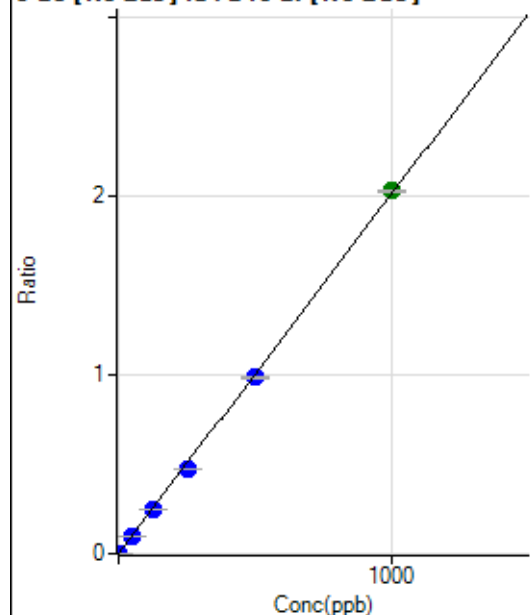


Calibration for 011CALS.d

Batch Folder: D:\P8030119-MS.b\
 Analysis File: P8030119-MS.batch.bin
 DA Date-Time: 2019-03-01 18:19:03
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-03-01 16:18:43
2			
3	005CALS.d	S02	2019-03-01 16:26:18
4	006CALS.d	S03	2019-03-01 16:30:15
5	007CALS.d	S04	2019-03-01 16:34:10
6	008CALS.d	S05	2019-03-01 16:38:03
7	009CALS.d	S06	2019-03-01 16:41:49
8	010CALS.d	S07	2019-03-01 16:45:31
9	011CALS.d	S08	2019-03-01 16:49:05

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	75.56	0.0001	P	36.3
2	☐	0.100					
3	☐	1.000	0.899	1131.17	0.0019	P	5.6
4	☐	50.000	48.008	56787.18	0.0967	P	0.8
5	☐	125.000	123.753	150984.26	0.2490	P	2.4
6	☐	250.000	236.398	294586.99	0.4756	P	0.5
7	☐	500.000	489.930	600690.41	0.9855	P	0.5
8	☐	1000.000	1008.691	1233769.38	2.0289	A	0.5
9	☐			320.01	0.0005	P	3.0

$$y = 0.0020 * x + 1.3373E-004$$

$$R = 0.9998$$

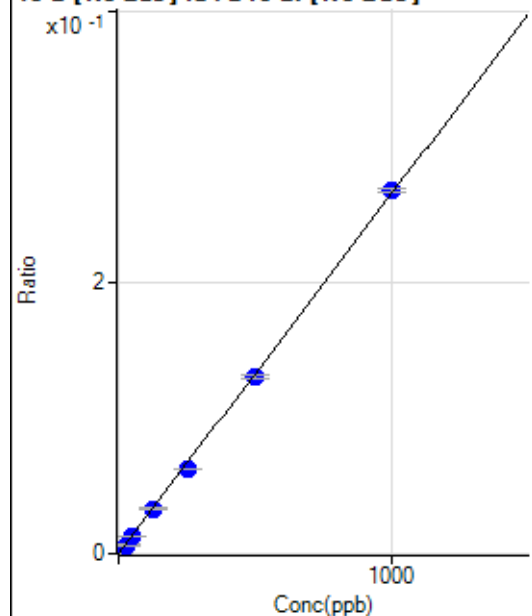
$$DL = 0.07239$$

$$BEC = 0.06649$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	105.56	0.0002	P	24.7
2	☐	2.500					
3	☐	25.000	22.546	3595.05	0.0062	P	10.5
4	☐	50.000	47.775	7557.92	0.0129	P	0.8
5	☐	125.000	124.611	20176.05	0.0333	P	1.2
6	☐	250.000	233.805	38561.06	0.0623	P	0.1
7	☐	500.000	491.701	79682.61	0.1307	P	1.6
8	☐	1000.000	1008.419	162908.36	0.2679	P	0.9
9	☐			3495.01	0.0057	P	8.0

$$y = 2.6547E-004 * x + 1.8690E-004$$

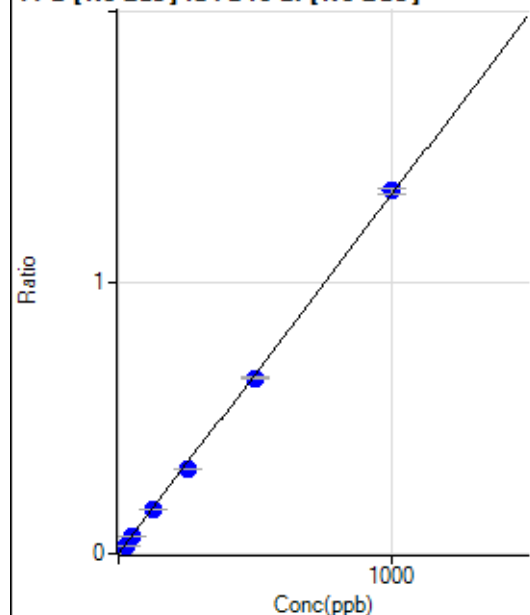
$$R = 0.9998$$

$$DL = 0.5212$$

$$BEC = 0.704$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	536.14	0.0009	P	3.1
2	☐	2.500					
3	☐	25.000	22.622	18003.58	0.0309	P	3.1
4	☐	50.000	47.184	37263.32	0.0634	P	1.9
5	☐	125.000	121.978	98545.81	0.1625	P	1.1
6	☐	250.000	233.516	192183.05	0.3103	P	0.4
7	☐	500.000	488.194	394761.29	0.6476	P	0.8
8	☐	1000.000	1010.602	814670.60	1.3396	P	1.3
9	☐			18006.45	0.0292	P	4.7

$$y = 0.0013 * x + 9.4845E-004$$

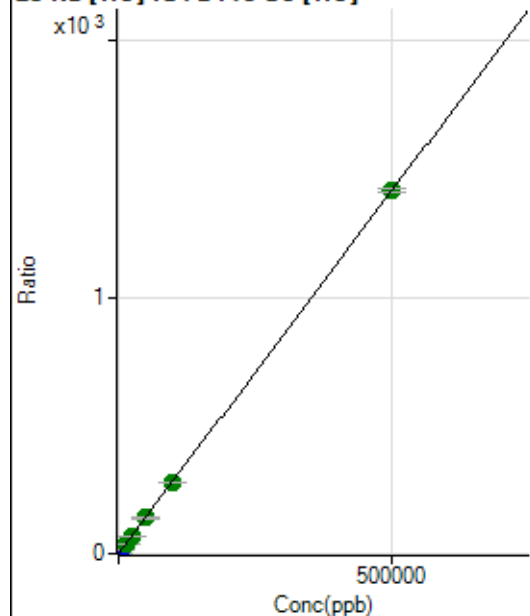
$$R = 0.9998$$

$$DL = 0.06736$$

$$BEC = 0.716$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	9812.11	0.3021	P	3.5
2	☐	50.000					
3	☐	500.000	450.454	50883.90	1.5755	P	2.8
4	☐	5000.000	4816.270	456539.08	13.9171	P	1.0
5	☐	12500.000	12846.042	1201517.02	36.6162	A	1.6
6	☐	25000.000	24490.260	2296460.05	69.5329	A	1.7
7	☐	50000.000	49273.077	4633464.04	139.5907	A	1.9
8	☐	100000.00	98904.276	9285754.38	279.8916	A	0.8
9	☐	500000.00	500310.56	46815358.34	1,414.614	A	1.0

$$y = 0.0028 * x + 0.3021$$

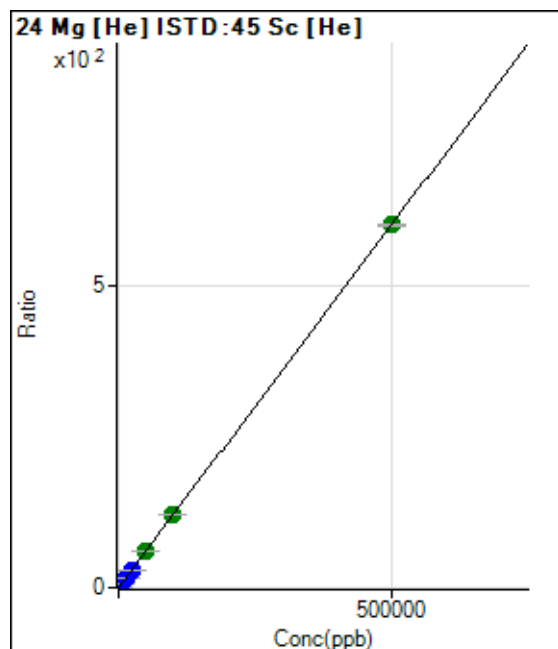
$$R = 1.0000$$

$$DL = 11.24$$

$$BEC = 106.9$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	505.59	0.0155	P	18.5
2	☐	50.000					
3	☐	500.000	471.421	18804.76	0.5822	P	1.4
4	☐	5000.000	4886.773	193187.32	5.8892	P	1.4
5	☐	12500.000	12708.411	501736.09	15.2905	P	1.7
6	☐	25000.000	24150.336	959274.53	29.0431	P	0.6
7	☐	50000.000	50402.413	2011288.59	60.5969	A	2.4
8	☐	100000.00	100054.89	3990332.51	120.2770	A	0.7
9	☐	500000.00	499987.21	19888879.61	600.9773	A	0.8

$$y = 0.0012 * x + 0.0155$$

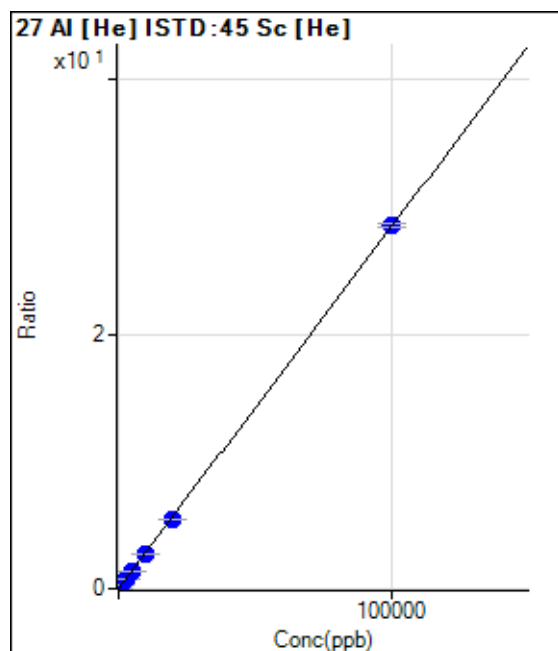
$$R = 1.0000$$

$$DL = 7.193$$

$$BEC = 12.93$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	55.85	0.0017	P	8.1
2	☐	2.000					
3	☐	20.000	16.021	202.56	0.0063	P	12.0
4	☐	1000.000	945.800	8881.75	0.2708	P	1.7
5	☐	2500.000	2432.471	22758.96	0.6937	P	2.4
6	☐	5000.000	4673.116	43958.58	1.3310	P	2.2
7	☐	10000.000	9483.089	89600.38	2.6993	P	1.4
8	☐	20000.000	19250.997	181736.81	5.4778	P	0.3
9	☐	100000.00	100220.06	943507.77	28.5100	P	1.1

$$y = 2.8446E-004 * x + 0.0017$$

$$R = 1.0000$$

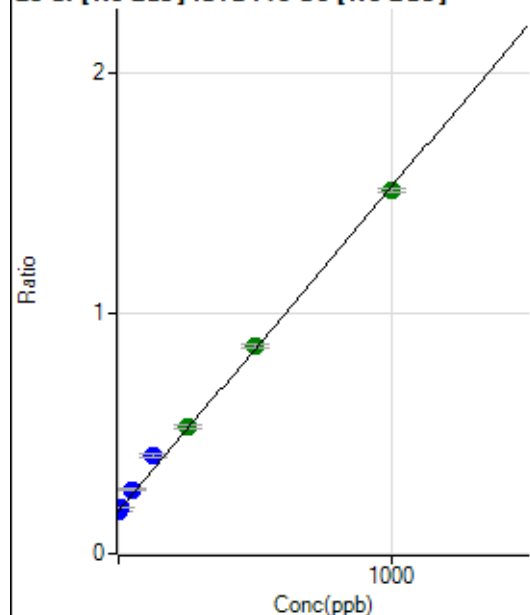
$$DL = 1.467$$

$$BEC = 6.048$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	433238.40	0.1778	P	1.2
2	☐	1.000					
3	☐	10.000	12.403	468002.70	0.1945	P	1.1
4	☐	50.000	66.579	652156.66	0.2674	P	1.0
5	☐	125.000	172.422	1001040.23	0.4098	P	3.4
6	☐	250.000	259.229	1292966.04	0.5266	A	2.2
7	☐	500.000	506.851	2104798.99	0.8597	A	1.9
8	☐	1000.000	987.487	3690514.15	1.5064	A	1.0
9	☐			520193.01	0.2143	P	0.4

$$y = 0.0013 * x + 0.1778$$

$$R = 0.9989$$

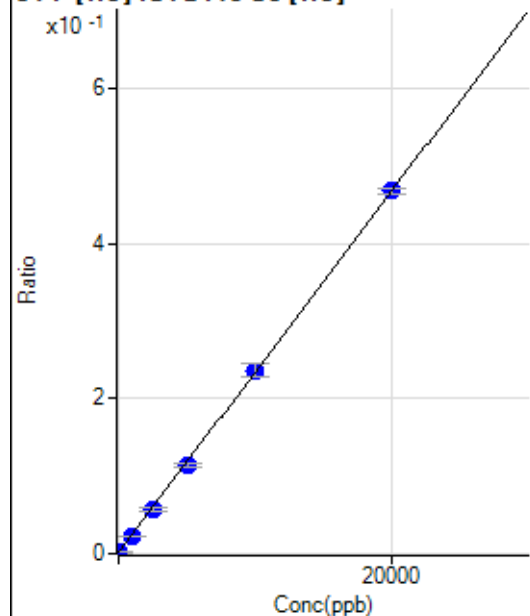
$$DL = 4.607$$

$$BEC = 132.1$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-44.278	11.11	0.0003	P	114.3
2	☐	0.000					
3	☐	0.000	44.278	77.78	0.0024	P	14.9
4	☐	1000.000	884.996	722.28	0.0220	P	7.4
5	☐	2500.000	2370.634	1861.33	0.0567	P	7.0
6	☐	5000.000	4812.033	3753.45	0.1136	P	5.0
7	☐	10000.000	10078.054	7855.28	0.2364	P	7.2
8	☐	20000.000	20029.886	15545.22	0.4686	P	1.8
9	☐			41.67	0.0013	P	52.4

$$y = 2.3325E-005 * x + 0.0014$$

$$R = 0.9999$$

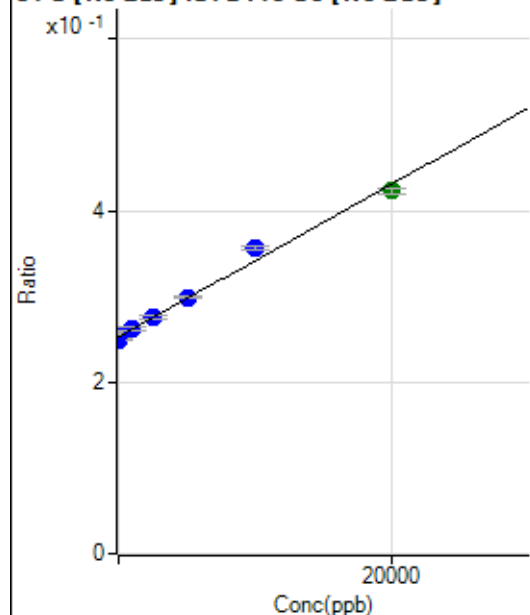
$$DL = 47.96$$

$$BEC = 58.8$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	-412.714	607020.20	0.2491	P	0.8
2	☐	0.000					
3	☐	0.000	412.714	617113.92	0.2564	P	1.3
4	☐	1000.000	1054.151	639399.07	0.2621	P	1.3
5	☐	2500.000	2590.871	673619.80	0.2758	P	1.2
6	☐	5000.000	5206.285	734434.92	0.2991	P	1.0
7	☐	10000.000	11652.540	872668.53	0.3564	P	0.8
8	☐	20000.000	19108.092	1035739.40	0.4228	A	1.7
9	☐			593844.77	0.2446	P	0.5

$$y = 8.8986E-006 * x + 0.2528$$

$$R = 0.9942$$

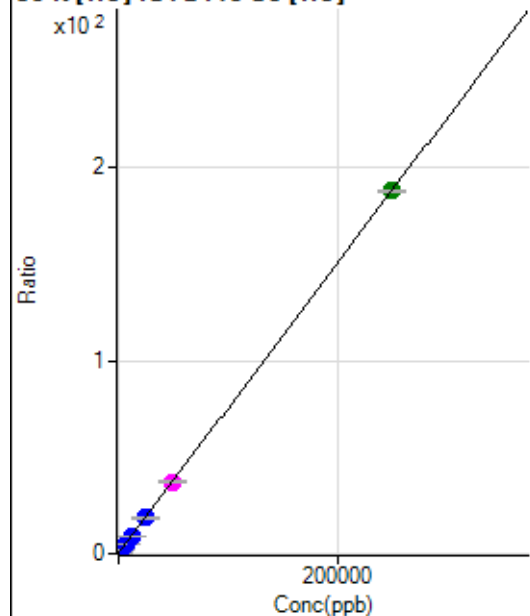
$$DL = 885.1$$

$$BEC = 2.84E+04$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	6037.68	0.1859	P	4.3
2	☐	50.000					
3	☐	500.000	465.780	17291.80	0.5353	P	1.6
4	☐	2500.000	2403.577	65232.71	1.9885	P	1.1
5	☐	6250.000	6247.258	159848.44	4.8711	P	1.1
6	☐	12500.000	11809.732	298665.59	9.0427	P	1.2
7	☐	25000.000	24389.172	613287.05	18.4768	P	2.1
8	☐	50000.000	49346.339	1233947.32	37.1936	M	0.9
9	☐	250000.00	250227.43	6216720.50	187.8460	A	0.7

$$y = 7.4996E-004 * x + 0.1859$$

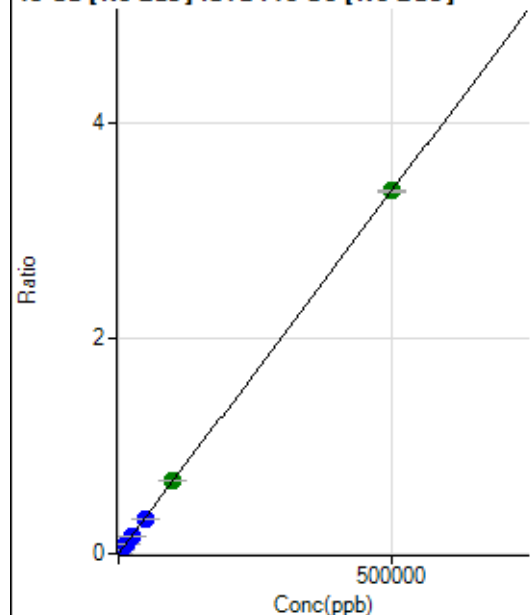
$$R = 1.0000$$

$$DL = 31.63$$

$$BEC = 247.9$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	365.57	0.0001	P	5.7
2	☐	50.000					
3	☐	500.000	435.480	7410.96	0.0031	P	3.9
4	☐	5000.000	4714.560	77744.58	0.0319	P	0.3
5	☐	12500.000	12256.623	201781.54	0.0826	P	0.6
6	☐	25000.000	23471.035	388155.03	0.1581	P	1.1
7	☐	50000.000	48615.340	801193.77	0.3272	P	0.4
8	☐	100000.00	100132.85	1650918.10	0.6739	A	1.0
9	☐	500000.00	500197.34	8169703.91	3.3656	A	0.8

$$y = 6.7282\text{E-}006 * x + 1.4999\text{E-}004$$

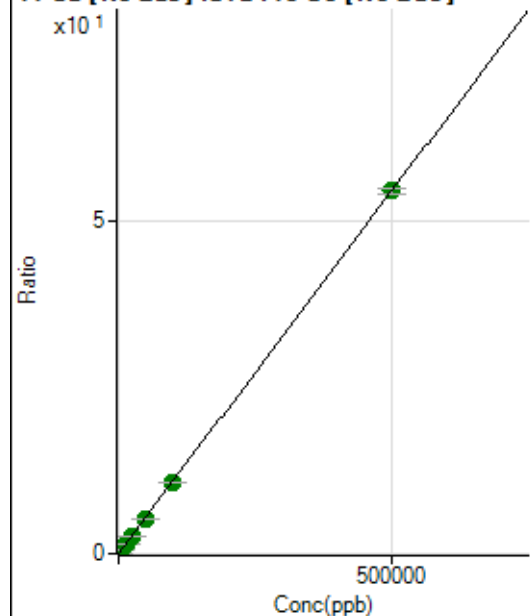
$$R = 1.0000$$

$$DL = 3.833$$

$$BEC = 22.29$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	41072.26	0.0169	P	1.0
2	☐	50.000					
3	☐	500.000	445.978	157360.29	0.0654	P	0.2
4	☐	5000.000	4773.551	1308169.35	0.5363	A	0.3
5	☐	12500.000	12249.081	3296568.87	1.3497	A	0.6
6	☐	25000.000	23292.612	6265329.28	2.5514	A	1.2
7	☐	50000.000	48199.644	12882126.06	5.2616	A	0.2
8	☐	100000.00	98555.966	26314750.44	10.7410	A	0.4
9	☐	500000.00	500562.80	132254545.8	54.4845	A	1.3

$$y = 1.0881\text{E-}004 * x + 0.0169$$

$$R = 1.0000$$

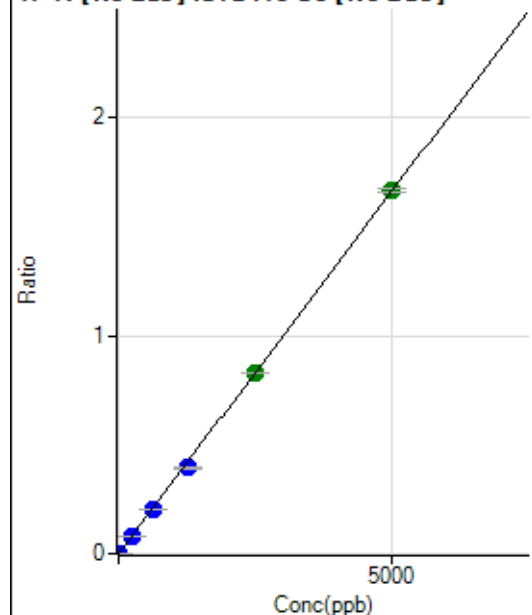
$$DL = 4.48$$

$$BEC = 154.9$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	94.45	0.0000	P	36.8
2	☐	0.500					
3	☐	5.000	4.517	3697.86	0.0015	P	2.5
4	☐	250.000	235.520	190572.46	0.0781	P	1.1
5	☐	625.000	621.770	503616.51	0.2062	P	0.6
6	☐	1250.000	1185.565	965372.46	0.3931	P	1.2
7	☐	2500.000	2504.571	2033235.33	0.8305	A	0.5
8	☐	5000.000	5014.952	4073647.10	1.6628	A	0.9
9	☐			991.75	0.0004	P	7.8

$$y = 3.3156E-004 * x + 3.8768E-005$$

$$R = 0.9999$$

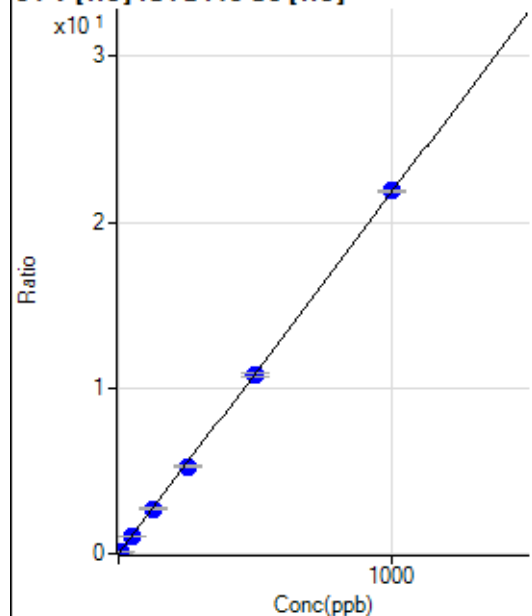
$$DL = 0.129$$

$$BEC = 0.1169$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	18.89	0.0006	P	11.1
2	☐	0.500					
3	☐	5.000	4.844	3424.93	0.1061	P	4.8
4	☐	50.000	47.951	34275.45	1.0448	P	0.9
5	☐	125.000	124.572	89043.07	2.7134	P	1.1
6	☐	250.000	241.292	173571.53	5.2553	P	1.1
7	☐	500.000	494.676	357599.89	10.7733	P	1.8
8	☐	1000.000	1004.996	726126.12	21.8867	P	0.4
9	☐			171.11	0.0052	P	6.6

