CCB25	Dilution Factor :	1
Date & Time Acquired ::	2019-03-04 15:56:07	DataFile Name :	035CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	425	300	442	389	19.91	cps
Zirconium	91-1	142	67	142	117	37.11	cps