$$y = 0.0218 * x + 5.8199E-004$$

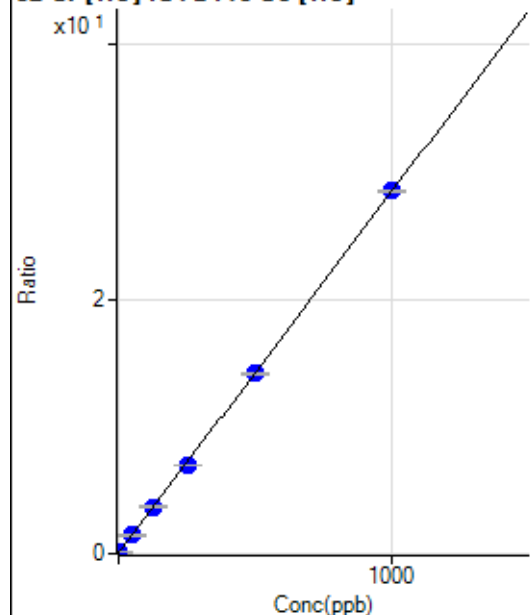
$$R = 0.9999$$

$$DL = 0.008929$$

$$BEC = 0.02672$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1704.58	0.0525	P	5.6
2	☐	0.200					
3	☐	2.000	1.887	3427.15	0.1061	P	1.7
4	☐	50.000	49.260	47589.71	1.4508	P	2.2
5	☐	125.000	127.684	120653.52	3.6769	P	1.7
6	☐	250.000	243.009	229571.91	6.9505	P	0.4
7	☐	500.000	497.127	470170.15	14.1639	P	1.3
8	☐	1000.000	1002.886	946197.85	28.5203	P	0.7
9	☐			9512.27	0.2874	P	1.2

$$y = 0.0284 * x + 0.0525$$

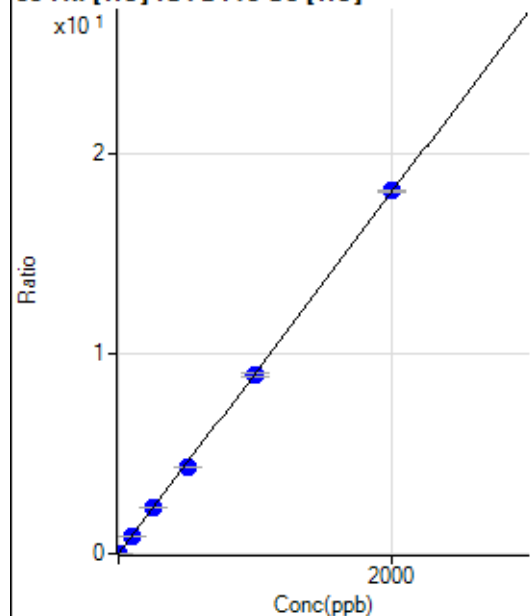
$$R = 1.0000$$

$$DL = 0.3114$$

$$BEC = 1.85$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	76.67	0.0024	P	11.0
2	☐	0.100					
3	☐	1.000	1.018	372.23	0.0115	P	9.4
4	☐	100.000	96.720	28664.14	0.8738	P	1.7
5	☐	250.000	255.304	75566.42	2.3027	P	1.1
6	☐	500.000	477.540	142188.52	4.3051	P	1.2
7	☐	1000.000	992.881	297012.06	8.9484	P	2.3
8	☐	2000.000	2008.675	600525.53	18.1009	P	0.6
9	☐			2419.15	0.0731	P	2.9

$$y = 0.0090 * x + 0.0024$$

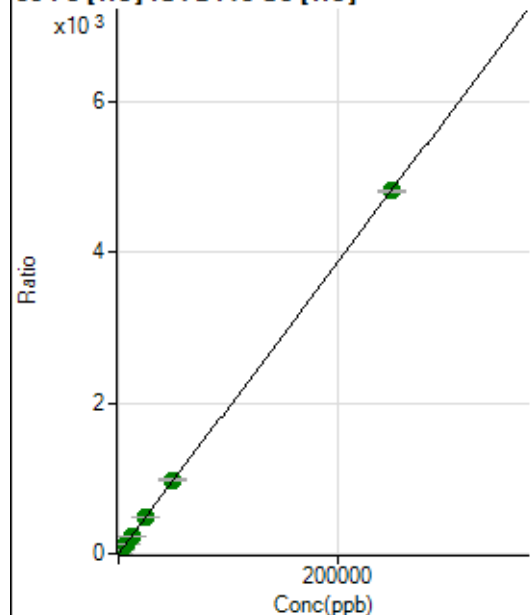
$$R = 0.9999$$

$$DL = 0.08614$$

$$BEC = 0.2619$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	4052.55	0.1248	P	4.5
2	☐	5.000					
3	☐	50.000	50.091	35200.49	1.0899	P	2.5
4	☐	2500.000	2528.466	1602156.87	48.8405	A	1.1
5	☐	6250.000	6506.998	4118271.22	125.4946	A	1.0
6	☐	12500.000	12361.750	7870487.04	238.2977	A	1.2
7	☐	25000.000	25260.919	16158544.69	486.8251	A	2.4
8	☐	50000.000	50887.997	32532191.47	980.5802	A	0.6
9	☐	250000.00	249796.51	159282094.3	4,812.936	A	0.7

$$y = 0.0193 * x + 0.1248$$

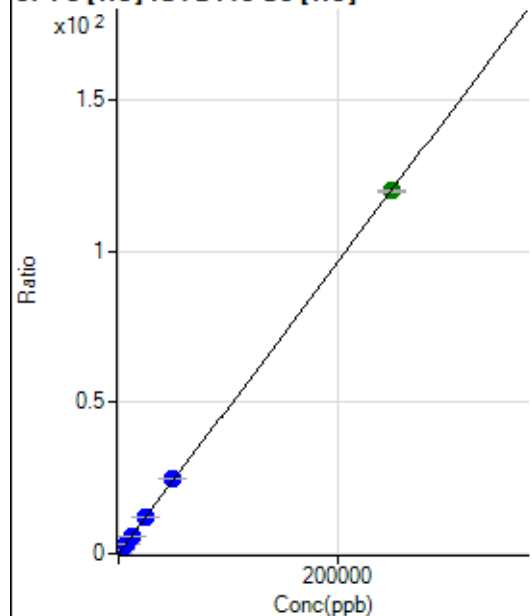
$$R = 1.0000$$

$$DL = 0.8718$$

$$BEC = 6.476$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	142.60	0.0044	P	10.3
2	☐	5.000					
3	☐	50.000	50.791	929.69	0.0288	P	14.6
4	☐	2500.000	2509.816	39740.47	1.2115	P	1.5
5	☐	6250.000	6520.193	103041.55	3.1402	P	1.8
6	☐	12500.000	12468.638	198209.86	6.0011	P	0.7
7	☐	25000.000	25433.970	406173.73	12.2367	P	1.8
8	☐	50000.000	51381.902	819981.31	24.7161	P	0.9
9	☐	250000.00	249674.93	3974098.07	120.0836	A	0.8

$$y = 4.8094E-004 * x + 0.0044$$

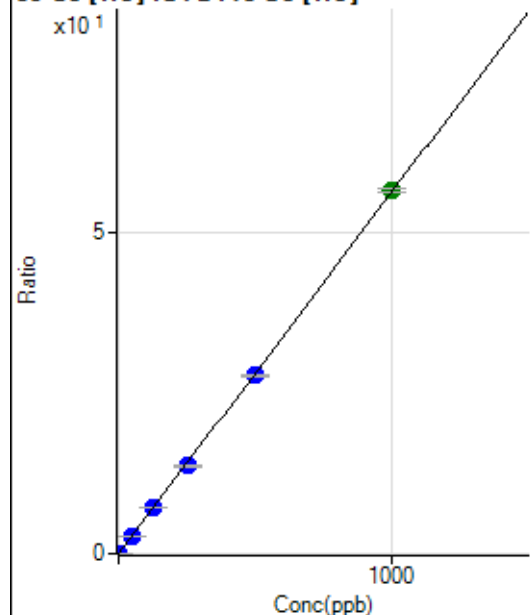
$$R = 1.0000$$

$$DL = 2.823$$

$$BEC = 9.132$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	132.22	0.0041	P	4.7
2	☐	0.100					
3	☐	1.000	0.880	1724.58	0.0534	P	8.7
4	☐	50.000	49.211	90667.06	2.7639	P	1.0
5	☐	125.000	126.538	232989.11	7.1005	P	1.7
6	☐	250.000	242.879	450023.19	13.6252	P	0.8
7	☐	500.000	493.622	919051.50	27.6873	P	1.6
8	☐	1000.000	1004.816	1869652.45	56.3559	A	1.1
9	☐			21191.89	0.6404	P	1.0

$$y = 0.0561 * x + 0.0041$$

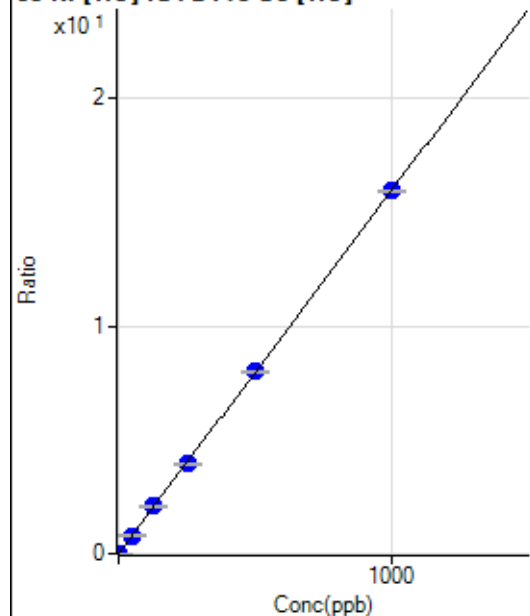
$$R = 0.9999$$

$$DL = 0.01029$$

$$BEC = 0.07257$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	106.67	0.0033	P	25.9
2	☐	0.100					
3	☐	1.000	0.983	612.25	0.0190	P	4.1
4	☐	50.000	50.114	26297.17	0.8017	P	1.1
5	☐	125.000	130.260	68200.80	2.0785	P	2.2
6	☐	250.000	246.842	129991.18	3.9357	P	1.0
7	☐	500.000	501.361	265231.39	7.9904	P	1.7
8	☐	1000.000	999.446	528348.18	15.9254	P	0.6
9	☐			6990.74	0.2112	P	1.8

$$y = 0.0159 * x + 0.0033$$

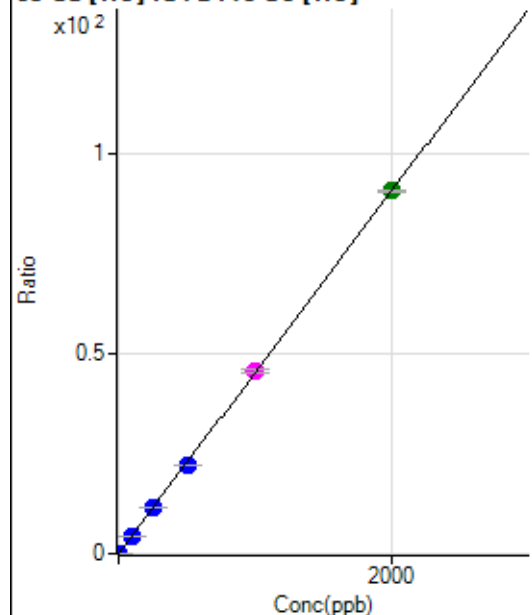
$$R = 1.0000$$

$$DL = 0.1605$$

$$BEC = 0.2066$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	407.79	0.0126	P	8.4
2	☐	0.200					
3	☐	2.000	1.828	3080.40	0.0953	P	5.7
4	☐	100.000	98.311	146440.99	4.4642	P	1.4
5	☐	250.000	256.773	381931.92	11.6395	P	1.6
6	☐	500.000	487.917	730161.16	22.1059	P	0.2
7	☐	1000.000	1002.599	1507343.21	45.4112	M	2.0
8	☐	2000.000	2000.959	3006440.79	90.6180	A	0.3
9	☐			9522.30	0.2877	P	3.4

$$y = 0.0453 * x + 0.0126$$

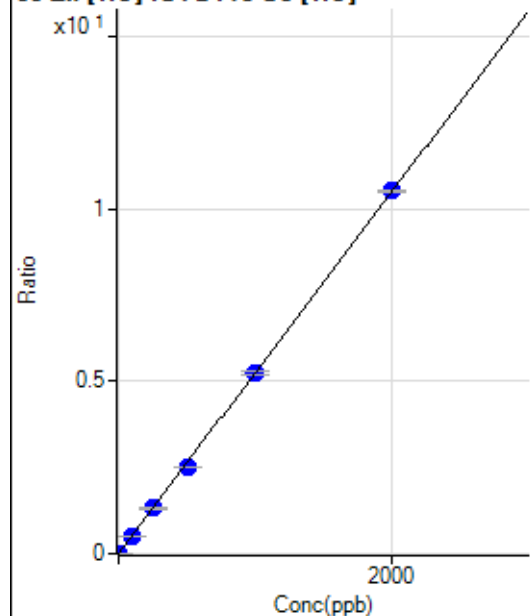
$$R = 1.0000$$

$$DL = 0.06989$$

$$BEC = 0.2774$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	90.00	0.0028	P	6.5
2	☐	0.200					
3	☐	2.000	1.970	423.35	0.0131	P	4.0
4	☐	100.000	95.094	16454.43	0.5016	P	0.5
5	☐	250.000	251.702	43408.96	1.3230	P	2.4
6	☐	500.000	477.568	82830.01	2.5078	P	0.9
7	☐	1000.000	997.163	173707.80	5.2333	P	1.9
8	☐	2000.000	2007.059	349369.33	10.5306	P	0.5
9	☐			2901.47	0.0877	P	4.8

$$y = 0.0052 * x + 0.0028$$

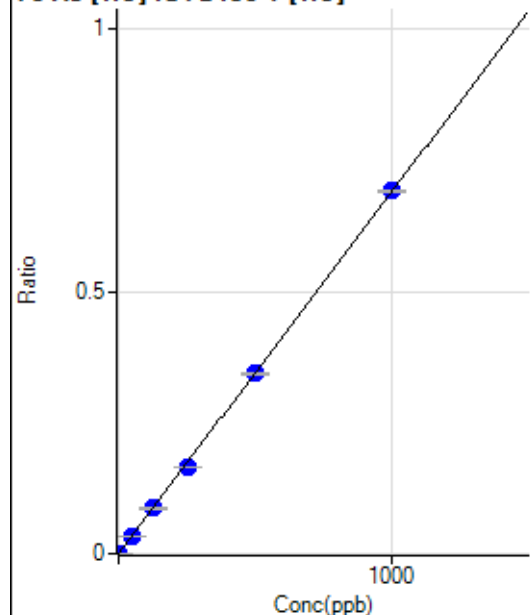
$$R = 0.9999$$

$$DL = 0.1035$$

$$BEC = 0.528$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8.64	0.0000	P	118.3
2	☐	0.100					
3	☐	1.000	0.849	119.14	0.0006	P	17.2
4	☐	50.000	48.853	6399.69	0.0337	P	3.2
5	☐	125.000	125.378	16550.74	0.0865	P	1.3
6	☐	250.000	239.649	31667.17	0.1652	P	1.4
7	☐	500.000	498.033	65723.80	0.3433	P	0.8
8	☐	1000.000	1003.582	133312.31	0.6917	P	0.3
9	☐			193.21	0.0010	P	3.7

$$y = 6.8915E-004 * x + 4.6240E-005$$

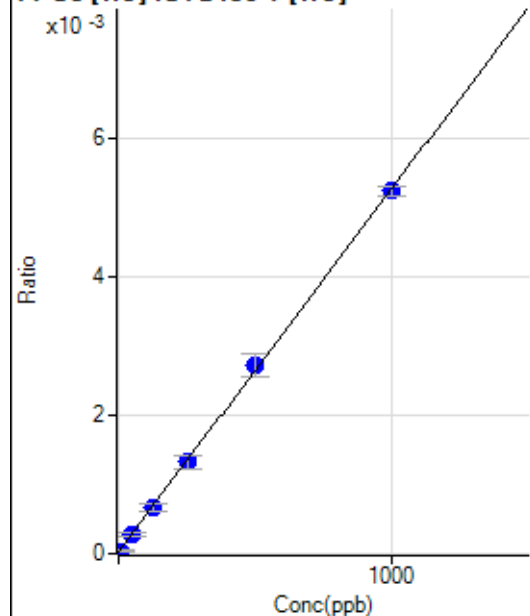
$$R = 0.9999$$

$$DL = 0.2381$$

$$BEC = 0.0671$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	5.56	0.0000	P	91.9
2	☐	0.500					
3	☐	5.000	1.072	6.67	0.0000	P	86.6
4	☐	50.000	49.017	54.45	0.0003	P	19.4
5	☐	125.000	121.588	127.78	0.0007	P	15.8
6	☐	250.000	246.226	253.34	0.0013	P	13.4
7	☐	500.000	513.393	521.13	0.0027	P	12.3
8	☐	1000.000	994.742	1011.17	0.0052	P	2.5
9	☐			1.11	0.0000	P	173.2

$$y = 5.2444E-006 * x + 2.9646E-005$$

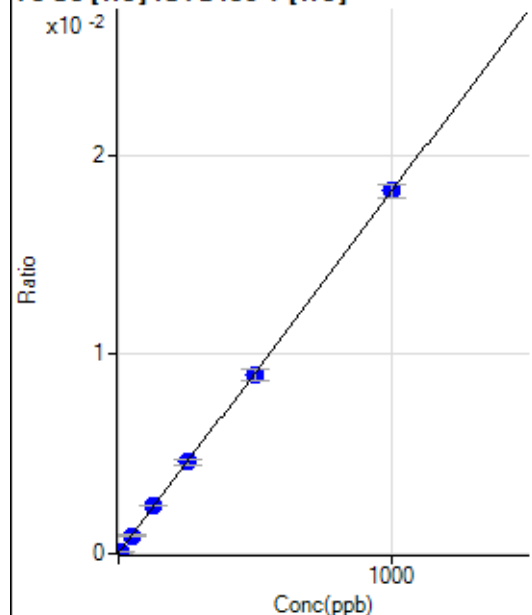
$$R = 0.9998$$

$$DL = 15.59$$

$$BEC = 5.653$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	3.09	0.0000	P	92.1
2	☐	0.500					
3	☐	5.000	6.478	25.31	0.0001	P	10.9
4	☐	50.000	49.555	174.08	0.0009	P	12.0
5	☐	125.000	130.345	456.19	0.0024	P	0.4
6	☐	250.000	252.559	882.14	0.0046	P	6.3
7	☐	500.000	494.185	1720.50	0.0090	P	6.9
8	☐	1000.000	1001.614	3507.27	0.0182	P	3.9
9	☐			15.43	0.0001	P	38.9

$$y = 1.8153E-005 * x + 1.6507E-005$$

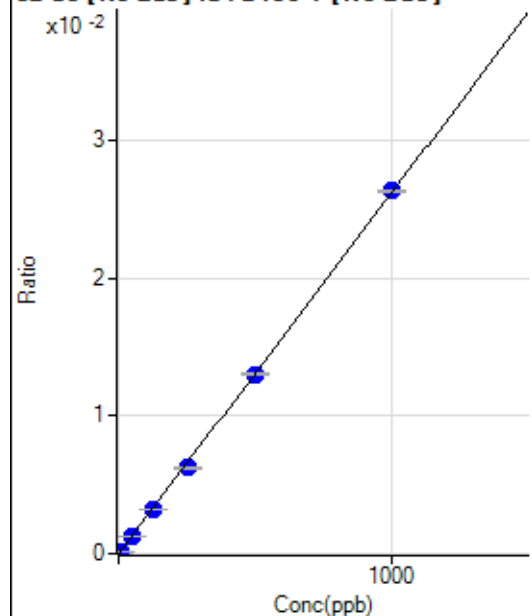
$$R = 1.0000$$

$$DL = 2.511$$

$$BEC = 0.9093$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-1.41	0.0000	P	-213133.
2	☐	0.500					
3	☐	5.000	3.548	313.43	0.0001	P	11.8
4	☐	50.000	47.245	4202.87	0.0012	P	3.2
5	☐	125.000	124.893	11273.51	0.0033	P	0.5
6	☐	250.000	237.752	21734.16	0.0062	P	1.0
7	☐	500.000	495.969	44704.90	0.0130	P	1.1
8	☐	1000.000	1005.236	90993.55	0.0263	P	0.3
9	☐			103.78	0.0000	P	38.4

$$y = 2.6198E-005 * x - 1.6017E-008$$

$$R = 0.9999$$

$$DL = 3.909$$

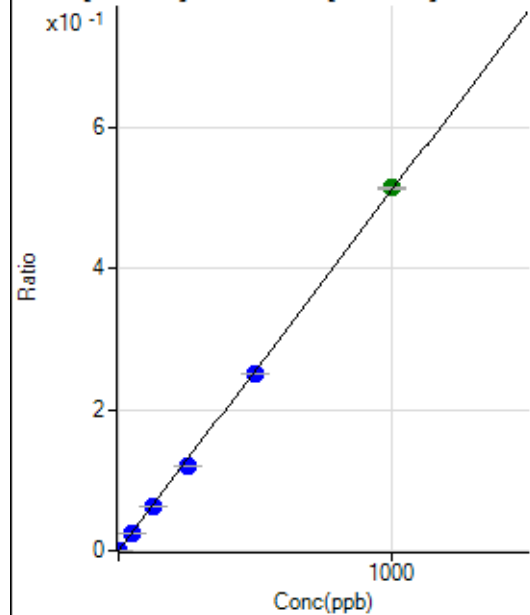
$$BEC = -0.0006114$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			913.38		P	5.2
2	☐						
3	☐			980.05		P	0.7
4	☐			921.16		P	7.1
5	☐			938.94		P	3.8
6	☐			940.05		P	2.2
7	☐			966.71		P	5.5
8	☐			927.83		P	8.1
9	☐			882.27		P	8.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1416.81	0.0004	P	9.0
2	☐	0.100					
3	☐	1.000	0.752	2689.28	0.0008	P	4.1
4	☐	50.000	47.496	83639.54	0.0246	P	1.6
5	☐	125.000	123.697	218705.17	0.0635	P	1.4
6	☐	250.000	235.542	420503.07	0.1205	P	0.9
7	☐	500.000	491.226	863154.50	0.2509	P	0.8
8	☐	1000.000	1008.290	1777715.54	0.5145	A	0.7
9	☐			8013.82	0.0023	P	3.1

$$y = 5.0987E-004 * x + 4.1428E-004$$

$$R = 0.9998$$

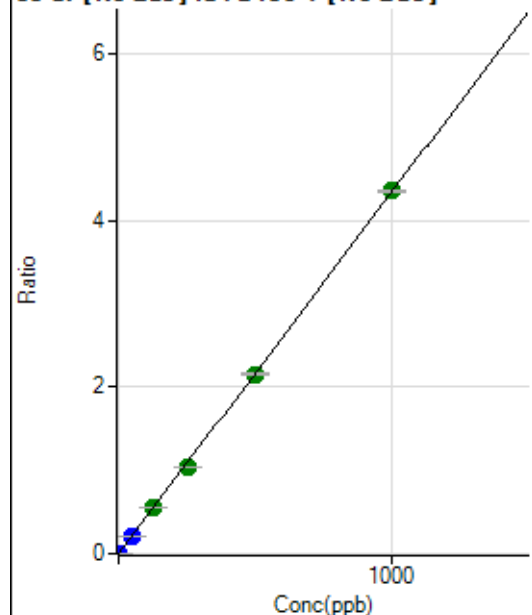
$$DL = 0.2198$$

$$BEC = 0.8125$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	155.56	0.0000	P	23.4
2	☐	0.100					
3	☐	1.000	0.773	11477.59	0.0034	P	1.0
4	☐	50.000	47.442	699612.13	0.2060	P	0.3
5	☐	125.000	126.277	1888815.76	0.5483	A	1.5
6	☐	250.000	239.486	3628134.41	1.0398	A	0.9
7	☐	500.000	495.767	7405813.36	2.1524	A	1.1
8	☐	1000.000	1004.713	15071397.91	4.3620	A	0.4
9	☐			53834.79	0.0157	P	1.0

$$y = 0.0043 * x + 4.5648E-005$$

$$R = 0.9999$$

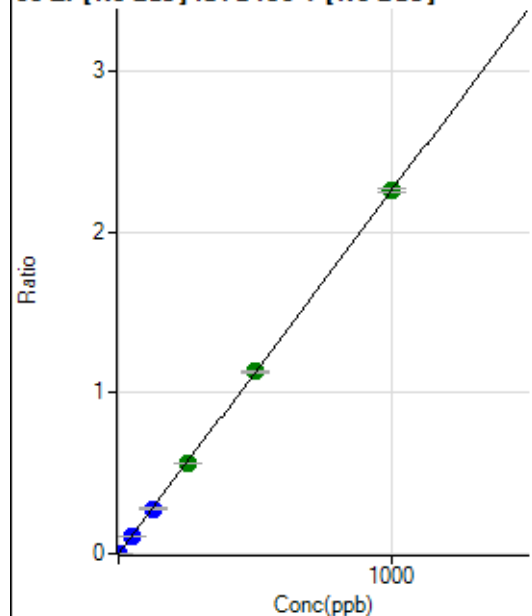
$$DL = 0.007387$$

$$BEC = 0.01051$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	311.13	0.0001	P	6.8
2	☐	0.100					
3	☐	1.000	0.842	6710.30	0.0020	P	2.6
4	☐	50.000	48.690	373425.36	0.1100	P	0.1
5	☐	125.000	124.180	965678.33	0.2803	P	1.3
6	☐	250.000	248.347	1955797.57	0.5605	A	1.1
7	☐	500.000	501.851	3896722.48	1.1325	A	1.0
8	☐	1000.000	999.656	7794581.34	2.2558	A	1.0
9	☐			2222.50	0.0006	P	6.5

$$y = 0.0023 * x + 9.0963E-005$$

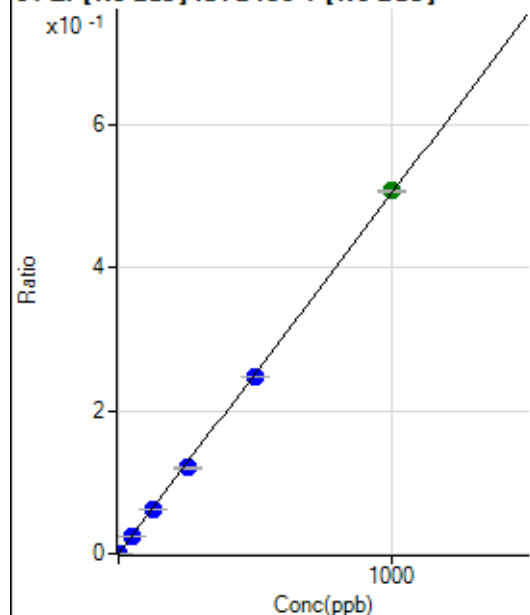
$$R = 1.0000$$

$$DL = 0.008203$$

$$BEC = 0.04031$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	80.56	0.0000	P	5.1
2	☐	0.100					
3	☐	1.000	0.855	1530.72	0.0005	P	5.8
4	☐	50.000	48.155	82397.36	0.0243	P	1.3
5	☐	125.000	123.072	213514.65	0.0620	P	1.7
6	☐	250.000	239.349	420511.20	0.1205	P	1.5
7	☐	500.000	491.427	851220.61	0.2474	P	0.5
8	☐	1000.000	1007.283	1752078.51	0.5071	A	0.8
9	☐			483.37	0.0001	P	14.7

$$y = 5.0339\text{E-}004 * x + 2.3556\text{E-}005$$

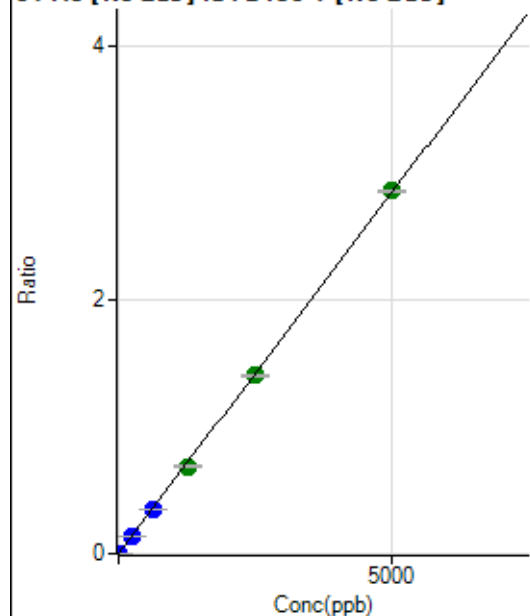
$$R = 0.9999$$

$$DL = 0.007146$$

$$BEC = 0.0468$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	152.79	0.0000	P	15.1
2	☐	0.500					
3	☐	5.000	4.300	8389.05	0.0025	P	2.9
4	☐	250.000	237.272	457903.91	0.1348	P	1.3
5	☐	625.000	610.499	1195077.09	0.3469	P	1.2
6	☐	1250.000	1206.522	2392026.23	0.6855	A	2.1
7	☐	2500.000	2471.129	4830466.73	1.4040	A	1.2
8	☐	5000.000	5027.755	9869746.75	2.8565	A	0.4
9	☐			3889.60	0.0011	P	5.6

$$y = 5.6813\text{E-}004 * x + 4.4658\text{E-}005$$

$$R = 0.9999$$

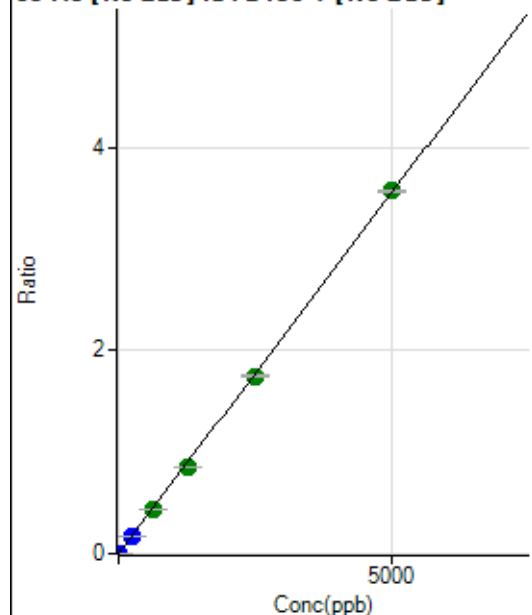
$$DL = 0.03568$$

$$BEC = 0.07861$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	19.45	0.0000	P	108.0
2	☐	0.500					
3	☐	5.000	4.415	10582.34	0.0031	P	3.8
4	☐	250.000	237.349	571813.48	0.1684	P	1.2
5	☐	625.000	620.203	1515708.72	0.4400	A	2.0
6	☐	1250.000	1196.981	2963251.76	0.8492	A	0.5
7	☐	2500.000	2465.128	6017110.38	1.7489	A	1.0
8	☐	5000.000	5031.924	12334595.59	3.5698	A	0.6
9	☐			5623.65	0.0016	P	1.8

$$y = 7.0944\text{E-}004 * x + 5.7636\text{E-}006$$

$$R = 0.9999$$

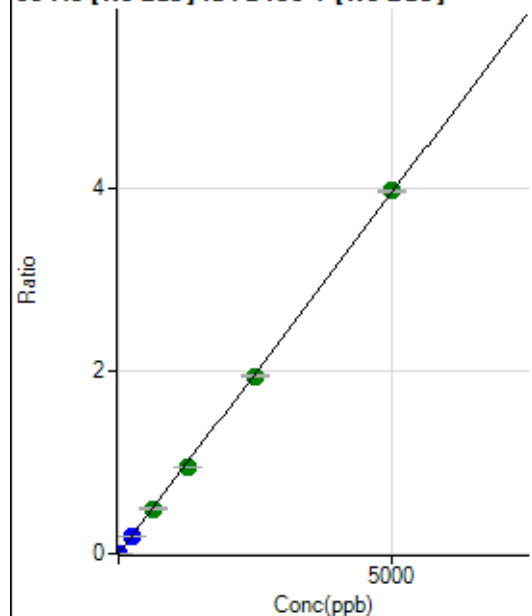
$$DL = 0.02633$$

$$BEC = 0.008124$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	86.12	0.0000	P	29.8
2	☐	0.500					
3	☐	5.000	4.444	11883.47	0.0035	P	3.9
4	☐	250.000	235.676	630116.07	0.1856	P	1.1
5	☐	625.000	624.711	1694342.51	0.4918	A	1.5
6	☐	1250.000	1192.680	3276482.36	0.9389	A	0.5
7	☐	2500.000	2465.224	6677318.29	1.9407	A	0.9
8	☐	5000.000	5032.471	13688676.87	3.9618	A	0.4
9	☐			6790.88	0.0020	P	3.4

$$y = 7.8724\text{E-}004 * x + 2.5185\text{E-}005$$

$$R = 0.9999$$

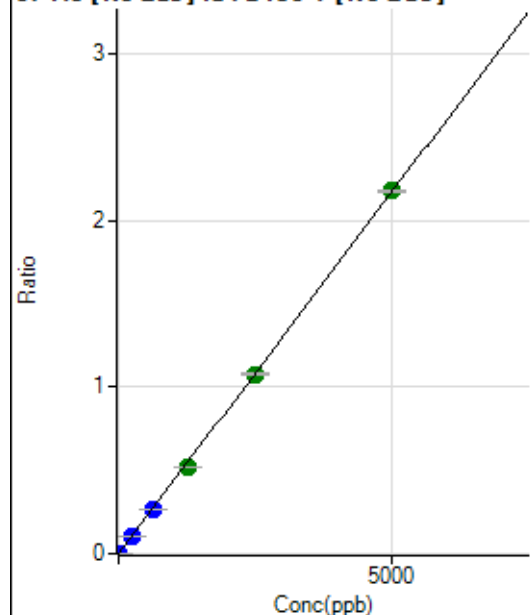
$$DL = 0.02861$$

$$BEC = 0.03199$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	136.12	0.0000	P	27.8
2	☐	0.500					
3	☐	5.000	4.469	6674.17	0.0020	P	6.5
4	☐	250.000	239.270	352675.05	0.1039	P	1.0
5	☐	625.000	615.893	920656.15	0.2673	P	1.9
6	☐	1250.000	1192.500	1805548.13	0.5174	A	0.1
7	☐	2500.000	2487.559	3713517.31	1.0793	A	0.5
8	☐	5000.000	5022.271	7528964.84	2.1790	A	0.5
9	☐			3461.71	0.0010	P	0.2

$$y = 4.3387E-004 * x + 3.9727E-005$$

$$R = 0.9999$$

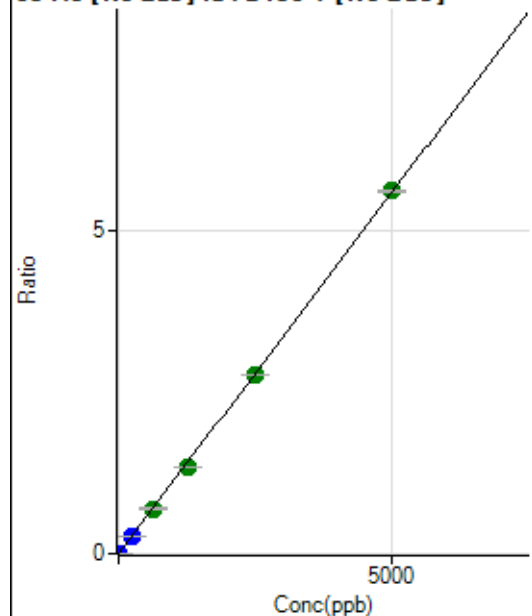
$$DL = 0.07646$$

$$BEC = 0.09156$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	44.45	0.0000	P	11.9
2	☐	0.500					
3	☐	5.000	4.371	16496.83	0.0049	P	1.5
4	☐	250.000	239.242	906868.74	0.2670	P	0.3
5	☐	625.000	625.029	2403316.74	0.6976	A	1.8
6	☐	1250.000	1189.910	4634545.24	1.3281	A	0.5
7	☐	2500.000	2479.527	9522155.86	2.7675	A	0.4
8	☐	5000.000	5025.794	19381852.69	5.6096	A	0.5
9	☐			8614.25	0.0025	P	4.2

$$y = 0.0011 * x + 1.3011E-005$$

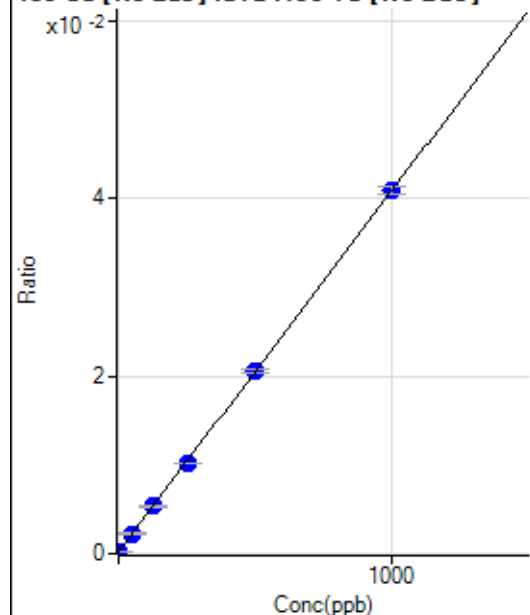
$$R = 0.9999$$

$$DL = 0.004146$$

$$BEC = 0.01166$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	713.94	0.0002	P	17.3
2	☐	0.100					
3	☐	1.000	1.349	883.41	0.0003	P	7.3
4	☐	50.000	50.144	6971.55	0.0023	P	6.5
5	☐	125.000	126.118	16588.70	0.0054	P	2.2
6	☐	250.000	245.509	32086.47	0.0102	P	0.3
7	☐	500.000	500.193	64823.84	0.0205	P	2.2
8	☐	1000.000	1000.879	129814.69	0.0408	P	2.0
9	☐			913.96	0.0003	P	6.5

$$y = 4.0569\text{E-}005 * x + 2.3616\text{E-}004$$

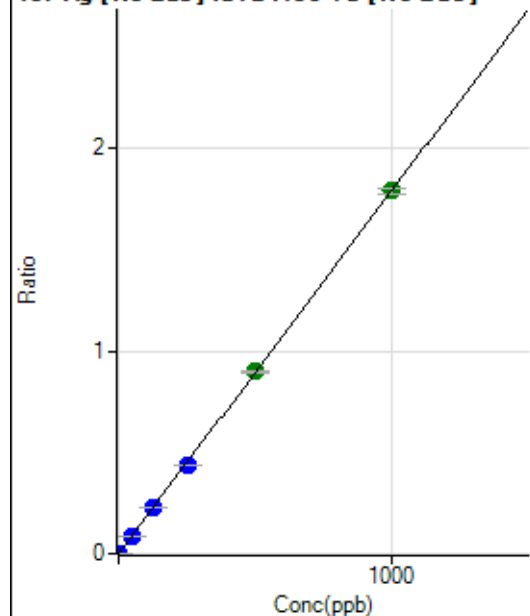
$$R = 1.0000$$

$$DL = 3.015$$

$$BEC = 5.821$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	141.67	0.0000	P	25.6
2	☐	0.100					
3	☐	1.000	0.940	5248.47	0.0017	P	3.7
4	☐	50.000	48.958	269116.82	0.0876	P	0.5
5	☐	125.000	126.450	701417.82	0.2263	P	1.0
6	☐	250.000	243.427	1370771.01	0.4356	P	0.9
7	☐	500.000	502.432	2838906.83	0.8990	A	0.7
8	☐	1000.000	1000.298	5689692.10	1.7899	A	1.3
9	☐			1080.65	0.0004	P	20.2

$$y = 0.0018 * x + 4.6849\text{E-}005$$

$$R = 1.0000$$

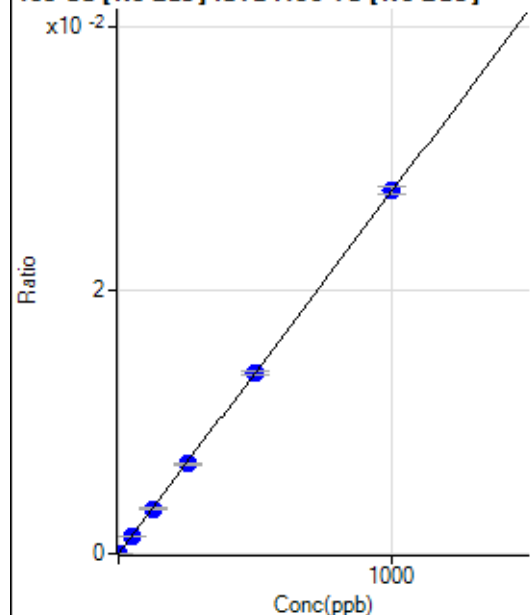
$$DL = 0.0201$$

$$BEC = 0.02618$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	8.33	0.0000	P	49.9
2	☐	0.100					
3	☐	1.000	0.930	86.11	0.0000	P	10.6
4	☐	50.000	48.199	4078.49	0.0013	P	1.7
5	☐	125.000	123.636	10544.61	0.0034	P	3.1
6	☐	250.000	247.519	21429.84	0.0068	P	1.8
7	☐	500.000	496.909	43158.03	0.0137	P	2.1
8	☐	1000.000	1002.426	87637.01	0.0276	P	2.0
9	☐			27.78	0.0000	P	9.9

$$y = 2.7500\text{E-}005 * x + 2.7541\text{E-}006$$

$$R = 1.0000$$

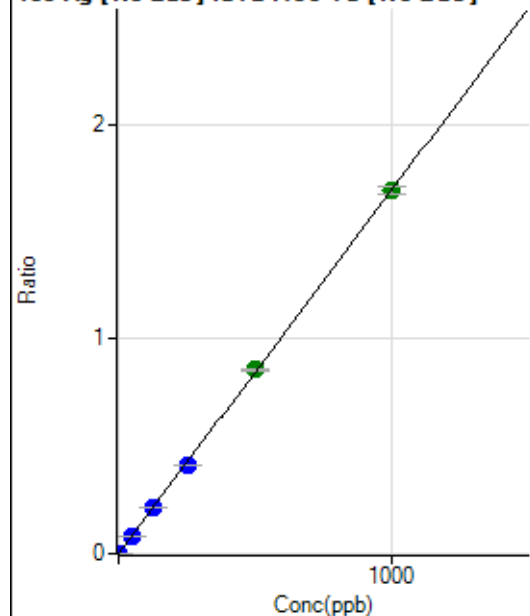
$$DL = 0.1499$$

$$BEC = 0.1001$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	88.89	0.0000	P	35.8
2	☐	0.100					
3	☐	1.000	0.986	5159.55	0.0017	P	2.2
4	☐	50.000	48.763	253604.94	0.0826	P	0.2
5	☐	125.000	127.440	668848.62	0.2158	P	1.6
6	☐	250.000	243.890	1299549.69	0.4130	P	0.7
7	☐	500.000	505.511	2702842.29	0.8560	A	0.9
8	☐	1000.000	998.529	5374009.50	1.6907	A	2.0
9	☐			994.53	0.0003	P	4.0

$$y = 0.0017 * x + 2.9414\text{E-}005$$

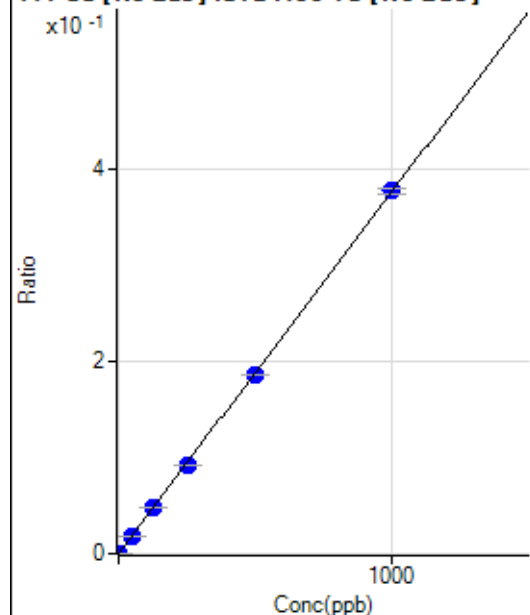
$$R = 1.0000$$

$$DL = 0.01865$$

$$BEC = 0.01737$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	503.65	0.0002	P	17.6
2	☐	0.100					
3	☐	1.000	0.935	1573.44	0.0005	P	3.4
4	☐	50.000	48.881	56928.52	0.0185	P	0.9
5	☐	125.000	127.140	148630.54	0.0480	P	1.5
6	☐	250.000	243.513	288562.61	0.0917	P	0.4
7	☐	500.000	494.654	587654.01	0.1861	P	0.5
8	☐	1000.000	1004.083	1200192.16	0.3776	P	1.8
9	☐			706.44	0.0002	P	6.7

$$y = 3.7589\text{E-}004 * x + 1.6660\text{E-}004$$

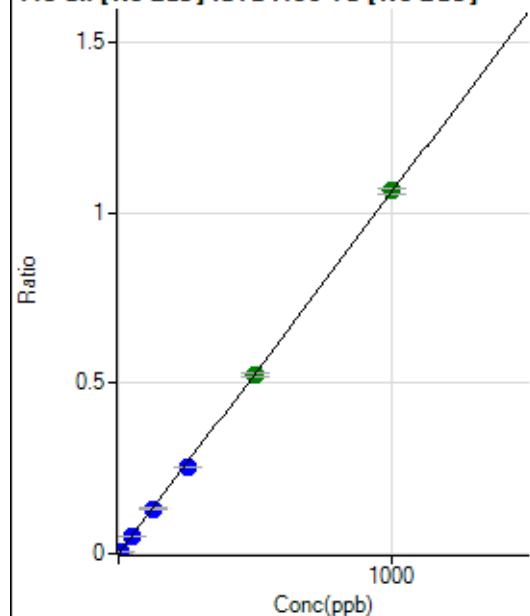
$$R = 0.9999$$

$$DL = 0.2335$$

$$BEC = 0.4432$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	277.79	0.0001	P	19.7
2	☐	0.500					
3	☐	5.000	4.664	15303.90	0.0050	P	0.9
4	☐	50.000	47.647	155444.67	0.0506	P	0.3
5	☐	125.000	124.675	410086.07	0.1323	P	1.8
6	☐	250.000	240.754	803764.31	0.2554	P	0.9
7	☐	500.000	495.789	1660640.99	0.5259	A	1.5
8	☐	1000.000	1004.577	3386937.83	1.0655	A	1.6
9	☐			2369.78	0.0008	P	5.8

$$y = 0.0011 * x + 9.1889\text{E-}005$$

$$R = 0.9999$$

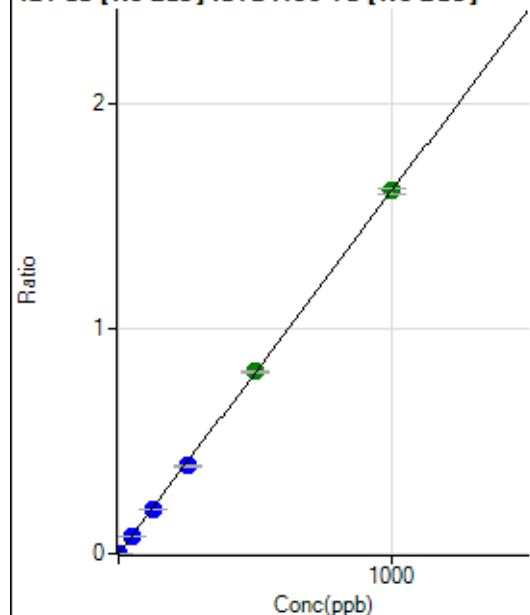
$$DL = 0.05129$$

$$BEC = 0.08664$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	94.45	0.0000	P	20.3
2	☐	0.200					
3	☐	2.000	1.717	8483.64	0.0028	P	4.1
4	☐	50.000	47.500	234723.26	0.0764	P	1.0
5	☐	125.000	123.980	618255.64	0.1995	P	1.0
6	☐	250.000	242.429	1227298.52	0.3900	P	0.9
7	☐	500.000	502.360	2551950.67	0.8082	A	0.7
8	☐	1000.000	1000.966	5118805.97	1.6103	A	1.2
9	☐			6421.33	0.0021	P	4.1

$$y = 0.0016 * x + 3.1232E-005$$

$$R = 1.0000$$

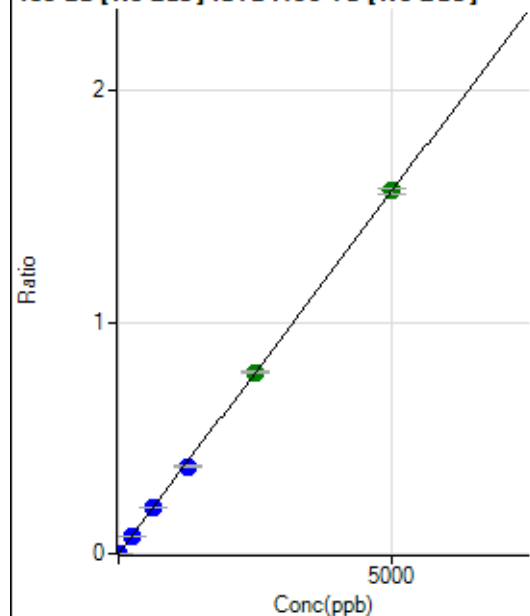
$$DL = 0.01183$$

$$BEC = 0.01941$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	44.45	0.0000	P	47.0
2	☐	1.000					
3	☐	10.000	8.843	8450.30	0.0028	P	0.4
4	☐	250.000	238.703	229378.24	0.0747	P	0.5
5	☐	625.000	628.711	609744.49	0.1967	P	1.4
6	☐	1250.000	1206.113	1187617.23	0.3774	P	0.4
7	☐	2500.000	2504.141	2474290.88	0.7835	A	1.4
8	☐	5000.000	5009.004	4981947.16	1.5673	A	1.7
9	☐			788.96	0.0003	P	8.4

$$y = 3.1290E-004 * x + 1.4687E-005$$

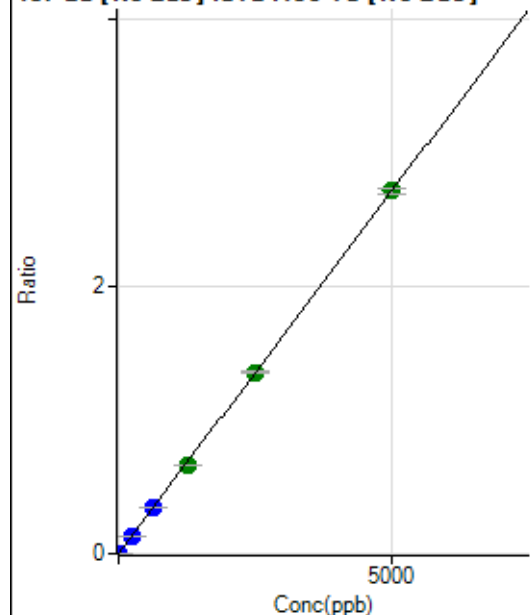
$$R = 1.0000$$

$$DL = 0.06614$$

$$BEC = 0.04694$$

Weight: <None>

Min Conc: 0

¹³⁷Ba [No Gas] ISTD : ¹⁵⁹Tb [No Gas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	61.11	0.0000	P	15.5
2	☐	1.000					
3	☐	10.000	9.256	15301.08	0.0050	P	3.6
4	☐	250.000	239.921	399358.93	0.1301	P	0.9
5	☐	625.000	630.953	1060012.33	0.3420	P	1.6
6	☐	1250.000	1221.663	2083817.34	0.6622	A	0.6
7	☐	2500.000	2499.692	4278566.54	1.3549	A	0.8
8	☐	5000.000	5007.000	8627445.07	2.7140	A	1.3
9	☐			1280.67	0.0004	P	3.6

$$y = 5.4203\text{E-}004 * x + 2.0205\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.01735$$

$$BEC = 0.03728$$

Weight: <None>

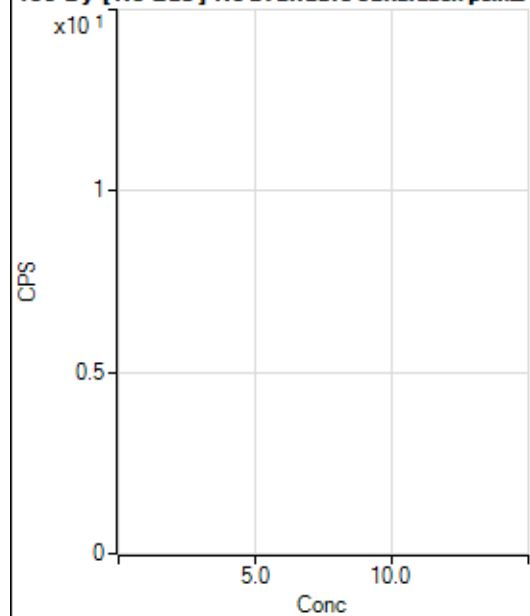
Min Conc: 0

¹⁵⁰Nd [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			15.56		P	65.5
2	☐						
3	☐			8.89		P	114.5
4	☐			22.22		P	17.3
5	☐			40.00		P	16.7
6	☐			62.23		P	12.4
7	☐			111.12		P	3.5
8	☐			164.45		P	16.4
9	☐			48.89		P	7.9

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			2.22		P	173.2
5	☐			1.11		P	173.2
6	☐			5.56		P	91.6
7	☐			2.22		P	86.6
8	☐			13.33		P	43.3
9	☐			17.78		P	60.3

156 Dy [No Gas] No available calibration points

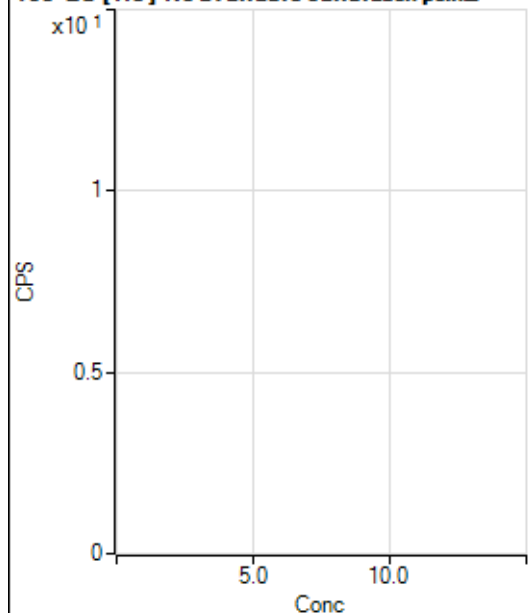
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			36.11		P	35.2
2	☐						
3	☐			30.56		P	41.7
4	☐			41.67		P	34.7
5	☐			30.56		P	41.7
6	☐			22.22		P	94.4
7	☐			58.33		P	37.8
8	☐			102.78		P	33.8
9	☐			72.23		P	26.7

156 Dy [He] No available calibration points

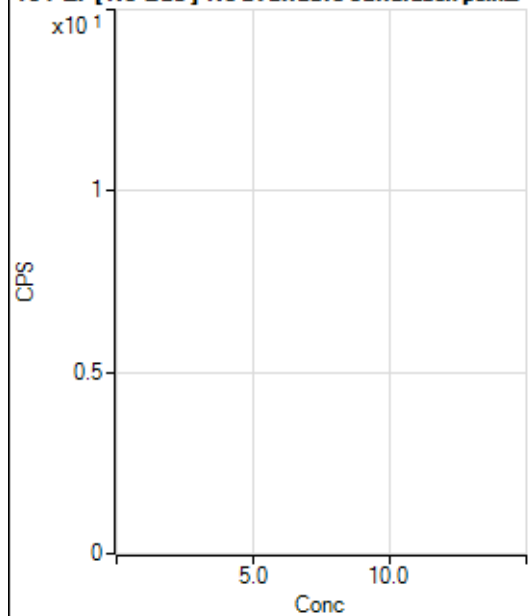
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			3.33		P	100.1
2	☐						
3	☐			1.11		P	173.2
4	☐			1.11		P	173.2
5	☐			0.00		P	
6	☐			0.00		P	
7	☐			3.33		P	100.1
8	☐			10.00		P	66.7
9	☐			16.67		P	72.1

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			25.00		P	33.3
2	☐						
3	☐			27.78		P	124.9
4	☐			27.78		P	45.8
5	☐			13.89		P	69.3
6	☐			25.00		P	66.7
7	☐			38.89		P	12.4
8	☐			47.23		P	20.4
9	☐			55.56		P	31.2

160 Gd [He] No available calibration points

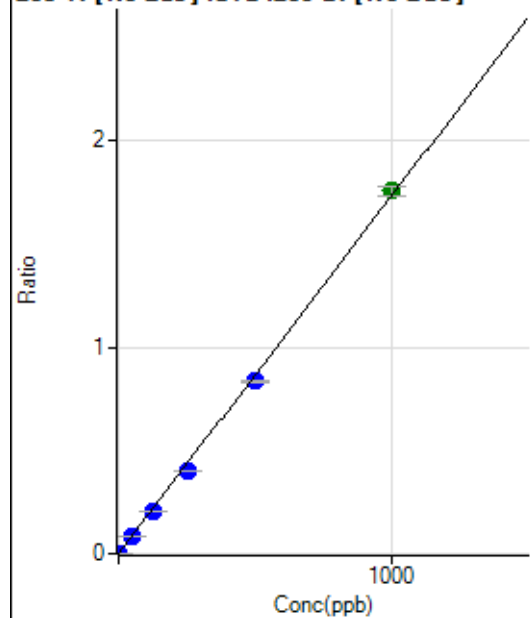
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			6.67		P	0.0
2	☐						
3	☐			3.33		P	100.1
4	☐			1.11		P	173.2
5	☐			3.33		P	100.1
6	☐			7.78		P	107.8
7	☐			15.56		P	12.4
8	☐			12.22		P	63.0
9	☐			16.67		P	52.9

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			16.66		P	86.6
2	☐						
3	☐			33.33		P	43.3
4	☐			19.44		P	89.2
5	☐			36.11		P	35.3
6	☐			13.89		P	69.3
7	☐			27.78		P	34.6
8	☐			38.89		P	65.5
9	☐			33.34		P	25.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.44		P	114.6
2	☐						
3	☐			4.44		P	43.4
4	☐			1.11		P	173.2
5	☐			7.78		P	24.7
6	☐			3.33		P	100.1
7	☐			0.00		P	
8	☐			3.33		P	100.1
9	☐			4.44		P	114.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	144.45	0.0001	P	22.2
2	☐	0.100					
3	☐	1.000	0.874	2661.53	0.0016	P	9.1
4	☐	50.000	46.212	133283.34	0.0802	P	1.3
5	☐	125.000	120.381	352904.83	0.2087	P	0.8
6	☐	250.000	233.259	694725.32	0.4043	P	0.3
7	☐	500.000	481.226	1413799.78	0.8341	P	0.4
8	☐	1000.000	1014.339	2934710.70	1.7580	A	2.8
9	☐			450.03	0.0003	P	9.9

$$y = 0.0017 * x + 8.7925E-005$$

$$R = 0.9996$$

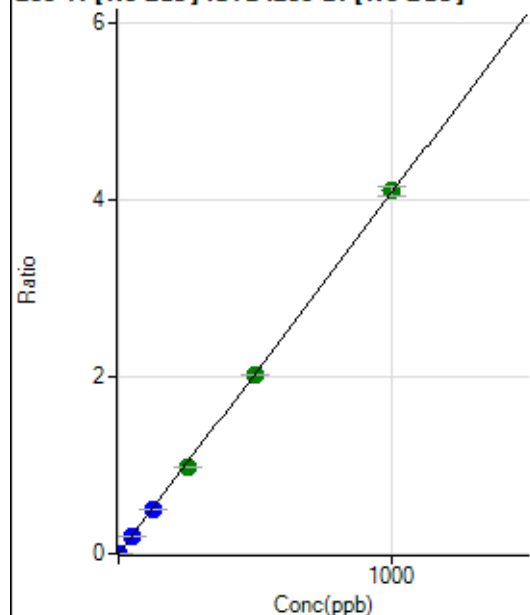
$$DL = 0.03381$$

$$BEC = 0.05073$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	258.35	0.0002	P	26.1
2	☐	0.100					
3	☐	1.000	0.859	6085.10	0.0037	P	2.3
4	☐	50.000	46.735	317245.36	0.1908	P	1.7
5	☐	125.000	121.780	840314.79	0.4970	P	1.7
6	☐	250.000	238.196	1670127.77	0.9720	A	0.8
7	☐	500.000	496.334	3432915.57	2.0253	A	0.6
8	☐	1000.000	1005.350	6848024.98	4.1022	A	2.7
9	☐			950.08	0.0006	P	6.1

$$y = 0.0041 * x + 1.5709E-004$$

$$R = 0.9999$$

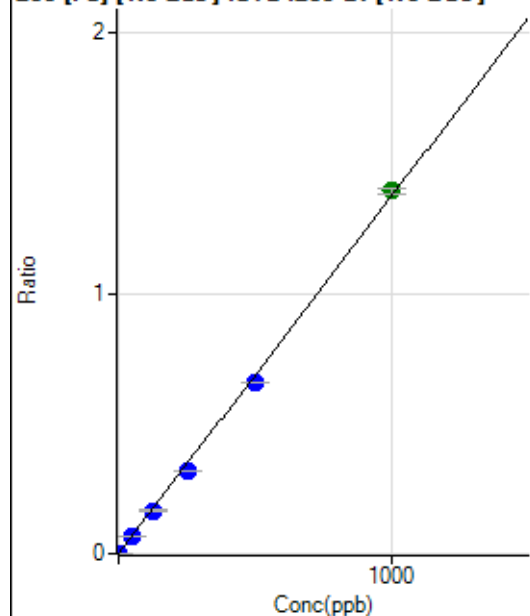
$$DL = 0.03009$$

$$BEC = 0.0385$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	227.79	0.0001	P	12.1
2	☐	0.100					
3	☐	1.000	0.851	2172.48	0.0013	P	1.3
4	☐	50.000	46.857	107240.31	0.0645	P	0.9
5	☐	125.000	120.437	279924.67	0.1656	P	1.8
6	☐	250.000	232.435	548837.47	0.3194	P	0.4
7	☐	500.000	479.732	1117257.14	0.6591	P	0.7
8	☐	1000.000	1015.253	2328654.42	1.3948	A	1.8
9	☐			4754.74	0.0031	P	2.4

$$y = 0.0014 * x + 1.3912E-004$$

$$R = 0.9995$$

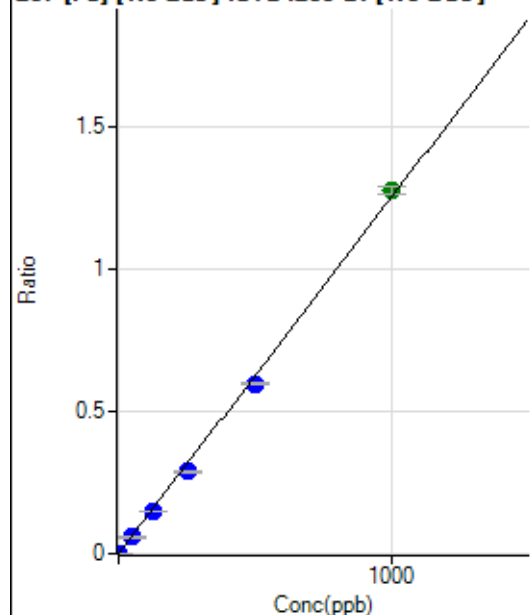
$$DL = 0.03689$$

$$BEC = 0.1013$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	174.08	0.0001	P	7.7
2	☐	0.100					
3	☐	1.000	0.873	1992.82	0.0012	P	11.0
4	☐	50.000	46.266	96475.92	0.0580	P	2.3
5	☐	125.000	119.653	253452.15	0.1499	P	2.3
6	☐	250.000	229.546	494037.94	0.2875	P	0.7
7	☐	500.000	476.088	1010645.17	0.5963	P	1.0
8	☐	1000.000	1017.925	2128114.47	1.2747	A	2.2
9	☐			4076.72	0.0027	P	4.7

$$y = 0.0013 * x + 1.0632E-004$$

$$R = 0.9994$$

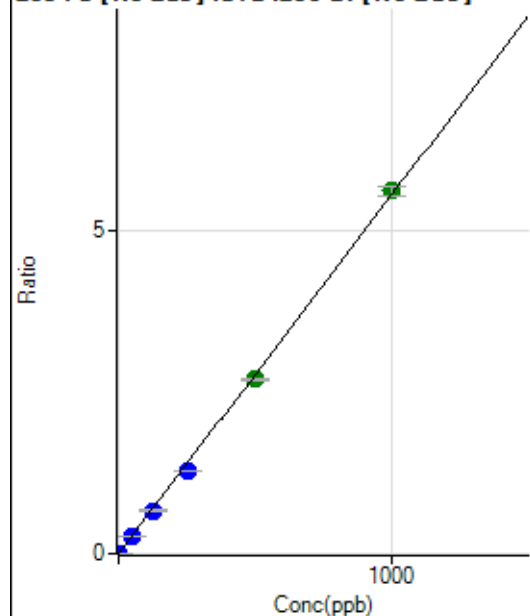
$$DL = 0.01963$$

$$BEC = 0.08491$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	814.85	0.0005	P	7.8
2	☐	0.100					
3	☐	1.000	0.852	8697.74	0.0052	P	4.7
4	☐	50.000	46.549	431311.36	0.2595	P	1.2
5	☐	125.000	120.203	1131273.27	0.6692	P	2.1
6	☐	250.000	231.145	2210203.81	1.2864	P	0.4
7	☐	500.000	487.088	4593726.88	2.7102	A	1.2
8	☐	1000.000	1011.942	9398830.46	5.6300	A	2.4
9	☐			18733.73	0.0123	P	2.1

$$y = 0.0056 * x + 4.9768E-004$$

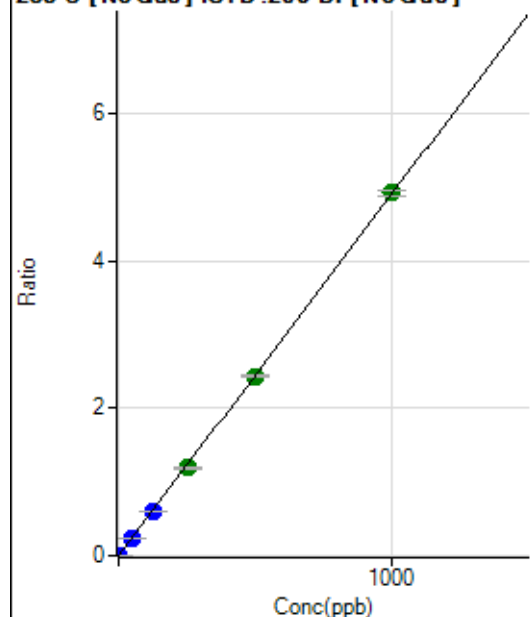
$$R = 0.9997$$

$$DL = 0.02096$$

$$BEC = 0.08946$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	16.67	0.0000	P	52.5
2	☐	0.100					
3	☐	1.000	0.820	6699.36	0.0040	P	2.8
4	☐	50.000	46.452	378702.00	0.2278	P	1.7
5	☐	125.000	121.134	1004338.85	0.5941	P	1.4
6	☐	250.000	242.451	2042924.91	1.1890	A	0.5
7	☐	500.000	496.562	4127732.47	2.4352	A	0.6
8	☐	1000.000	1004.267	8222710.86	4.9251	A	1.6
9	☐			425.03	0.0003	P	18.7

$$y = 0.0049 * x + 1.0245E-005$$

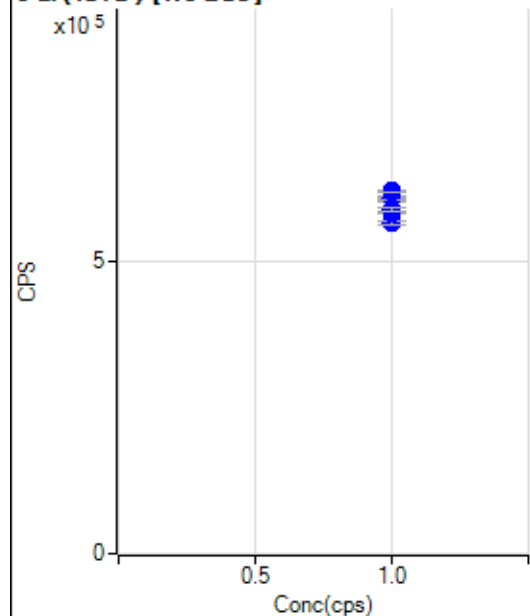
$$R = 1.0000$$

$$DL = 0.003291$$

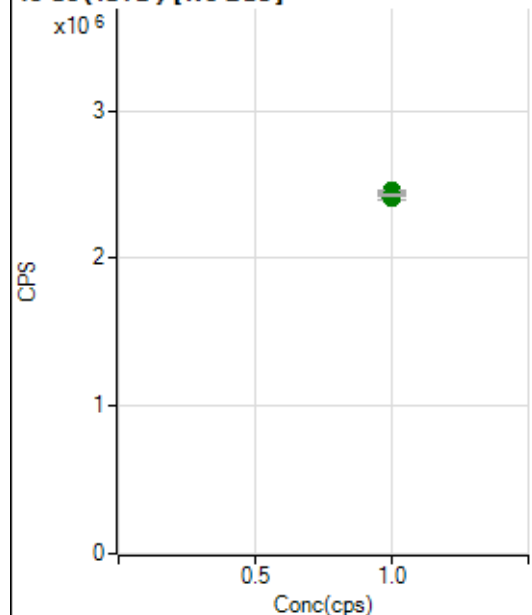
$$BEC = 0.002089$$

Weight: <None>

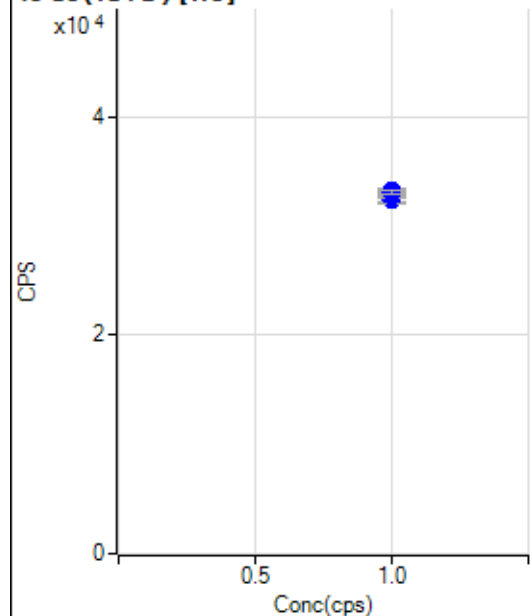
Min Conc: 0

6 Li (ISTD) [No Gas]

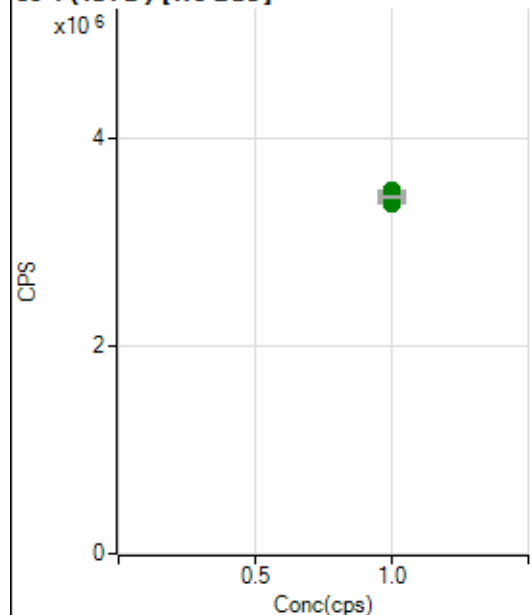
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		565374.79		P	0.9
2	☐	1.000					
3	☐	1.000		582335.03		P	0.4
4	☐	1.000		587276.44		P	0.7
5	☐	1.000		606416.87		P	1.6
6	☐	1.000		619410.64		P	0.4
7	☐	1.000		609526.31		P	0.9
8	☐	1.000		608087.28		P	0.9
9	☐	1.000		617439.19		P	0.4

45 Sc (ISTD) [No Gas]

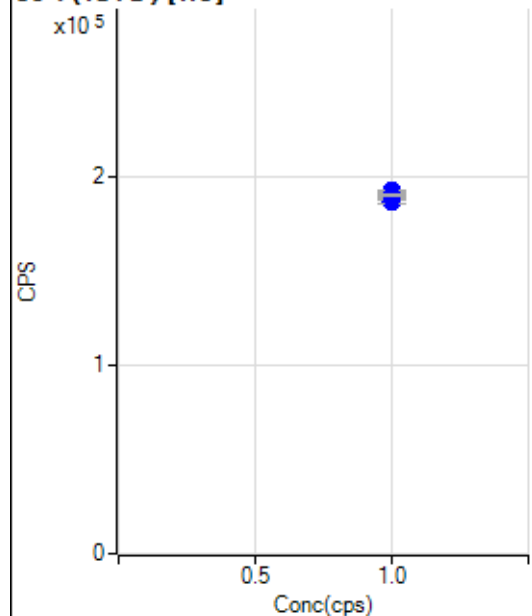
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2437154.01		A	0.8
2	☐	1.000					
3	☐	1.000		2406831.33		A	1.1
4	☐	1.000		2439380.85		A	0.8
5	☐	1.000		2442507.33		A	0.8
6	☐	1.000		2455763.88		A	0.8
7	☐	1.000		2448335.65		A	0.6
8	☐	1.000		2449969.20		A	0.7
9	☐	1.000		2427496.32		A	0.6

45 Sc (ISTD) [He]

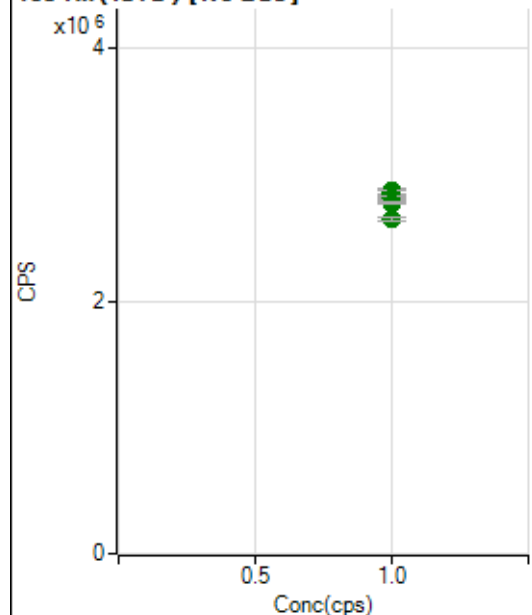
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		32483.25		P	1.4
2	☐	1.000					
3	☐	1.000		32306.16		P	1.6
4	☐	1.000		32805.06		P	0.5
5	☐	1.000		32819.58		P	1.8
6	☐	1.000		33030.16		P	0.9
7	☐	1.000		33199.31		P	1.5
8	☐	1.000		33177.05		P	0.5
9	☐	1.000		33095.82		P	0.9

89 Y (ISTD) [No Gas]

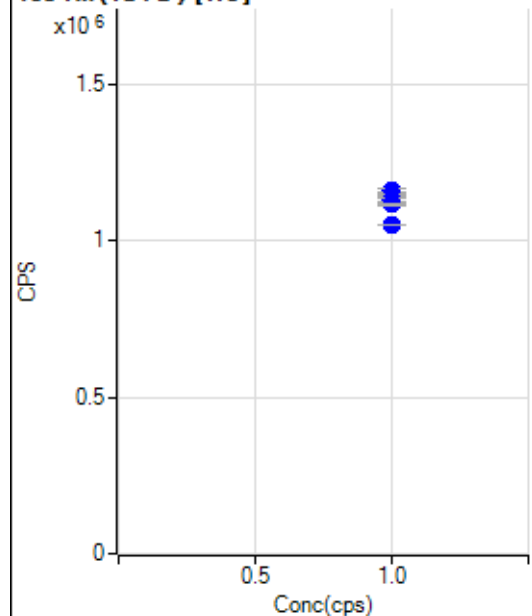
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3419228.11		A	2.1
2	☐	1.000					
3	☐	1.000		3372392.00		A	0.3
4	☐	1.000		3395946.20		A	0.7
5	☐	1.000		3445645.92		A	1.9
6	☐	1.000		3489462.76		A	0.5
7	☐	1.000		3440692.27		A	0.6
8	☐	1.000		3455186.65		A	0.4
9	☐	1.000		3428985.54		A	0.8

89 Y (ISTD) [He]

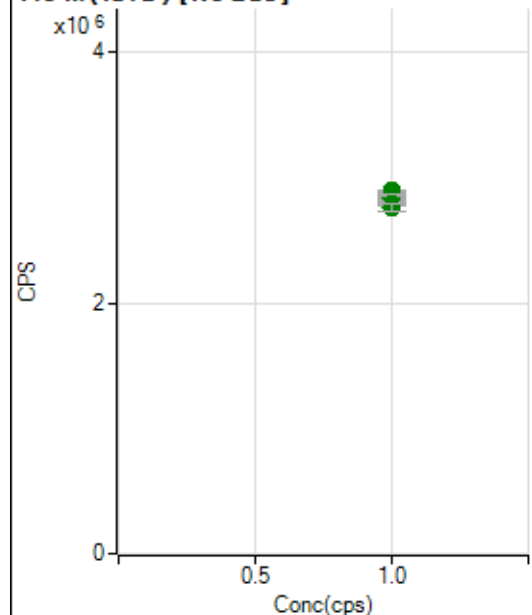
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		187056.94		P	0.8
2	☐	1.000					
3	☐	1.000		188685.50		P	0.3
4	☐	1.000		189873.38		P	1.3
5	☐	1.000		191458.27		P	0.7
6	☐	1.000		191699.52		P	0.6
7	☐	1.000		191471.44		P	0.4
8	☐	1.000		192742.09		P	0.5
9	☐	1.000		190403.90		P	0.3

103 Rh (ISTD) [No Gas]

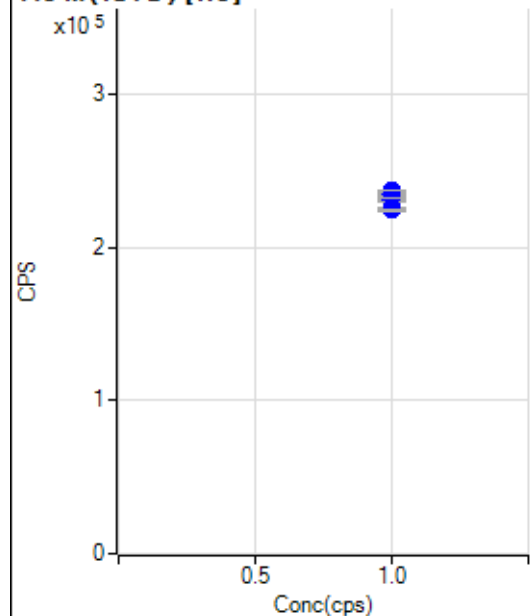
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2872445.96		A	1.8
2	☐	1.000					
3	☐	1.000		2863360.93		A	1.1
4	☐	1.000		2838572.96		A	0.8
5	☐	1.000		2834426.17		A	1.4
6	☐	1.000		2849073.74		A	1.5
7	☐	1.000		2813153.29		A	0.8
8	☐	1.000		2777915.92		A	0.4
9	☐	1.000		2645366.46		A	1.4

103 Rh (ISTD) [He]

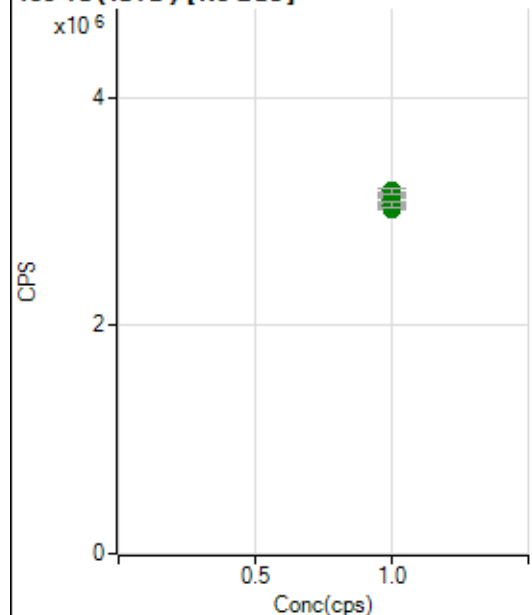
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1149973.45		P	0.7
2	☐	1.000					
3	☐	1.000		1141565.92		P	0.7
4	☐	1.000		1155232.67		P	0.2
5	☐	1.000		1160715.17		P	1.0
6	☐	1.000		1150199.45		P	0.1
7	☐	1.000		1131808.45		P	0.9
8	☐	1.000		1116656.41		P	1.0
9	☐	1.000		1053401.99		P	0.2

115 In (ISTD) [No Gas]

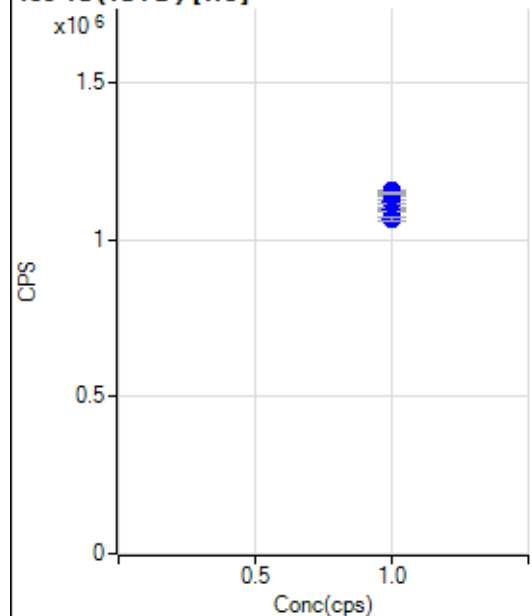
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2858804.47		A	1.7
2	☐	1.000					
3	☐	1.000		2836825.63		A	0.8
4	☐	1.000		2872931.33		A	1.3
5	☐	1.000		2879397.48		A	0.6
6	☐	1.000		2896038.71		A	0.9
7	☐	1.000		2866643.93		A	0.5
8	☐	1.000		2789397.02		A	1.3
9	☐	1.000		2762911.26		A	1.9

115 In (ISTD) [He]

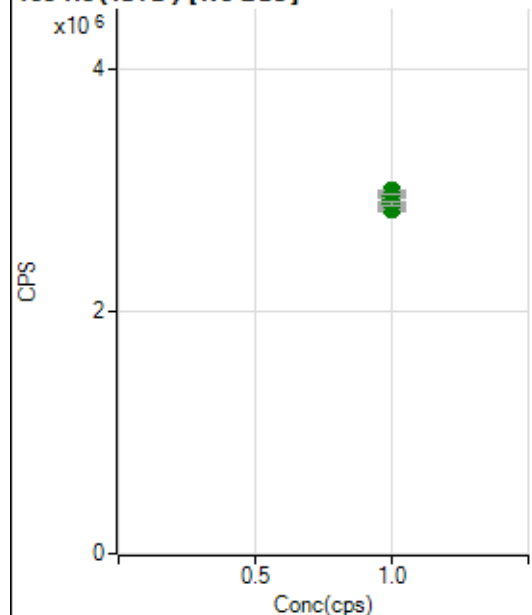
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		232721.43		P	0.9
2	☐	1.000					
3	☐	1.000		231837.42		P	1.3
4	☐	1.000		235525.13		P	0.7
5	☐	1.000		236670.97		P	0.8
6	☐	1.000		235171.41		P	1.2
7	☐	1.000		231373.73		P	1.1
8	☐	1.000		225194.71		P	0.6
9	☐	1.000		224234.85		P	0.8

159 Tb (ISTD) [No Gas]

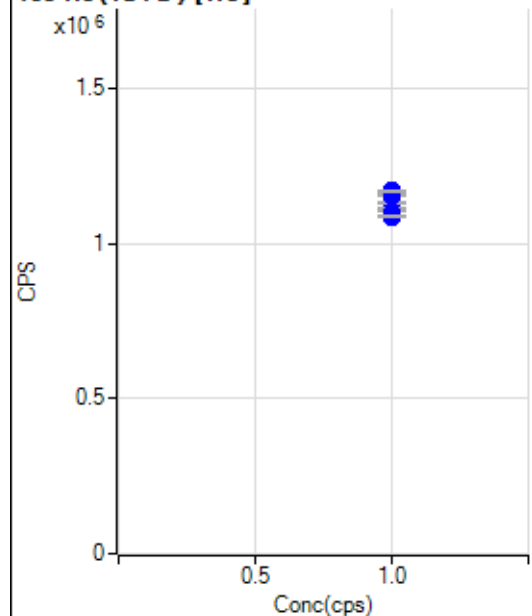
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3023921.76		A	0.3
2	☐	1.000					
3	☐	1.000		3037767.14		A	0.7
4	☐	1.000		3070487.63		A	0.3
5	☐	1.000		3099728.95		A	1.4
6	☐	1.000		3146899.29		A	1.0
7	☐	1.000		3157770.54		A	0.4
8	☐	1.000		3179224.85		A	1.7
9	☐	1.000		3058453.05		A	1.5

159 Tb (ISTD) [He]

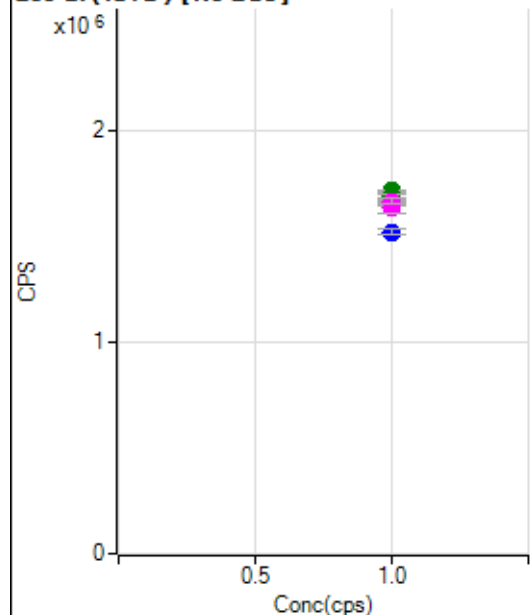
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1096531.13		P	0.6
2	☐	1.000					
3	☐	1.000		1095178.44		P	0.8
4	☐	1.000		1118329.08		P	1.0
5	☐	1.000		1140774.37		P	0.4
6	☐	1.000		1145192.04		P	0.5
7	☐	1.000		1154473.77		P	0.7
8	☐	1.000		1146846.96		P	0.5
9	☐	1.000		1066980.98		P	1.0

165 Ho (ISTD) [No Gas]

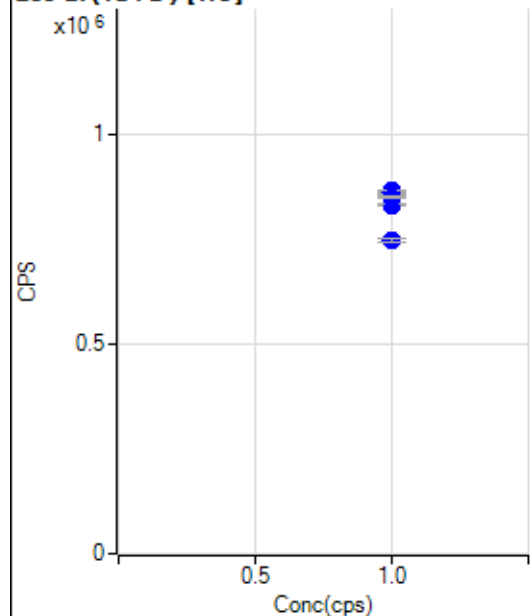
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		2853106.34		A	1.7
2	☐	1.000					
3	☐	1.000		2849831.94		A	0.5
4	☐	1.000		2890735.96		A	0.6
5	☐	1.000		2919220.12		A	2.2
6	☐	1.000		2977758.01		A	1.4
7	☐	1.000		2996294.01		A	0.4
8	☐	1.000		2960672.57		A	1.0
9	☐	1.000		2890555.55		A	1.6

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1106231.31		P	0.4
2	☐	1.000					
3	☐	1.000		1115529.36		P	0.4
4	☐	1.000		1133840.91		P	0.6
5	☐	1.000		1155561.32		P	0.4
6	☐	1.000		1160236.45		P	0.9
7	☐	1.000		1162156.48		P	0.5
8	☐	1.000		1169408.22		P	0.2
9	☐	1.000		1087400.68		P	0.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1639706.83		M	3.0
2	☐	1.000					
3	☐	1.000		1661482.81		M	1.6
4	☐	1.000		1662560.48		A	1.3
5	☐	1.000		1690931.59		M	2.0
6	☐	1.000		1718169.96		A	0.3
7	☐	1.000		1695060.22		A	0.7
8	☐	1.000		1669878.64		M	1.7
9	☐	1.000		1524292.42		P	1.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		831957.18		P	0.9
2	☐	1.000					
3	☐	1.000		834991.86		P	0.4
4	☐	1.000		851597.26		P	1.0
5	☐	1.000		861505.29		P	0.3
6	☐	1.000		865564.28		P	0.3
7	☐	1.000		860911.40		P	1.1
8	☐	1.000		850941.65		P	0.2
9	☐	1.000		747874.36		P	1.3

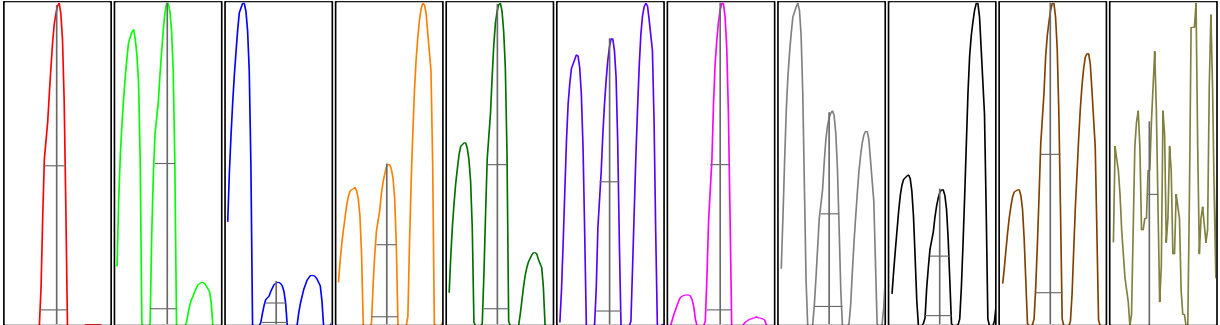
US EPA Tune Check Sample Report

Batch Folder D:\P8030119-MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	4241	1.55	5.00	
24	46232	0.72	5.00	
25	6277	0.94	5.00	
26	7360	0.85	5.00	
59	33729	0.63	5.00	
113	3709	1.46	5.00	
115	44084	1.16	5.00	
206	7560	1.13	5.00	
207	6975	1.34	5.00	
208	16278	0.82	5.00	
220	2	17.54		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	4150	4260	4266	4324	4208
24	45787	46272	46381	46671	46048
25	6220	6273	6294	6367	6230
26	7333	7377	7344	7456	7289
59	33443	33736	33845	34002	33616
113	3635	3731	3712	3782	3688
115	43461	43811	44064	44830	44256
206	7439	7590	7574	7671	7526
207	6861	6934	6946	7102	7034
208	16133	16280	16177	16473	16329
220	2	1	2	2	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	7695	9.00	8.9 - 9.1		0.773	0.900	
24	84119	24.00	23.9 - 24.1		0.737	0.900	
25	11283	24.95	24.9 - 25.1		0.740	0.900	
26	13222	25.95	25.9 - 26.1		0.736	0.900	
59	63020	58.95	58.9 - 59.1		0.731	0.900	
113	7386	113.00	112.9 - 113.1		0.723	0.900	
115	86021	115.00	114.9 - 115.1		0.730	0.900	
206	14162	205.95	205.9 - 206.1		0.776	0.900	
207	12912	206.95	206.9 - 207.1		0.735	0.900	
208	30572	207.95	207.9 - 208.1		0.747	0.900	
220	2	219.65	-				

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	10.5	V	Deflect	14.8	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	6167	1.11	
89	2731	1.23	
205	6552	1.31	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	6207	6053	6177	6170	6231
89	2772	2685	2749	2713	2738
205	6557	6404	6588	6589	6622

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	10.5	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 :	LB101127	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:18:43	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.55	-0.16	-0.39	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.09	-0.05	-0.04	0.00	N/A	ppb
Barium	135-1	0.00	-0.02	0.02	0.00	N/A	ppb
Barium	137-1	0.00	-0.01	0.00	0.00	N/A	ppb
Beryllium	9-1	-0.02	0.03	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	11-1	0.02	0.00	-0.02	0.00	N/A	ppb
Boron	10-1	-0.03	0.19	-0.15	0.00	N/A	ppb
Cadmium	106-1	-0.80	1.13	-0.33	0.00	N/A	ppb
Cadmium	108-1	0.05	-0.05	0.00	0.00	N/A	ppb
Cadmium	111-1	-0.06	0.09	-0.02	0.00	N/A	ppb
Calcium	43-1	1.47	-0.77	-0.70	0.00	N/A	ppb
Calcium	44-1	-1.51	1.48	0.03	0.00	N/A	ppb
Chromium	52-2	0.11	-0.09	-0.03	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.02	0.00	-0.02	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.05	-0.31	0.26	0.00	N/A	ppb
Iron	57-2	0.26	-1.04	0.78	0.00	N/A	ppb
Krypton	83-1						cps
Lead	207-1	0.00	0.01	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.01	-0.01	0.00	N/A	ppb
Lead	206-1	-0.01	0.01	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-2.31	2.48	-0.17	0.00	N/A	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:18:43	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.02	-0.01	0.03	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.01	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	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	-0.03	0.01	0.02	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	-0.03	-0.03	0.00	N/A	ppb
Phosphorus	31-2	-58.80	-26.18	-47.86	-44.28		ppb
Potassium	39-2	10.96	-10.07	-0.89	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	4.57	-5.65	1.09	0.00	N/A	ppb
Selenium	78-2	-0.91	0.74	0.17	0.00	N/A	ppb
Selenium	82-1	-0.30	1.43	-1.13	0.00	N/A	ppb
Silicon	28-1	-0.39	1.69	-1.30	0.00	N/A	ppb
Silver	109-1	0.00	0.01	0.00	0.00	N/A	ppb
Silver	107-1	0.01	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	3.68	0.13	-3.81	0.00	N/A	ppb
Strontium	86-1	0.07	-0.08	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-424.55	-185.63	-627.96	-412.71		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	-0.01	0.00	0.01	0.00	N/A	ppb
Thallium	205-1	0.01	-0.01	0.00	0.00	N/A	ppb
Tin	118-1	-0.02	0.02	0.00	0.00	N/A	ppb
Titanium	47-1	0.05	-0.01	-0.04	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.03	-0.01	0.04	0.00	N/A	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:18:43	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	0.00	0.00	0.00	N/A	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:26:18	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13.20	16.41	18.45	16.02	16.52	ppb
Antimony	121-1	1.67	1.80	1.68	1.72	4.16	ppb
Arsenic	75-2	0.99	0.88	0.68	0.85	18.61	ppb
Barium	135-1	8.88	8.84	8.81	8.84	0.38	ppb
Barium	137-1	8.87	9.41	9.48	9.26	3.59	ppb
Beryllium	9-1	0.92	0.94	0.84	0.90	6.04	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Boron	11-1	21.90	22.65	23.32	22.62	3.15	ppb
Boron	10-1	21.43	20.86	25.35	22.55	10.83	ppb
Cadmium	106-1	1.46	1.81	0.78	1.35	38.89	ppb
Cadmium	108-1	0.99	0.80	0.99	0.93	11.70	ppb
Cadmium	111-1	0.97	0.95	0.88	0.93	4.95	ppb
Calcium	43-1	428.87	455.80	421.77	435.48	4.12	ppb
Calcium	44-1	444.64	447.04	446.26	445.98	0.27	ppb
Chromium	52-2	1.95	1.88	1.83	1.89	3.37	ppb
Cobalt	59-2	0.79	0.89	0.96	0.88	9.42	ppb
Copper	63-2	1.82	1.95	1.71	1.83	6.52	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				100		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	48.54	50.46	51.27	50.09	2.79	ppb
Iron	57-2	41.80	51.34	59.23	50.79	17.18	ppb
Krypton	83-1						cps
Lead	207-1	0.76	0.89	0.97	0.87	12.06	ppb
Lead	208-1	0.80	0.89	0.87	0.85	5.24	ppb
Lead	206-1	0.84	0.87	0.84	0.85	1.48	ppb
Lithium	6-1				103		%
Magnesium	24-2	463.45	474.99	475.82	471.42	1.47	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:26:18	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.89	1.12	1.05	1.02	11.84	ppb
Molybdenum	94-1	4.16	4.40	4.34	4.30	2.97	ppb
Molybdenum	95-1	4.33	4.31	4.61	4.42	3.81	ppb
Molybdenum	96-1	4.26	4.47	4.61	4.44	3.95	ppb
Molybdenum	97-1	4.79	4.41	4.21	4.47	6.63	ppb
Molybdenum	98-1	4.41	4.41	4.29	4.37	1.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	1.04	0.97	0.98	5.00	ppb
Phosphorus	31-2	60.71	30.26	41.87	44.28	34.70	ppb
Potassium	39-2	462.45	478.58	456.31	465.78	2.47	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	77-2	4.44	4.43	-5.65	1.07	543.12	ppb
Selenium	78-2	6.66	7.18	5.60	6.48	12.41	ppb
Selenium	82-1	3.42	3.21	4.02	3.55	11.83	ppb
Silicon	28-1	12.27	14.03	10.91	12.40	12.59	ppb
Silver	109-1	0.97	0.98	1.01	0.99	2.26	ppb
Silver	107-1	0.93	0.98	0.91	0.94	3.84	ppb
Sodium	23-2	432.30	460.34	458.72	450.45	3.50	ppb
Strontium	86-1	0.71	0.83	0.72	0.75	8.54	ppb
Strontium	88-1	0.77	0.77	0.78	0.77	1.06	ppb
Sulfur	34-1	318.66	819.29	100.19	412.71	89.33	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.83	0.97	0.82	0.87	9.66	ppb
Thallium	205-1	0.88	0.86	0.84	0.86	2.38	ppb
Tin	118-1	4.62	4.70	4.67	4.66	0.90	ppb
Titanium	47-1	4.65	4.47	4.43	4.52	2.54	ppb
Uranium	238-1	0.84	0.83	0.79	0.82	2.83	ppb
Vanadium	51-2	4.60	4.87	5.06	4.84	4.85	ppb
Yttrium	89-1				99		%
Yttrium	89-2				101		%
Zinc	66-2	1.93	2.09	1.90	1.97	5.11	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:26:18	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.83	0.87	0.83	0.84	2.74	ppb
Zirconium	91-1	0.80	0.91	0.85	0.86	6.09	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:30:15 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	940.13	933.08	964.19	945.80	1.73	ppb
Antimony	121-1	47.90	47.65	46.95	47.50	1.04	ppb
Arsenic	75-2	50.36	48.93	47.27	48.85	3.16	ppb
Barium	135-1	238.35	240.06	237.70	238.70	0.51	ppb
Barium	137-1	237.50	240.87	241.39	239.92	0.88	ppb
Beryllium	9-1	47.56	48.21	48.26	48.01	0.82	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Boron	11-1	47.46	46.18	47.91	47.18	1.91	ppb
Boron	10-1	48.00	47.31	48.02	47.77	0.84	ppb
Cadmium	106-1	53.54	46.33	50.56	50.14	7.22	ppb
Cadmium	108-1	48.95	48.33	47.33	48.20	1.69	ppb
Cadmium	111-1	49.38	48.68	48.59	48.88	0.88	ppb
Calcium	43-1	4701.91	4714.98	4726.79	4714.56	0.26	ppb
Calcium	44-1	4767.10	4760.60	4792.95	4773.55	0.36	ppb
Chromium	52-2	49.13	48.22	50.43	49.26	2.26	ppb
Cobalt	59-2	48.84	49.01	49.78	49.21	1.02	ppb
Copper	63-2	98.39	96.88	99.66	98.31	1.42	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				101		%
Iron	56-2	2521.72	2505.79	2557.89	2528.47	1.06	ppb
Iron	57-2	2473.17	2506.66	2549.62	2509.82	1.53	ppb
Krypton	83-1						cps
Lead	207-1	47.04	45.04	46.72	46.27	2.33	ppb
Lead	208-1	46.97	45.89	46.79	46.55	1.24	ppb
Lead	206-1	47.29	46.78	46.50	46.86	0.86	ppb
Lithium	6-1				104		%
Magnesium	24-2	4886.46	4820.47	4953.39	4886.77	1.36	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:30:15	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	95.80	95.76	98.60	96.72	1.68	ppb
Molybdenum	94-1	234.96	240.70	236.15	237.27	1.28	ppb
Molybdenum	95-1	234.36	240.03	237.66	237.35	1.20	ppb
Molybdenum	96-1	233.50	238.60	234.93	235.68	1.12	ppb
Molybdenum	97-1	237.48	238.44	241.90	239.27	0.97	ppb
Molybdenum	98-1	238.69	238.88	240.16	239.24	0.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	49.81	49.80	50.74	50.11	1.08	ppb
Phosphorus	31-2	962.62	863.42	828.94	885.00	7.84	ppb
Potassium	39-2	2428.36	2371.40	2410.98	2403.58	1.21	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	45.28	61.01	40.76	49.02	21.69	ppb
Selenium	78-2	43.23	55.26	50.17	49.55	12.18	ppb
Selenium	82-1	47.50	48.61	45.62	47.25	3.19	ppb
Silicon	28-1	66.44	64.71	68.59	66.58	2.92	ppb
Silver	109-1	48.76	48.85	48.67	48.76	0.18	ppb
Silver	107-1	49.16	48.68	49.03	48.96	0.50	ppb
Sodium	23-2	4762.46	4822.56	4863.79	4816.27	1.06	ppb
Strontium	86-1	46.69	48.22	47.58	47.50	1.61	ppb
Strontium	88-1	47.55	47.47	47.30	47.44	0.27	ppb
Sulfur	34-1	1436.97	659.74	1065.75	1054.15	36.88	ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	46.67	45.53	46.44	46.21	1.30	ppb
Thallium	205-1	47.49	45.90	46.81	46.74	1.71	ppb
Tin	118-1	47.52	47.82	47.60	47.65	0.33	ppb
Titanium	47-1	236.48	232.53	237.55	235.52	1.12	ppb
Uranium	238-1	47.23	45.69	46.44	46.45	1.66	ppb
Vanadium	51-2	48.43	47.54	47.88	47.95	0.94	ppb
Yttrium	89-1				99		%
Yttrium	89-2				102		%
Zinc	66-2	95.21	95.49	94.57	95.09	0.50	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:30:15	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	48.65	48.69	48.74	48.69	0.09	ppb
Zirconium	91-1	48.25	48.75	47.47	48.16	1.34	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:34:10	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2435.17	2489.72	2372.53	2432.47	2.41	ppb
Antimony	121-1	124.80	124.58	122.57	123.98	0.99	ppb
Arsenic	75-2	124.10	127.22	124.82	125.38	1.30	ppb
Barium	135-1	635.76	631.49	618.88	628.71	1.40	ppb
Barium	137-1	641.82	628.85	622.19	630.95	1.58	ppb
Beryllium	9-1	127.07	122.65	121.54	123.75	2.36	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Boron	11-1	123.45	121.75	120.74	121.98	1.12	ppb
Boron	10-1	123.09	124.76	125.99	124.61	1.17	ppb
Cadmium	106-1	129.28	125.55	123.52	126.12	2.31	ppb
Cadmium	108-1	126.06	125.65	119.20	123.64	3.11	ppb
Cadmium	111-1	128.43	128.12	124.87	127.14	1.55	ppb
Calcium	43-1	12300.40	12295.67	12173.80	12256.62	0.59	ppb
Calcium	44-1	12282.16	12297.36	12167.73	12249.08	0.58	ppb
Chromium	52-2	129.64	128.20	125.21	127.68	1.77	ppb
Cobalt	59-2	126.97	128.41	124.23	126.54	1.68	ppb
Copper	63-2	258.88	259.26	252.17	256.77	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	6571.74	6512.35	6436.91	6507.00	1.04	ppb
Iron	57-2	6620.43	6547.69	6392.46	6520.19	1.79	ppb
Krypton	83-1						cps
Lead	207-1	122.79	118.75	117.42	119.65	2.33	ppb
Lead	208-1	122.98	119.42	118.21	120.20	2.07	ppb
Lead	206-1	122.88	119.66	118.76	120.44	1.80	ppb
Lithium	6-1				107		%
Magnesium	24-2	12880.65	12771.65	12472.93	12708.41	1.66	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:34:10 DataFile Name : 007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	258.28	255.05	252.58	255.30	1.12	ppb
Molybdenum	94-1	618.48	609.42	603.60	610.50	1.23	ppb
Molybdenum	95-1	632.72	620.14	607.74	620.20	2.01	ppb
Molybdenum	96-1	633.73	624.80	615.61	624.71	1.45	ppb
Molybdenum	97-1	627.20	616.33	604.15	615.89	1.87	ppb
Molybdenum	98-1	631.81	631.56	611.72	625.03	1.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	133.27	130.10	127.41	130.26	2.25	ppb
Phosphorus	31-2	2340.97	2216.50	2554.43	2370.63	7.21	ppb
Potassium	39-2	6304.12	6271.80	6165.85	6247.26	1.16	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	116.32	104.61	143.83	121.59	16.56	ppb
Selenium	78-2	130.83	130.48	129.72	130.35	0.44	ppb
Selenium	82-1	125.59	124.49	124.59	124.89	0.49	ppb
Silicon	28-1	166.39	166.44	184.44	172.42	6.03	ppb
Silver	109-1	129.30	127.66	125.36	127.44	1.55	ppb
Silver	107-1	127.84	126.01	125.50	126.45	0.97	ppb
Sodium	23-2	12998.73	12923.21	12616.19	12846.04	1.58	ppb
Strontium	86-1	124.99	124.32	121.78	123.70	1.37	ppb
Strontium	88-1	127.82	126.83	124.18	126.28	1.49	ppb
Sulfur	34-1	2561.71	2966.79	2244.11	2590.87	13.98	ppb
Terbium	159-1				103		%
Terbium	159-2				104		%
Thallium	203-1	121.28	119.38	120.48	120.38	0.79	ppb
Thallium	205-1	124.12	120.09	121.13	121.78	1.72	ppb
Tin	118-1	127.00	124.43	122.60	124.67	1.77	ppb
Titanium	47-1	619.34	625.90	620.07	621.77	0.58	ppb
Uranium	238-1	123.00	120.79	119.61	121.13	1.42	ppb
Vanadium	51-2	125.75	124.92	123.05	124.57	1.11	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	253.73	256.52	244.86	251.70	2.42	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:34:10	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	125.79	124.24	122.51	124.18	1.32	ppb
Zirconium	91-1	125.48	121.80	121.94	123.07	1.70	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:38:03 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4645.18	4785.41	4588.76	4673.12	2.17	ppb
Antimony	121-1	244.12	239.88	243.29	242.43	0.93	ppb
Arsenic	75-2	241.55	241.54	235.86	239.65	1.37	ppb
Barium	135-1	1205.46	1202.19	1210.70	1206.11	0.36	ppb
Barium	137-1	1215.31	1220.11	1229.57	1221.66	0.59	ppb
Beryllium	9-1	237.46	235.18	236.55	236.40	0.49	ppb
Bismuth	209-1				105		%
Bismuth	209-2				104		%
Boron	11-1	233.28	232.60	234.67	233.52	0.45	ppb
Boron	10-1	233.96	234.04	233.41	233.81	0.15	ppb
Cadmium	106-1	244.59	245.67	246.27	245.51	0.35	ppb
Cadmium	108-1	242.80	251.45	248.31	247.52	1.77	ppb
Cadmium	111-1	244.03	242.42	244.09	243.51	0.39	ppb
Calcium	43-1	23174.05	23559.50	23679.56	23471.04	1.13	ppb
Calcium	44-1	23103.52	23148.16	23626.16	23292.61	1.24	ppb
Chromium	52-2	242.34	244.06	242.63	243.01	0.38	ppb
Cobalt	59-2	242.54	244.85	241.25	242.88	0.75	ppb
Copper	63-2	486.66	488.02	489.07	487.92	0.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	12312.48	12527.85	12244.91	12361.75	1.20	ppb
Iron	57-2	12375.62	12559.19	12471.11	12468.64	0.74	ppb
Krypton	83-1						cps
Lead	207-1	227.71	229.80	231.13	229.55	0.75	ppb
Lead	208-1	230.32	232.16	230.95	231.14	0.41	ppb
Lead	206-1	231.88	233.54	231.88	232.43	0.41	ppb
Lithium	6-1				110		%
Magnesium	24-2	24173.67	24274.61	24002.73	24150.34	0.57	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:38:03	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	473.34	483.98	475.30	477.54	1.19	ppb
Molybdenum	94-1	1196.11	1235.07	1188.39	1206.52	2.07	ppb
Molybdenum	95-1	1203.18	1196.85	1190.91	1196.98	0.51	ppb
Molybdenum	96-1	1199.42	1190.08	1188.55	1192.68	0.49	ppb
Molybdenum	97-1	1193.52	1192.62	1191.37	1192.50	0.09	ppb
Molybdenum	98-1	1195.58	1190.85	1183.31	1189.91	0.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	247.16	249.04	244.32	246.84	0.96	ppb
Phosphorus	31-2	5056.44	4573.88	4805.78	4812.03	5.02	ppb
Potassium	39-2	11806.54	11951.51	11671.15	11809.73	1.19	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	77-2	234.15	220.22	284.31	246.23	13.69	ppb
Selenium	78-2	259.95	234.20	263.52	252.56	6.33	ppb
Selenium	82-1	236.12	236.66	240.47	237.75	1.00	ppb
Silicon	28-1	249.30	265.92	262.46	259.23	3.38	ppb
Silver	109-1	244.26	241.92	245.49	243.89	0.74	ppb
Silver	107-1	245.46	241.28	243.54	243.43	0.86	ppb
Sodium	23-2	24323.06	24971.70	24176.02	24490.26	1.73	ppb
Strontium	86-1	233.51	237.71	235.40	235.54	0.89	ppb
Strontium	88-1	237.08	241.12	240.25	239.49	0.89	ppb
Sulfur	34-1	4833.07	5404.87	5380.92	5206.29	6.21	ppb
Terbium	159-1				104		%
Terbium	159-2				104		%
Thallium	203-1	233.49	233.88	232.41	233.26	0.33	ppb
Thallium	205-1	236.39	238.07	240.13	238.20	0.79	ppb
Tin	118-1	241.38	238.35	242.53	240.75	0.90	ppb
Titanium	47-1	1174.50	1180.23	1201.96	1185.56	1.22	ppb
Uranium	238-1	241.30	243.57	242.48	242.45	0.47	ppb
Vanadium	51-2	239.41	244.38	240.08	241.29	1.12	ppb
Yttrium	89-1				102		%
Yttrium	89-2				102		%
Zinc	66-2	472.72	481.24	478.74	477.57	0.92	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:38:03	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	246.59	251.52	246.93	248.35	1.11	ppb
Zirconium	91-1	238.39	243.35	236.31	239.35	1.51	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:41:49 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9394.67	9638.09	9416.51	9483.09	1.42	ppb
Antimony	121-1	498.59	504.57	503.92	502.36	0.65	ppb
Arsenic	75-2	493.49	499.24	501.36	498.03	0.82	ppb
Barium	135-1	2493.20	2542.11	2477.12	2504.14	1.35	ppb
Barium	137-1	2487.61	2522.13	2489.34	2499.69	0.78	ppb
Beryllium	9-1	492.66	488.27	488.85	489.93	0.49	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	11-1	483.80	489.25	491.53	488.19	0.81	ppb
Boron	10-1	483.86	491.66	499.59	491.70	1.60	ppb
Cadmium	106-1	490.88	512.37	497.33	500.19	2.20	ppb
Cadmium	108-1	484.62	502.94	503.17	496.91	2.14	ppb
Cadmium	111-1	491.94	496.32	495.70	494.65	0.48	ppb
Calcium	43-1	48745.97	48410.40	48689.65	48615.34	0.37	ppb
Calcium	44-1	48321.22	48128.80	48148.91	48199.64	0.22	ppb
Chromium	52-2	491.86	504.26	495.26	497.13	1.29	ppb
Cobalt	59-2	488.00	502.38	490.48	493.62	1.56	ppb
Copper	63-2	996.66	1025.42	985.71	1002.60	2.05	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	24988.29	25950.65	24843.81	25260.92	2.38	ppb
Iron	57-2	25147.73	25971.56	25182.62	25433.97	1.83	ppb
Krypton	83-1						cps
Lead	207-1	479.86	477.48	470.93	476.09	0.97	ppb
Lead	208-1	492.48	488.19	480.59	487.09	1.24	ppb
Lead	206-1	481.87	481.32	476.01	479.73	0.67	ppb
Lithium	6-1				108		%
Magnesium	24-2	49580.64	51780.36	49846.24	50402.41	2.38	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:41:49 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	978.33	1019.21	981.10	992.88	2.30	ppb
Molybdenum	94-1	2442.06	2501.89	2469.44	2471.13	1.21	ppb
Molybdenum	95-1	2447.28	2456.18	2491.93	2465.13	0.96	ppb
Molybdenum	96-1	2445.86	2459.30	2490.51	2465.22	0.93	ppb
Molybdenum	97-1	2473.99	2495.33	2493.35	2487.56	0.47	ppb
Molybdenum	98-1	2469.71	2489.47	2479.40	2479.53	0.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.00	510.28	500.80	501.36	1.73	ppb
Phosphorus	31-2	10546.01	9241.34	10446.81	10078.05	7.21	ppb
Potassium	39-2	23927.09	24942.40	24298.03	24389.17	2.11	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	77-2	450.59	578.23	511.37	513.39	12.44	ppb
Selenium	78-2	464.99	485.77	531.79	494.18	6.92	ppb
Selenium	82-1	489.57	499.93	498.40	495.97	1.13	ppb
Silicon	28-1	495.39	505.19	519.97	506.85	2.44	ppb
Silver	109-1	500.48	506.54	509.51	505.51	0.91	ppb
Silver	107-1	498.67	503.46	505.16	502.43	0.67	ppb
Sodium	23-2	48813.13	50339.99	48666.11	49273.08	1.88	ppb
Strontium	86-1	487.00	492.31	494.37	491.23	0.77	ppb
Strontium	88-1	495.84	500.99	490.47	495.77	1.06	ppb
Sulfur	34-1	11422.16	11523.54	12011.92	11652.54	2.71	ppb
Terbium	159-1				104		%
Terbium	159-2				105		%
Thallium	203-1	482.36	482.20	479.12	481.23	0.38	ppb
Thallium	205-1	498.89	496.69	493.42	496.33	0.55	ppb
Tin	118-1	488.58	495.08	503.71	495.79	1.53	ppb
Titanium	47-1	2517.82	2500.25	2495.63	2504.57	0.47	ppb
Uranium	238-1	498.39	498.12	493.17	496.56	0.59	ppb
Vanadium	51-2	489.17	505.18	489.69	494.68	1.84	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	982.22	1018.10	991.17	997.16	1.87	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:41:49	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	502.00	506.62	496.93	501.85	0.96	ppb
Zirconium	91-1	489.02	491.65	493.61	491.43	0.47	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:45:31 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19298.62	19272.48	19181.89	19251.00	0.32	ppb
Antimony	121-1	999.54	1014.07	989.29	1000.97	1.24	ppb
Arsenic	75-2	1002.65	1007.40	1000.70	1003.58	0.34	ppb
Barium	135-1	4925.57	5092.01	5009.44	5009.00	1.66	ppb
Barium	137-1	4933.99	5047.21	5039.79	5007.00	1.26	ppb
Beryllium	9-1	1002.78	1012.11	1011.18	1008.69	0.51	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Boron	11-1	997.47	1009.80	1024.54	1010.60	1.34	ppb
Boron	10-1	999.81	1006.93	1018.52	1008.42	0.94	ppb
Cadmium	106-1	982.92	1022.96	996.76	1000.88	2.03	ppb
Cadmium	108-1	978.84	1014.21	1014.23	1002.43	2.04	ppb
Cadmium	111-1	988.39	1024.04	999.83	1004.08	1.81	ppb
Calcium	43-1	99055.34	100213.55	101129.67	100132.86	1.04	ppb
Calcium	44-1	98260.08	98382.56	99025.26	98555.97	0.42	ppb
Chromium	52-2	1008.34	995.17	1005.15	1002.89	0.68	ppb
Cobalt	59-2	1015.26	994.08	1005.11	1004.82	1.05	ppb
Copper	63-2	2003.79	2005.37	1993.72	2000.96	0.32	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				104		%
Holmium	165-2				106		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	51047.61	50541.79	51074.59	50888.00	0.59	ppb
Iron	57-2	51918.66	51000.96	51226.08	51381.90	0.93	ppb
Krypton	83-1						cps
Lead	207-1	1007.18	1043.54	1003.05	1017.92	2.19	ppb
Lead	208-1	997.92	1040.45	997.46	1011.94	2.44	ppb
Lead	206-1	1010.30	1035.11	1000.35	1015.25	1.76	ppb
Lithium	6-1				108		%
Magnesium	24-2	100675.42	99236.43	100252.83	100054.89	0.74	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:45:31 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2014.23	1995.81	2015.98	2008.68	0.56	ppb
Molybdenum	94-1	5038.90	5002.91	5041.45	5027.76	0.43	ppb
Molybdenum	95-1	5035.65	5002.04	5058.08	5031.92	0.56	ppb
Molybdenum	96-1	5011.43	5032.96	5053.02	5032.47	0.41	ppb
Molybdenum	97-1	5038.68	5035.41	4992.72	5022.27	0.51	ppb
Molybdenum	98-1	5011.35	5052.04	5013.98	5025.79	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1002.55	992.62	1003.17	999.45	0.59	ppb
Phosphorus	31-2	19919.85	19726.99	20442.82	20029.89	1.85	ppb
Potassium	39-2	49475.87	48847.39	49715.77	49346.34	0.91	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	77-2	981.70	978.95	1023.58	994.74	2.51	ppb
Selenium	78-2	958.93	1009.38	1036.53	1001.61	3.93	ppb
Selenium	82-1	1001.86	1005.77	1008.07	1005.24	0.31	ppb
Silicon	28-1	993.10	974.28	995.08	987.49	1.16	ppb
Silver	109-1	979.17	1019.74	996.67	998.53	2.04	ppb
Silver	107-1	986.05	1010.45	1004.40	1000.30	1.27	ppb
Sodium	23-2	99827.24	98516.29	98369.30	98904.28	0.81	ppb
Strontium	86-1	1014.18	1010.18	1000.51	1008.29	0.70	ppb
Strontium	88-1	1000.68	1006.12	1007.34	1004.71	0.35	ppb
Sulfur	34-1	18858.32	18445.23	20020.73	19108.09	4.28	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	998.95	1046.73	997.33	1014.34	2.77	ppb
Thallium	205-1	989.74	1036.56	989.75	1005.35	2.69	ppb
Tin	118-1	991.47	1022.20	1000.07	1004.58	1.58	ppb
Titanium	47-1	4993.69	4984.86	5066.30	5014.95	0.89	ppb
Uranium	238-1	994.91	1023.33	994.56	1004.27	1.64	ppb
Vanadium	51-2	1007.40	999.97	1007.62	1005.00	0.43	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	2018.11	2005.23	1997.84	2007.06	0.51	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:45:31	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1009.55	988.75	1000.68	999.66	1.04	ppb
Zirconium	91-1	1007.96	999.26	1014.62	1007.28	0.76	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:49:05 DataFile Name : 011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99596.63	99590.59	101472.97	100220.07	1.08	ppb
Antimony	121-1	1.23	1.30	1.33	1.29	4.13	ppb
Arsenic	75-2	1.47	1.39	1.36	1.41	3.92	ppb
Barium	135-1	0.71	0.78	0.85	0.78	8.87	ppb
Barium	137-1	0.75	0.75	0.70	0.74	3.74	ppb
Beryllium	9-1	0.20	0.19	0.18	0.19	4.01	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Boron	11-1	22.49	20.87	20.54	21.30	4.91	ppb
Boron	10-1	21.68	21.52	18.65	20.61	8.28	ppb
Cadmium	106-1	1.26	2.10	1.27	1.54	30.87	ppb
Cadmium	108-1	0.19	0.25	0.25	0.23	14.17	ppb
Cadmium	111-1	0.16	0.22	0.14	0.17	23.95	ppb
Calcium	43-1	504443.23	497154.70	498994.11	500197.35	0.76	ppb
Calcium	44-1	507621.57	495414.60	498652.24	500562.80	1.26	ppb
Chromium	52-2	8.33	8.13	8.37	8.28	1.52	ppb
Cobalt	59-2	11.31	11.25	11.48	11.35	1.04	ppb
Copper	63-2	6.31	6.03	5.89	6.08	3.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				97		%
Indium	115-2				96		%
Iron	56-2	249902.35	248095.99	251391.19	249796.51	0.66	ppb
Iron	57-2	248493.65	248573.95	251957.21	249674.94	0.79	ppb
Krypton	83-1						cps
Lead	207-1	1.99	2.17	1.99	2.05	4.93	ppb
Lead	208-1	2.08	2.17	2.11	2.12	2.16	ppb
Lead	206-1	2.23	2.12	2.16	2.17	2.48	ppb
Lithium	6-1				109		%
Magnesium	24-2	499014.77	496387.19	504559.68	499987.21	0.83	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:49:05	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.58	7.99	7.99	7.85	3.03	ppb
Molybdenum	94-1	1.81	2.03	1.91	1.92	5.87	ppb
Molybdenum	95-1	2.34	2.32	2.26	2.30	1.79	ppb
Molybdenum	96-1	2.46	2.58	2.41	2.48	3.48	ppb
Molybdenum	97-1	2.24	2.23	2.24	2.24	0.24	ppb
Molybdenum	98-1	2.23	2.34	2.15	2.24	4.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.02	12.84	13.31	13.05	1.81	ppb
Phosphorus	31-2	5.88	16.17	-37.01	-4.98		ppb
Potassium	39-2	248837.00	249704.49	252140.81	250227.43	0.68	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	77-2	-5.65	-2.32	-5.65	-4.54		ppb
Selenium	78-2	2.83	2.30	5.54	3.56	48.82	ppb
Selenium	82-1	1.37	0.65	1.45	1.16	38.37	ppb
Silicon	28-1	27.96	26.64	26.83	27.14	2.63	ppb
Silver	109-1	0.17	0.17	0.18	0.17	4.45	ppb
Silver	107-1	0.19	0.20	0.13	0.17	23.27	ppb
Sodium	23-2	497713.78	497286.74	505931.15	500310.56	0.97	ppb
Strontium	86-1	3.63	3.92	3.77	3.77	3.78	ppb
Strontium	88-1	3.61	3.64	3.57	3.61	0.99	ppb
Sulfur	34-1	-901.93	-791.65	-1044.09	-912.56		ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	0.10	0.12	0.14	0.12	14.14	ppb
Thallium	205-1	0.12	0.11	0.11	0.11	8.19	ppb
Tin	118-1	0.69	0.64	0.61	0.64	6.54	ppb
Titanium	47-1	1.23	1.06	1.06	1.12	8.66	ppb
Uranium	238-1	0.07	0.05	0.05	0.05	19.42	ppb
Vanadium	51-2	0.22	0.22	0.19	0.21	7.40	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	17.02	15.42	16.12	16.19	4.96	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:49:05	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.24	0.24	0.27	0.25	7.60	ppb
Zirconium	91-1	0.27	0.23	0.19	0.23	17.68	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:56:23 DataFile Name : 012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	489.25	469.56	473.03	477.28	2.20	ppb
Antimony	121-1	187.09	182.59	189.93	186.54	1.99	ppb
Arsenic	75-2	188.25	184.27	191.08	187.87	1.82	ppb
Barium	135-1	95.66	94.32	97.83	95.94	1.84	ppb
Barium	137-1	95.98	94.59	96.61	95.73	1.08	ppb
Beryllium	9-1	90.79	90.79	91.95	91.18	0.74	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Boron	11-1	7.00	7.80	6.91	7.24	6.75	ppb
Boron	10-1	7.29	8.26	7.76	7.77	6.24	ppb
Cadmium	106-1	80.67	82.05	79.16	80.63	1.79	ppb
Cadmium	108-1	85.30	86.34	87.44	86.36	1.24	ppb
Cadmium	111-1	95.52	96.20	97.61	96.44	1.10	ppb
Calcium	43-1	1825.62	1843.67	1858.00	1842.43	0.88	ppb
Calcium	44-1	1862.78	1859.69	1900.43	1874.30	1.21	ppb
Chromium	52-2	94.03	95.04	93.64	94.24	0.77	ppb
Cobalt	59-2	94.74	95.91	95.58	95.41	0.63	ppb
Copper	63-2	96.03	96.58	96.55	96.39	0.32	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				100		%
Holmium	165-2				102		%
Indium	115-1				100		%
Indium	115-2				103		%
Iron	56-2	963.00	973.99	978.33	971.77	0.81	ppb
Iron	57-2	984.03	951.54	966.23	967.27	1.68	ppb
Krypton	83-1						cps
Lead	207-1	179.37	178.45	177.60	178.48	0.49	ppb
Lead	208-1	184.23	183.68	183.29	183.73	0.26	ppb
Lead	206-1	189.47	188.14	186.43	188.01	0.81	ppb
Lithium	6-1				108		%
Magnesium	24-2	1138.66	1141.92	1183.74	1154.78	2.18	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:56:23	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	92.65	93.25	93.77	93.22	0.60	ppb
Molybdenum	94-1	0.33	0.27	0.30	0.30	9.85	ppb
Molybdenum	95-1	0.27	0.32	0.27	0.29	9.21	ppb
Molybdenum	96-1	0.39	0.32	0.36	0.36	9.40	ppb
Molybdenum	97-1	0.35	0.36	0.36	0.35	1.43	ppb
Molybdenum	98-1	0.31	0.37	0.35	0.34	10.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	96.59	99.36	97.17	97.71	1.50	ppb
Phosphorus	31-2	-58.80	-58.80	-58.80	-58.80		ppb
Potassium	39-2	1928.09	1902.32	2009.10	1946.51	2.86	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	206.27	204.03	155.92	188.74	15.07	ppb
Selenium	78-2	191.14	182.38	191.21	188.24	2.70	ppb
Selenium	82-1	191.40	191.70	186.49	189.87	1.54	ppb
Silicon	28-1	5.00	7.32	7.01	6.44	19.52	ppb
Silver	109-1	96.77	95.98	98.77	97.17	1.48	ppb
Silver	107-1	97.17	96.04	98.54	97.25	1.29	ppb
Sodium	23-2	1983.12	2007.67	1978.48	1989.76	0.79	ppb
Strontium	86-1	2.03	1.86	1.67	1.85	9.60	ppb
Strontium	88-1	1.85	1.91	1.90	1.89	1.61	ppb
Sulfur	34-1	-1451.87	-1737.77	-902.38	-1364.01		ppb
Terbium	159-1				99		%
Terbium	159-2				102		%
Thallium	203-1	186.99	184.48	185.56	185.68	0.68	ppb
Thallium	205-1	190.63	188.91	187.66	189.06	0.79	ppb
Tin	118-1	0.07	0.02	0.05	0.05	51.25	ppb
Titanium	47-1	0.12	0.11	0.11	0.11	6.70	ppb
Uranium	238-1	0.01	0.02	0.03	0.02	28.90	ppb
Vanadium	51-2	93.82	92.99	94.92	93.91	1.03	ppb
Yttrium	89-1				100		%
Yttrium	89-2				104		%
Zinc	66-2	191.39	190.79	186.83	189.67	1.31	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:56:23	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.04	0.02	0.01	0.02	64.28	ppb
Zirconium	91-1	0.11	0.05	0.10	0.09	32.62	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:02:31	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.21	14.05	16.69	15.98	10.59	ppb
Antimony	121-1	1.92	1.86	1.72	1.83	5.59	ppb
Arsenic	75-2	1.04	0.77	1.04	0.95	16.50	ppb
Barium	135-1	9.02	9.34	9.63	9.33	3.29	ppb
Barium	137-1	9.56	9.56	9.26	9.46	1.85	ppb
Beryllium	9-1	0.92	0.95	0.89	0.92	3.25	ppb
Bismuth	209-1				99		%
Bismuth	209-2				100		%
Boron	11-1	25.29	26.28	26.08	25.88	2.02	ppb
Boron	10-1	24.88	24.31	25.67	24.95	2.73	ppb
Cadmium	106-1	2.78	0.99	0.27	1.34	96.19	ppb
Cadmium	108-1	0.97	0.76	1.11	0.95	18.48	ppb
Cadmium	111-1	1.14	0.90	0.93	0.99	13.07	ppb
Calcium	43-1	427.54	427.61	445.61	433.58	2.40	ppb
Calcium	44-1	456.59	465.78	458.00	460.12	1.08	ppb
Chromium	52-2	1.84	1.80	1.71	1.78	3.77	ppb
Cobalt	59-2	1.02	0.86	0.83	0.90	11.22	ppb
Copper	63-2	1.87	1.98	1.92	1.92	2.88	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				101		%
Indium	115-1				99		%
Indium	115-2				102		%
Iron	56-2	47.27	47.18	48.72	47.73	1.81	ppb
Iron	57-2	47.58	48.44	51.66	49.23	4.37	ppb
Krypton	83-1						cps
Lead	207-1	0.87	1.02	0.91	0.93	8.12	ppb
Lead	208-1	0.94	1.00	0.93	0.96	3.85	ppb
Lead	206-1	1.01	0.98	0.98	0.99	1.90	ppb
Lithium	6-1				105		%
Magnesium	24-2	467.80	467.49	489.14	474.81	2.61	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:02:31	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.84	0.94	1.08	0.95	12.81	ppb
Molybdenum	94-1	4.39	4.36	4.30	4.35	1.02	ppb
Molybdenum	95-1	4.47	4.39	4.25	4.37	2.58	ppb
Molybdenum	96-1	4.23	4.29	4.35	4.29	1.38	ppb
Molybdenum	97-1	4.60	4.29	4.29	4.39	4.00	ppb
Molybdenum	98-1	4.20	4.27	4.40	4.29	2.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.86	0.93	0.98	0.92	6.08	ppb
Phosphorus	31-2	35.72	77.36	-37.56	25.17	231.11	ppb
Potassium	39-2	475.11	458.43	452.52	462.02	2.54	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	-2.38	-2.35	-5.65	-3.46		ppb
Selenium	78-2	3.83	5.45	5.94	5.07	21.85	ppb
Selenium	82-1	5.26	2.71	4.03	4.00	31.93	ppb
Silicon	28-1	5.65	7.39	6.36	6.47	13.56	ppb
Silver	109-1	0.95	1.01	0.94	0.97	4.19	ppb
Silver	107-1	1.00	0.99	1.05	1.01	3.02	ppb
Sodium	23-2	531.70	517.02	519.04	522.58	1.52	ppb
Strontium	86-1	0.82	0.69	0.72	0.74	9.52	ppb
Strontium	88-1	0.76	0.75	0.77	0.76	1.33	ppb
Sulfur	34-1	-1429.31	-1178.98	-1368.39	-1325.56		ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.92	0.77	0.80	0.83	9.80	ppb
Thallium	205-1	0.79	0.93	0.82	0.85	8.57	ppb
Tin	118-1	4.68	4.92	4.67	4.76	2.92	ppb
Titanium	47-1	4.51	4.72	4.48	4.57	2.95	ppb
Uranium	238-1	0.80	0.85	0.87	0.84	4.19	ppb
Vanadium	51-2	4.40	4.78	4.70	4.62	4.36	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	1.81	1.80	1.81	1.81	0.39	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:02:31	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.85	0.84	0.85	0.85	0.66	ppb
Zirconium	91-1	0.88	0.88	0.87	0.88	0.64	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:07:53 DataFile Name : 014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.11	-1.74	-1.86	-1.24		ppb
Antimony	121-1	0.03	0.06	0.03	0.04	43.59	ppb
Arsenic	75-2	0.03	-0.04	-0.02	-0.01		ppb
Barium	135-1	-0.04	-0.04	-0.04	-0.04		ppb
Barium	137-1	-0.01	-0.01	-0.02	-0.01		ppb
Beryllium	9-1	0.03	0.04	0.03	0.03	23.26	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Boron	11-1	3.06	2.88	2.23	2.72	16.05	ppb
Boron	10-1	2.36	2.85	2.45	2.56	10.13	ppb
Cadmium	106-1	1.26	0.96	-0.51	0.57	166.94	ppb
Cadmium	108-1	0.05	0.10	-0.05	0.04	218.24	ppb
Cadmium	111-1	0.10	0.06	-0.04	0.04	194.85	ppb
Calcium	43-1	1.55	-0.99	-2.77	-0.74		ppb
Calcium	44-1	21.31	16.59	17.50	18.47	13.58	ppb
Chromium	52-2	-0.01	-0.22	0.02	-0.07		ppb
Cobalt	59-2	-0.03	0.00	-0.01	-0.01		ppb
Copper	63-2	0.03	0.05	0.04	0.04	17.60	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				98		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	-0.33	0.36	-0.37	-0.11		ppb
Iron	57-2	-3.46	-2.06	-1.21	-2.24		ppb
Krypton	83-1						cps
Lead	207-1	0.07	0.06	0.06	0.06	13.64	ppb
Lead	208-1	0.07	0.06	0.07	0.07	12.09	ppb
Lead	206-1	0.07	0.06	0.06	0.06	7.27	ppb
Lithium	6-1				105		%
Magnesium	24-2	1.55	-0.20	-1.15	0.07	2030.61	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:07:53	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.10	0.07	0.11	0.09	25.91	ppb
Molybdenum	94-1	-0.01	0.00	-0.01	-0.01		ppb
Molybdenum	95-1	0.01	0.01	0.02	0.01	73.31	ppb
Molybdenum	96-1	-0.01	-0.01	0.00	-0.01		ppb
Molybdenum	97-1	0.02	-0.05	0.05	0.01	832.97	ppb
Molybdenum	98-1	0.00	0.01	0.03	0.01	95.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	-0.01	-0.06	-0.01		ppb
Phosphorus	31-2	-58.80	-4.13	-37.50	-33.48		ppb
Potassium	39-2	24.69	9.91	23.42	19.34	42.37	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	77-2	-2.29	1.10	-5.65	-2.28		ppb
Selenium	78-2	0.17	0.17	-0.91	-0.19		ppb
Selenium	82-1	-0.24	-1.50	-0.53	-0.76		ppb
Silicon	28-1	-2.50	-5.78	-4.67	-4.32		ppb
Silver	109-1	0.04	0.05	0.02	0.04	34.53	ppb
Silver	107-1	0.05	0.05	0.03	0.05	22.23	ppb
Sodium	23-2	63.81	59.31	58.24	60.45	4.88	ppb
Strontium	86-1	-0.02	0.13	0.02	0.04	179.62	ppb
Strontium	88-1	0.00	-0.01	-0.01	-0.01		ppb
Sulfur	34-1	-589.96	-1471.73	-1496.88	-1186.19		ppb
Terbium	159-1				99		%
Terbium	159-2				98		%
Thallium	203-1	0.01	0.00	-0.01	0.00	567.45	ppb
Thallium	205-1	0.00	0.00	0.01	0.01	78.87	ppb
Tin	118-1	0.04	0.02	0.02	0.03	49.45	ppb
Titanium	47-1	0.05	0.07	0.06	0.06	21.28	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.02	0.00	0.01	-0.01		ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	-0.02	0.09	-0.11	-0.01		ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:07:53	DataFile Name :	014CCBE.d

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

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:11:28 DataFile Name : 015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	82034.37	83003.96	84326.84	83121.73	1.38	ppb
Antimony	121-1	1.12	1.01	1.06	1.06	5.46	ppb
Arsenic	75-2	0.31	0.20	0.25	0.25	22.34	ppb
Barium	135-1	1.09	1.20	1.46	1.25	15.15	ppb
Barium	137-1	1.53	1.61	1.36	1.50	8.63	ppb
Beryllium	9-1	0.33	0.35	0.31	0.33	5.46	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Boron	11-1	3.71	3.72	3.52	3.65	3.14	ppb
Boron	10-1	3.50	3.33	3.31	3.38	3.02	ppb
Cadmium	106-1	0.30	2.40	0.31	1.00	120.52	ppb
Cadmium	108-1	9.83	8.79	9.62	9.41	5.81	ppb
Cadmium	111-1	0.39	0.52	0.34	0.42	21.72	ppb
Calcium	43-1	89331.06	90939.96	91186.37	90485.80	1.11	ppb
Calcium	44-1	89221.04	89911.44	90890.03	90007.50	0.93	ppb
Chromium	52-2	19.13	19.61	19.15	19.30	1.40	ppb
Cobalt	59-2	1.00	1.04	1.05	1.03	2.48	ppb
Copper	63-2	7.72	7.63	7.92	7.76	1.90	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				100		%
Iron	56-2	93265.54	94871.88	95659.47	94598.96	1.29	ppb
Iron	57-2	94641.93	96492.55	97423.30	96185.93	1.47	ppb
Krypton	83-1						cps
Lead	207-1	3.89	3.71	3.63	3.74	3.52	ppb
Lead	208-1	4.12	4.03	4.00	4.05	1.61	ppb
Lead	206-1	4.40	4.31	4.37	4.36	1.07	ppb
Lithium	6-1				104		%
Magnesium	24-2	92666.45	93729.81	95308.34	93901.53	1.42	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:11:28	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.17	7.17	7.39	7.24	1.79	ppb
Molybdenum	94-1	1199.47	1236.23	1236.22	1223.97	1.73	ppb
Molybdenum	95-1	1670.83	1721.93	1707.91	1700.23	1.55	ppb
Molybdenum	96-1	1608.41	1672.13	1664.23	1648.26	2.11	ppb
Molybdenum	97-1	1670.50	1750.58	1728.09	1716.39	2.41	ppb
Molybdenum	98-1	1669.10	1733.03	1690.29	1697.47	1.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.10	5.10	4.83	5.01	3.19	ppb
Phosphorus	31-2	92163.59	91662.93	95021.81	92949.44	1.95	ppb
Potassium	39-2	91581.33	93350.98	94251.74	93061.35	1.46	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	77-2	-5.65	-2.37	-5.65	-4.56		ppb
Selenium	78-2	-0.38	1.20	1.21	0.68	135.11	ppb
Selenium	82-1	-0.06	-0.08	-0.35	-0.16		ppb
Silicon	28-1	36.45	35.04	35.33	35.61	2.09	ppb
Silver	109-1	0.33	0.32	0.32	0.32	2.94	ppb
Silver	107-1	0.32	0.30	0.34	0.32	5.97	ppb
Sodium	23-2	92065.84	92659.76	94886.28	93203.96	1.60	ppb
Strontium	86-1	26.84	27.04	27.07	26.98	0.47	ppb
Strontium	88-1	26.94	27.43	27.36	27.24	0.96	ppb
Sulfur	34-1	89405.81	87687.89	90545.52	89213.07	1.61	ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.08	0.05	0.00	0.04	95.10	ppb
Thallium	205-1	0.06	0.05	0.02	0.04	51.76	ppb
Tin	118-1	0.16	0.16	0.15	0.16	5.04	ppb
Titanium	47-1	1880.65	1843.71	1871.17	1865.18	1.03	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	21.78	ppb
Vanadium	51-2	0.19	0.10	0.09	0.13	43.50	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	11.38	11.41	11.64	11.48	1.26	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:11:28	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.03	0.04	0.03	29.73	ppb
Zirconium	91-1	0.03	0.05	-0.01	0.02	139.28	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:14:55	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	82264.71	82577.70	82083.65	82308.69	0.30	ppb
Antimony	121-1	19.25	20.03	19.29	19.52	2.26	ppb
Arsenic	75-2	19.30	18.04	17.34	18.22	5.46	ppb
Barium	135-1	19.73	20.76	19.89	20.13	2.75	ppb
Barium	137-1	19.55	20.96	20.34	20.28	3.48	ppb
Beryllium	9-1	19.01	19.35	18.78	19.05	1.50	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Boron	11-1	60.61	64.30	63.45	62.79	3.08	ppb
Boron	10-1	60.64	68.60	59.51	62.92	7.88	ppb
Cadmium	106-1	25.87	26.76	26.73	26.45	1.93	ppb
Cadmium	108-1	29.00	29.32	30.80	29.71	3.22	ppb
Cadmium	111-1	19.42	19.71	19.32	19.48	1.05	ppb
Calcium	43-1	92612.78	93181.01	90249.06	92014.28	1.69	ppb
Calcium	44-1	90851.90	91850.77	90708.93	91137.20	0.68	ppb
Chromium	52-2	36.91	37.24	37.79	37.31	1.19	ppb
Cobalt	59-2	20.26	20.04	19.82	20.04	1.12	ppb
Copper	63-2	26.71	26.12	26.84	26.56	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				102		%
Holmium	165-2				103		%
Indium	115-1				97		%
Indium	115-2				100		%
Iron	56-2	94592.35	93677.70	94680.24	94316.77	0.59	ppb
Iron	57-2	95359.79	95819.56	96050.77	95743.37	0.37	ppb
Krypton	83-1						cps
Lead	207-1	21.69	21.97	21.08	21.58	2.12	ppb
Lead	208-1	22.34	22.96	22.21	22.50	1.79	ppb
Lead	206-1	23.57	24.20	23.54	23.77	1.57	ppb
Lithium	6-1				104		%
Magnesium	24-2	93341.08	92953.63	93675.22	93323.31	0.39	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:14:55	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	25.83	25.83	25.92	25.86	0.20	ppb
Molybdenum	94-1	1346.62	1367.62	1349.33	1354.52	0.84	ppb
Molybdenum	95-1	1779.77	1771.90	1757.71	1769.79	0.63	ppb
Molybdenum	96-1	1706.73	1719.61	1697.45	1707.93	0.65	ppb
Molybdenum	97-1	1784.31	1814.78	1757.26	1785.45	1.61	ppb
Molybdenum	98-1	1750.50	1797.16	1753.09	1766.92	1.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.45	24.01	24.25	24.24	0.91	ppb
Phosphorus	31-2	89805.50	92846.03	94077.11	92242.88	2.38	ppb
Potassium	39-2	92123.35	92885.28	92376.67	92461.77	0.42	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	77-2	21.00	17.38	14.23	17.54	19.31	ppb
Selenium	78-2	27.43	16.52	16.11	20.02	32.06	ppb
Selenium	82-1	17.80	18.65	16.96	17.80	4.74	ppb
Silicon	28-1	107.44	113.88	109.26	110.19	3.01	ppb
Silver	109-1	17.53	18.73	17.76	18.01	3.52	ppb
Silver	107-1	18.13	18.86	18.00	18.33	2.54	ppb
Sodium	23-2	92396.64	92074.75	92894.96	92455.45	0.45	ppb
Strontium	86-1	77.19	79.67	76.71	77.86	2.04	ppb
Strontium	88-1	77.38	79.44	77.04	77.95	1.67	ppb
Sulfur	34-1	89745.26	90638.98	88827.27	89737.17	1.01	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	18.60	18.79	18.54	18.64	0.69	ppb
Thallium	205-1	19.19	19.13	18.65	18.99	1.54	ppb
Tin	118-1	56.06	59.73	57.78	57.86	3.18	ppb
Titanium	47-1	1905.80	1943.03	1907.59	1918.81	1.09	ppb
Uranium	238-1	60.01	62.01	60.12	60.72	1.85	ppb
Vanadium	51-2	18.75	18.15	18.58	18.49	1.66	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	29.49	29.43	30.89	29.93	2.77	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:14:55	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	60.55	61.92	60.44	60.97	1.36	ppb
Zirconium	91-1	60.93	60.75	59.93	60.54	0.88	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : CCV21 Instrumnet Name : P8
 Client Sample ID : CCV21 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:18:23 DataFile Name : 017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49408.70	50204.36	48868.04	49493.70	1.36	ppb
Antimony	121-1	507.97	508.23	489.66	501.95	2.12	ppb
Arsenic	75-2	481.89	483.74	481.71	482.45	0.23	ppb
Barium	135-1	2536.94	2514.00	2460.89	2503.94	1.56	ppb
Barium	137-1	2536.50	2511.29	2473.95	2507.25	1.26	ppb
Beryllium	9-1	498.62	496.71	490.97	495.44	0.80	ppb
Bismuth	209-1				92		%
Bismuth	209-2				95		%
Boron	11-1	483.61	494.18	505.11	494.30	2.18	ppb
Boron	10-1	482.23	503.72	509.49	498.48	2.88	ppb
Cadmium	106-1	500.06	499.16	482.05	493.76	2.06	ppb
Cadmium	108-1	505.44	490.43	484.72	493.53	2.17	ppb
Cadmium	111-1	492.84	491.58	476.86	487.09	1.82	ppb
Calcium	43-1	236435.98	234141.63	231708.52	234095.38	1.01	ppb
Calcium	44-1	237571.81	229985.89	232024.46	233194.05	1.68	ppb
Chromium	52-2	484.43	489.35	478.32	484.03	1.14	ppb
Cobalt	59-2	470.77	479.84	469.64	473.42	1.18	ppb
Copper	63-2	915.39	925.70	912.38	917.82	0.76	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				98		%
Iron	56-2	120248.52	123429.82	120628.13	121435.49	1.43	ppb
Iron	57-2	123203.49	124995.31	121205.23	123134.68	1.54	ppb
Krypton	83-1						cps
Lead	207-1	488.03	485.39	479.42	484.28	0.91	ppb
Lead	208-1	501.69	497.83	491.47	497.00	1.04	ppb
Lead	206-1	497.06	492.97	486.60	492.21	1.07	ppb
Lithium	6-1				103		%
Magnesium	24-2	234097.58	236570.05	233947.94	234871.86	0.63	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV21	Instrumnet Name :	P8
Client Sample ID :	CCV21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:18:23	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	945.88	968.64	937.12	950.55	1.71	ppb
Molybdenum	94-1	2480.92	2433.66	2407.24	2440.60	1.53	ppb
Molybdenum	95-1	2453.65	2400.22	2389.22	2414.36	1.43	ppb
Molybdenum	96-1	2468.50	2458.54	2395.32	2440.79	1.63	ppb
Molybdenum	97-1	2487.85	2451.60	2368.50	2435.98	2.51	ppb
Molybdenum	98-1	2433.08	2450.22	2376.68	2419.99	1.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	471.53	480.61	470.30	474.15	1.19	ppb
Phosphorus	31-2	9572.75	10130.62	10355.57	10019.64	4.02	ppb
Potassium	39-2	119666.19	121537.06	118964.38	120055.88	1.11	ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				100		%
Scandium	45-2				104		%
Selenium	77-2	469.05	560.93	465.10	498.36	10.88	ppb
Selenium	78-2	491.22	473.34	477.81	480.79	1.93	ppb
Selenium	82-1	486.52	482.70	480.81	483.34	0.60	ppb
Silicon	28-1	552.19	534.60	556.43	547.74	2.11	ppb
Silver	109-1	497.56	498.86	478.42	491.61	2.33	ppb
Silver	107-1	503.59	493.54	486.98	494.70	1.69	ppb
Sodium	23-2	231982.58	236543.85	232367.09	233631.17	1.08	ppb
Strontium	86-1	485.23	484.37	475.12	481.57	1.16	ppb
Strontium	88-1	487.58	484.15	481.47	484.40	0.63	ppb
Sulfur	34-1	11637.36	10528.31	10454.37	10873.35	6.09	ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	497.12	493.60	487.09	492.60	1.03	ppb
Thallium	205-1	511.31	513.86	505.23	510.13	0.87	ppb
Tin	118-1	500.18	500.79	485.67	495.54	1.73	ppb
Titanium	47-1	2548.09	2454.72	2429.19	2477.34	2.53	ppb
Uranium	238-1	524.09	524.51	514.07	520.89	1.13	ppb
Vanadium	51-2	482.30	491.28	482.58	485.39	1.05	ppb
Yttrium	89-1				99		%
Yttrium	89-2				104		%
Zinc	66-2	915.95	920.71	907.97	914.88	0.70	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV21	Instrumnet Name :	P8
Client Sample ID :	CCV21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:18:23	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	513.42	510.00	509.02	510.81	0.45	ppb
Zirconium	91-1	506.31	494.80	491.49	497.53	1.56	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:25:25	DataFile Name :	018LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.07	18.47	17.28	17.61	4.28	ppb
Antimony	121-1	1.81	1.90	1.80	1.84	2.93	ppb
Arsenic	75-2	0.88	0.99	1.08	0.99	10.18	ppb
Barium	135-1	9.31	9.03	9.01	9.12	1.87	ppb
Barium	137-1	9.66	9.07	9.01	9.25	3.91	ppb
Beryllium	9-1	0.89	0.92	0.93	0.91	1.96	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Boron	11-1	25.31	25.76	26.69	25.92	2.71	ppb
Boron	10-1	26.49	25.59	29.49	27.19	7.51	ppb
Cadmium	106-1	1.85	2.04	0.87	1.58	39.68	ppb
Cadmium	108-1	0.68	1.51	1.16	1.12	37.53	ppb
Cadmium	111-1	1.04	0.95	1.01	1.00	4.52	ppb
Calcium	43-1	451.93	432.29	428.66	437.63	2.86	ppb
Calcium	44-1	489.36	476.13	479.37	481.62	1.43	ppb
Chromium	52-2	1.80	1.91	1.72	1.81	5.18	ppb
Cobalt	59-2	1.06	1.04	1.04	1.05	1.28	ppb
Copper	63-2	1.98	1.98	1.89	1.95	2.53	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				99		%
Holmium	165-2				97		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	52.96	50.22	50.87	51.35	2.79	ppb
Iron	57-2	46.63	53.87	47.90	49.47	7.82	ppb
Krypton	83-1						cps
Lead	207-1	1.08	0.96	0.91	0.98	9.13	ppb
Lead	208-1	1.07	0.99	0.99	1.02	4.26	ppb
Lead	206-1	1.05	1.05	1.09	1.06	2.32	ppb
Lithium	6-1				101		%
Magnesium	24-2	470.11	480.27	468.93	473.10	1.32	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:25:25	DataFile Name :	018LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.99	0.91	0.91	0.94	4.66	ppb
Molybdenum	94-1	4.33	4.57	4.33	4.41	3.15	ppb
Molybdenum	95-1	4.43	4.35	4.49	4.42	1.53	ppb
Molybdenum	96-1	4.47	4.54	4.48	4.50	0.85	ppb
Molybdenum	97-1	4.32	4.42	4.41	4.39	1.23	ppb
Molybdenum	98-1	4.61	4.30	4.27	4.39	4.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.05	0.96	0.91	0.97	7.24	ppb
Phosphorus	31-2	-36.69	-14.52	29.39	-7.28		ppb
Potassium	39-2	535.18	523.56	504.43	521.06	2.98	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				100		%
Selenium	77-2	1.15	4.66	4.53	3.45	57.78	ppb
Selenium	78-2	5.09	6.81	4.54	5.48	21.63	ppb
Selenium	82-1	4.46	3.53	4.33	4.11	12.31	ppb
Silicon	28-1	8.92	6.37	11.21	8.83	27.37	ppb
Silver	109-1	1.03	1.05	0.92	1.00	7.02	ppb
Silver	107-1	0.87	1.07	0.90	0.95	11.52	ppb
Sodium	23-2	565.21	568.02	554.41	562.55	1.28	ppb
Strontium	86-1	0.64	0.77	0.91	0.77	17.55	ppb
Strontium	88-1	0.77	0.72	0.78	0.76	4.58	ppb
Sulfur	34-1	-1286.11	-1597.28	272.19	-870.40		ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	0.86	0.90	0.92	0.89	3.25	ppb
Thallium	205-1	0.88	0.88	0.88	0.88	0.11	ppb
Tin	118-1	5.00	4.80	4.63	4.81	3.80	ppb
Titanium	47-1	5.05	4.46	4.22	4.58	9.42	ppb
Uranium	238-1	0.82	0.83	0.83	0.83	0.88	ppb
Vanadium	51-2	4.74	4.86	4.76	4.79	1.34	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	1.64	1.78	2.16	1.86	14.58	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:25:25	DataFile Name :	018LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.85	0.92	0.89	0.89	4.15	ppb
Zirconium	91-1	0.93	0.83	0.85	0.87	5.85	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB21	Instrumnet Name :	P8
Client Sample ID :	CCB21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:29:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.77	3.75	-1.70	0.43	683.15	ppb
Antimony	121-1	0.04	0.03	0.05	0.04	28.14	ppb
Arsenic	75-2	0.08	0.02	0.00	0.03	120.40	ppb
Barium	135-1	0.02	0.01	-0.04	-0.01		ppb
Barium	137-1	0.00	0.01	0.00	0.00	207.70	ppb
Beryllium	9-1	0.03	0.06	0.03	0.04	35.80	ppb
Bismuth	209-1				96		%
Bismuth	209-2				98		%
Boron	11-1	3.18	3.70	3.41	3.43	7.63	ppb
Boron	10-1	3.79	3.78	4.29	3.95	7.37	ppb
Cadmium	106-1	0.93	0.43	0.56	0.64	40.73	ppb
Cadmium	108-1	0.00	0.16	0.05	0.07	110.85	ppb
Cadmium	111-1	0.08	0.03	0.03	0.05	49.92	ppb
Calcium	43-1	2.60	2.68	-3.43	0.62	567.82	ppb
Calcium	44-1	35.14	32.78	33.89	33.94	3.47	ppb
Chromium	52-2	0.01	-0.02	-0.09	-0.03		ppb
Cobalt	59-2	-0.01	-0.01	-0.02	-0.01		ppb
Copper	63-2	0.07	0.10	0.07	0.08	23.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	56-2	-0.20	-0.09	0.21	-0.03		ppb
Iron	57-2	-2.55	1.31	-2.34	-1.19		ppb
Krypton	83-1						cps
Lead	207-1	0.10	0.07	0.13	0.10	30.70	ppb
Lead	208-1	0.09	0.10	0.09	0.09	8.75	ppb
Lead	206-1	0.07	0.08	0.07	0.07	10.03	ppb
Lithium	6-1				101		%
Magnesium	24-2	-0.86	-1.23	0.15	-0.65		ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB21	Instrumnet Name :	P8
Client Sample ID :	CCB21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:29:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.01	-0.01	0.05	0.01	262.99	ppb
Molybdenum	94-1	0.07	0.04	0.03	0.05	46.45	ppb
Molybdenum	95-1	0.03	0.02	0.02	0.02	38.37	ppb
Molybdenum	96-1	0.00	0.01	0.02	0.01	92.57	ppb
Molybdenum	97-1	0.05	0.02	0.04	0.04	44.26	ppb
Molybdenum	98-1	0.00	0.03	0.03	0.02	81.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.12	0.05	0.08	0.08	44.58	ppb
Phosphorus	31-2	-5.21	-37.27	-47.76	-30.08		ppb
Potassium	39-2	39.84	44.07	35.03	39.64	11.41	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	77-2	-5.65	-5.65	-5.65	-5.65		ppb
Selenium	78-2	0.17	-0.91	0.70	-0.01		ppb
Selenium	82-1	-0.90	0.42	-1.24	-0.57		ppb
Silicon	28-1	-3.36	-3.22	-2.86	-3.14		ppb
Silver	109-1	0.03	0.04	0.04	0.04	9.94	ppb
Silver	107-1	0.03	0.03	0.04	0.04	12.08	ppb
Sodium	23-2	86.93	87.84	95.70	90.16	5.35	ppb
Strontium	86-1	0.03	0.07	0.02	0.04	65.83	ppb
Strontium	88-1	0.00	0.00	-0.01	0.00		ppb
Sulfur	34-1	-1648.08	-1729.01	-1591.54	-1656.21		ppb
Terbium	159-1				98		%
Terbium	159-2				98		%
Thallium	203-1	0.03	0.02	0.03	0.03	33.54	ppb
Thallium	205-1	0.02	0.03	0.01	0.02	33.43	ppb
Tin	118-1	0.05	0.11	0.01	0.06	94.21	ppb
Titanium	47-1	0.68	0.08	0.02	0.26	140.88	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	33.85	ppb
Vanadium	51-2	0.02	-0.01	-0.02	0.00		ppb
Yttrium	89-1				98		%
Yttrium	89-2				102		%
Zinc	66-2	0.06	-0.03	-0.06	-0.01		ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB21	Instrumnet Name :	P8
Client Sample ID :	CCB21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:29:00	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	0.01	0.00	183.45	ppb
Zirconium	91-1	0.01	-0.01	0.01	0.00	238.30	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:32:35 DataFile Name : 020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.52	13.14	16.15	16.27	19.62	ppb
Antimony	121-1	1.71	1.76	1.68	1.72	2.42	ppb
Arsenic	75-2	0.86	0.93	0.75	0.85	10.88	ppb
Barium	135-1	8.88	9.49	8.83	9.07	4.04	ppb
Barium	137-1	9.18	9.24	9.21	9.21	0.32	ppb
Beryllium	9-1	0.98	0.89	0.90	0.92	5.41	ppb
Bismuth	209-1				98		%
Bismuth	209-2				99		%
Boron	11-1	24.64	23.98	24.75	24.46	1.70	ppb
Boron	10-1	26.02	24.99	25.39	25.47	2.04	ppb
Cadmium	106-1	0.91	1.91	1.33	1.38	36.32	ppb
Cadmium	108-1	0.56	0.52	0.60	0.56	7.84	ppb
Cadmium	111-1	0.92	0.95	0.92	0.93	1.83	ppb
Calcium	43-1	445.79	442.23	426.58	438.20	2.33	ppb
Calcium	44-1	451.05	454.50	459.57	455.04	0.94	ppb
Chromium	52-2	1.76	1.87	1.81	1.82	3.00	ppb
Cobalt	59-2	1.26	1.19	1.28	1.24	3.53	ppb
Copper	63-2	1.87	1.89	1.92	1.89	1.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				100		%
Iron	56-2	51.92	50.37	52.09	51.46	1.84	ppb
Iron	57-2	51.00	43.72	50.96	48.56	8.64	ppb
Krypton	83-1						cps
Lead	207-1	0.82	0.86	0.90	0.86	4.68	ppb
Lead	208-1	0.87	0.90	0.91	0.89	2.58	ppb
Lead	206-1	0.85	0.96	0.90	0.90	5.96	ppb
Lithium	6-1				102		%
Magnesium	24-2	457.63	445.54	449.92	451.03	1.36	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:32:35	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.88	0.96	0.95	0.93	4.47	ppb
Molybdenum	94-1	4.46	4.53	4.31	4.43	2.56	ppb
Molybdenum	95-1	4.40	4.49	4.28	4.39	2.47	ppb
Molybdenum	96-1	4.40	4.40	4.42	4.41	0.30	ppb
Molybdenum	97-1	4.20	4.55	4.61	4.45	4.99	ppb
Molybdenum	98-1	4.33	4.40	4.40	4.38	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.94	0.98	0.91	0.94	3.64	ppb
Phosphorus	31-2	61.54	-5.38	17.29	24.48	139.04	ppb
Potassium	39-2	490.22	475.88	458.68	474.93	3.33	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	77-2	11.03	-5.65	4.18	3.19	263.14	ppb
Selenium	78-2	3.91	3.37	1.72	3.00	37.97	ppb
Selenium	82-1	5.02	1.97	3.52	3.50	43.57	ppb
Silicon	28-1	3.95	4.31	3.25	3.84	14.01	ppb
Silver	109-1	1.03	0.97	0.94	0.98	4.56	ppb
Silver	107-1	0.87	1.01	0.98	0.95	7.71	ppb
Sodium	23-2	524.56	519.92	531.62	525.37	1.12	ppb
Strontium	86-1	0.69	0.78	0.79	0.76	7.24	ppb
Strontium	88-1	0.74	0.73	0.75	0.74	1.53	ppb
Sulfur	34-1	-2650.92	-2081.64	-1859.98	-2197.51		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.84	0.95	0.86	0.89	6.56	ppb
Thallium	205-1	0.87	0.84	0.83	0.85	2.38	ppb
Tin	118-1	4.88	4.69	4.45	4.68	4.60	ppb
Titanium	47-1	3.97	4.76	4.86	4.53	10.74	ppb
Uranium	238-1	0.75	0.85	0.77	0.79	6.10	ppb
Vanadium	51-2	4.49	4.43	4.76	4.56	3.84	ppb
Yttrium	89-1				100		%
Yttrium	89-2				102		%
Zinc	66-2	1.44	1.87	1.64	1.65	13.03	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:32:35	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.85	0.88	0.86	0.86	1.67	ppb
Zirconium	91-1	0.84	0.89	0.75	0.83	8.61	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : PB117527BLRE Instrumnet Name : P8
 Client Sample ID : PB117527BLRE Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:36:09 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.40	-0.30	-0.88	-0.52		ppb
Antimony	121-1	3.10	0.01	0.01	1.04	171.01	ppb
Arsenic	75-2	0.06	-0.01	-0.01	0.01	331.69	ppb
Barium	135-1	-0.05	-0.05	-0.04	-0.04		ppb
Barium	137-1	1.97	0.01	-0.01	0.66	173.05	ppb
Beryllium	9-1	1.79	0.06	0.03	0.63	159.90	ppb
Bismuth	209-1				59		%
Bismuth	209-2				99		%
Boron	11-1	83.71	3.17	2.43	29.77	156.91	ppb
Boron	10-1	105.00	2.95	1.93	36.63	161.68	ppb
Cadmium	106-1	-0.45	0.91	0.98	0.48	167.86	ppb
Cadmium	108-1	7.82	0.35	-0.05	2.71	163.91	ppb
Cadmium	111-1	0.43	0.06	0.08	0.19	109.39	ppb
Calcium	43-1	1365.36	5.04	0.40	456.93	172.18	ppb
Calcium	44-1	12631.32	74.34	24.86	4243.51	171.18	ppb
Chromium	52-2	0.09	-0.06	-0.17	-0.05		ppb
Cobalt	59-2	0.00	-0.01	-0.02	-0.01		ppb
Copper	63-2	0.07	0.06	0.04	0.06	30.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				59		%
Holmium	165-2				100		%
Indium	115-1				60		%
Indium	115-2				101		%
Iron	56-2	-0.26	-0.33	-0.52	-0.37		ppb
Iron	57-2	-2.42	-1.57	-5.06	-3.01		ppb
Krypton	83-1						cps
Lead	207-1	7.47	0.02	0.04	2.51	171.25	ppb
Lead	208-1	9.15	0.07	0.05	3.09	170.01	ppb
Lead	206-1	12.78	0.09	0.05	4.31	170.48	ppb
Lithium	6-1				62		%
Magnesium	24-2	-0.62	0.48	-0.90	-0.35		ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : PB117527BLRE Instrumnet Name : P8
 Client Sample ID : PB117527BLRE Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:36:09 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.04	0.04	-0.12	-0.04		ppb
Molybdenum	94-1	4.55	0.01	0.03	1.53	170.83	ppb
Molybdenum	95-1	1.70	0.01	0.00	0.57	170.80	ppb
Molybdenum	96-1	2.79	0.01	0.01	0.94	171.11	ppb
Molybdenum	97-1	7.36	0.03	-0.02	2.46	173.01	ppb
Molybdenum	98-1	1.98	0.00	0.02	0.67	170.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.05	0.02	0.06	68.02	ppb
Phosphorus	31-2	-36.94	-37.54	-58.80	-44.43		ppb
Potassium	39-2	36.39	3.67	9.20	16.42	106.64	ppb
Rhodium	103-1				59		%
Rhodium	103-2				100		%
Scandium	45-1				60		%
Scandium	45-2				103		%
Selenium	77-2	1.04	-5.65	-5.65	-3.42		ppb
Selenium	78-2	-0.37	-0.91	-0.39	-0.56		ppb
Selenium	82-1	-61.04	-0.52	0.07	-20.50		ppb
Silicon	28-1	9413.31	33.28	-6.13	3146.82	172.46	ppb
Silver	109-1	4.10	0.03	0.04	1.39	168.63	ppb
Silver	107-1	3.02	0.03	0.04	1.03	167.84	ppb
Sodium	23-2	71.20	59.74	56.04	62.33	12.67	ppb
Strontium	86-1	76.10	0.34	0.00	25.48	172.02	ppb
Strontium	88-1	0.36	0.00	-0.01	0.12	180.67	ppb
Sulfur	34-1	1857450.89	5641.86	-1918.96	620391.26	172.69	ppb
Terbium	159-1				60		%
Terbium	159-2				100		%
Thallium	203-1	3.94	0.02	0.00	1.32	171.81	ppb
Thallium	205-1	4.15	0.04	0.03	1.40	169.25	ppb
Tin	118-1	5.87	0.00	-0.01	1.95	173.85	ppb
Titanium	47-1	14.55	0.08	0.03	4.89	171.34	ppb
Uranium	238-1	0.22	0.00	0.00	0.07	174.06	ppb
Vanadium	51-2	-0.01	-0.02	0.00	-0.01		ppb
Yttrium	89-1				60		%
Yttrium	89-2				103		%
Zinc	66-2	-0.04	-0.07	0.05	-0.02		ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BLRE	Instrumnet Name :	P8
Client Sample ID :	PB117527BLRE	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:36:09	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1.03	0.00	-0.01	0.34	175.95	ppb
Zirconium	91-1	1.16	0.04	0.02	0.41	160.33	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BS	Instrumnet Name :	P8
Client Sample ID :	PB117527BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:39:46	DataFile Name :	022LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9430.72	9739.47	9722.67	9630.96	1.80	ppb
Antimony	121-1	506.36	519.58	516.21	514.05	1.34	ppb
Arsenic	75-2	498.09	500.50	507.73	502.11	1.00	ppb
Barium	135-1	2462.56	2574.64	2577.02	2538.07	2.58	ppb
Barium	137-1	2494.80	2566.58	2552.03	2537.80	1.50	ppb
Beryllium	9-1	496.56	495.99	494.22	495.59	0.25	ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Boron	11-1	481.19	496.40	505.48	494.36	2.48	ppb
Boron	10-1	486.99	497.06	513.42	499.16	2.67	ppb
Cadmium	106-1	500.93	508.85	506.98	505.59	0.82	ppb
Cadmium	108-1	510.56	511.35	507.01	509.64	0.45	ppb
Cadmium	111-1	500.64	506.42	506.06	504.37	0.64	ppb
Calcium	43-1	48392.95	49372.69	49213.21	48992.95	1.07	ppb
Calcium	44-1	48486.92	49590.88	48856.75	48978.18	1.15	ppb
Chromium	52-2	494.75	500.71	501.58	499.01	0.74	ppb
Cobalt	59-2	487.45	496.42	496.37	493.41	1.05	ppb
Copper	63-2	975.01	1004.00	997.02	992.01	1.53	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				99		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	25071.14	25589.81	25555.47	25405.47	1.14	ppb
Iron	57-2	24938.51	25742.87	25469.39	25383.59	1.61	ppb
Krypton	83-1						cps
Lead	207-1	475.38	490.17	484.82	483.46	1.55	ppb
Lead	208-1	490.38	500.26	497.42	496.02	1.03	ppb
Lead	206-1	480.10	487.34	489.27	485.57	1.00	ppb
Lithium	6-1				102		%
Magnesium	24-2	50054.50	51186.85	51178.85	50806.73	1.28	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BS	Instrumnet Name :	P8
Client Sample ID :	PB117527BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:39:46	DataFile Name :	022LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	981.75	1006.34	1009.11	999.07	1.51	ppb
Molybdenum	94-1	2486.55	2451.70	2476.64	2471.63	0.73	ppb
Molybdenum	95-1	2479.40	2442.91	2456.22	2459.51	0.75	ppb
Molybdenum	96-1	2476.74	2432.12	2452.83	2453.90	0.91	ppb
Molybdenum	97-1	2496.74	2483.68	2500.58	2493.66	0.36	ppb
Molybdenum	98-1	2461.61	2430.87	2457.64	2450.04	0.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	495.07	502.17	503.75	500.33	0.92	ppb
Phosphorus	31-2	10029.66	9521.54	9928.20	9826.47	2.74	ppb
Potassium	39-2	24267.87	24752.63	24920.48	24646.99	1.37	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				103		%
Selenium	77-2	477.40	498.91	447.71	474.67	5.42	ppb
Selenium	78-2	498.27	523.36	503.68	508.43	2.60	ppb
Selenium	82-1	495.85	492.72	495.44	494.67	0.34	ppb
Silicon	28-1	498.10	513.63	524.37	512.03	2.58	ppb
Silver	109-1	514.10	513.12	515.02	514.08	0.18	ppb
Silver	107-1	510.33	514.82	512.12	512.42	0.44	ppb
Sodium	23-2	48744.79	49866.46	49678.80	49430.02	1.22	ppb
Strontium	86-1	490.95	489.81	493.45	491.41	0.38	ppb
Strontium	88-1	499.71	492.05	493.59	495.12	0.82	ppb
Sulfur	34-1	11070.88	11222.56	11243.87	11179.10	0.84	ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	481.06	490.19	489.41	486.89	1.04	ppb
Thallium	205-1	494.20	508.40	500.11	500.90	1.42	ppb
Tin	118-1	502.76	510.51	514.53	509.27	1.18	ppb
Titanium	47-1	2494.46	2574.07	2519.99	2529.51	1.61	ppb
Uranium	238-1	495.28	499.79	501.92	498.99	0.68	ppb
Vanadium	51-2	491.68	502.88	499.97	498.17	1.17	ppb
Yttrium	89-1				99		%
Yttrium	89-2				103		%
Zinc	66-2	977.39	998.79	1022.44	999.54	2.25	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BS	Instrumnet Name :	P8
Client Sample ID :	PB117527BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:39:46	DataFile Name :	022LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	499.98	497.21	503.14	500.11	0.59	ppb
Zirconium	91-1	489.92	487.61	489.50	489.01	0.25	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01	Instrumnet Name :	P8
Client Sample ID :	TOTAL-N	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:43:12	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	70.09	67.00	71.28	69.45	3.18	ppb
Antimony	121-1	2.19	2.28	2.39	2.29	4.34	ppb
Arsenic	75-2	0.49	0.73	0.53	0.59	21.88	ppb
Barium	135-1	46.01	44.60	45.13	45.25	1.58	ppb
Barium	137-1	45.95	45.60	44.88	45.47	1.20	ppb
Beryllium	9-1	0.04	0.05	0.05	0.05	15.45	ppb
Bismuth	209-1				96		%
Bismuth	209-2				92		%
Boron	11-1	25.30	23.70	22.12	23.71	6.73	ppb
Boron	10-1	24.48	21.85	21.86	22.73	6.66	ppb
Cadmium	106-1	0.92	-0.28	-0.63	0.01	13039.57	ppb
Cadmium	108-1	0.17	0.11	0.05	0.11	53.54	ppb
Cadmium	111-1	0.15	0.09	0.06	0.10	49.87	ppb
Calcium	43-1	27391.49	27667.12	27786.12	27614.91	0.73	ppb
Calcium	44-1	27576.56	27923.93	27554.25	27684.91	0.75	ppb
Chromium	52-2	1.88	1.58	1.41	1.62	14.65	ppb
Cobalt	59-2	0.13	0.16	0.12	0.13	14.76	ppb
Copper	63-2	11.50	11.77	11.70	11.65	1.21	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				97		%
Holmium	165-2				93		%
Indium	115-1				100		%
Indium	115-2				92		%
Iron	56-2	201.32	200.01	203.77	201.70	0.95	ppb
Iron	57-2	190.15	202.95	210.15	201.08	5.04	ppb
Krypton	83-1						cps
Lead	207-1	1.19	1.23	0.99	1.14	11.59	ppb
Lead	208-1	1.19	1.18	1.13	1.16	2.79	ppb
Lead	206-1	1.28	1.17	1.19	1.21	4.79	ppb
Lithium	6-1				113		%
Magnesium	24-2	6699.41	6622.29	6686.44	6669.38	0.62	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01	Instrumnet Name :	P8
Client Sample ID :	TOTAL-N	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:43:12	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	16.08	16.47	17.12	16.56	3.18	ppb
Molybdenum	94-1	0.49	0.37	0.46	0.44	14.68	ppb
Molybdenum	95-1	0.30	0.31	0.35	0.32	7.68	ppb
Molybdenum	96-1	0.35	0.37	0.36	0.36	3.21	ppb
Molybdenum	97-1	0.35	0.48	0.28	0.37	26.23	ppb
Molybdenum	98-1	0.35	0.32	0.36	0.34	6.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.51	0.72	0.61	0.61	17.75	ppb
Phosphorus	31-2	-33.44	-9.12	-20.64	-21.07		ppb
Potassium	39-2	2119.07	2001.67	2049.91	2056.88	2.87	ppb
Rhodium	103-1				92		%
Rhodium	103-2				90		%
Scandium	45-1				90		%
Scandium	45-2				87		%
Selenium	77-2	1.92	-1.88	-5.65	-1.87		ppb
Selenium	78-2	-0.91	0.91	0.94	0.31	338.10	ppb
Selenium	82-1	-0.84	-0.40	-0.46	-0.57		ppb
Silicon	28-1	243.62	248.70	249.43	247.25	1.28	ppb
Silver	109-1	4.18	3.29	2.54	3.34	24.72	ppb
Silver	107-1	4.23	3.19	2.68	3.37	23.53	ppb
Sodium	23-2	59628.08	58007.72	58976.54	58870.78	1.38	ppb
Strontium	86-1	60.84	62.14	60.88	61.29	1.21	ppb
Strontium	88-1	60.82	61.45	60.52	60.93	0.78	ppb
Sulfur	34-1	-306.81	-100.86	-461.21	-289.63		ppb
Terbium	159-1				97		%
Terbium	159-2				92		%
Thallium	203-1	0.01	-0.02	0.00	-0.01		ppb
Thallium	205-1	0.01	0.02	-0.01	0.01	212.99	ppb
Tin	118-1	7.29	6.77	6.28	6.78	7.43	ppb
Titanium	47-1	2.66	2.37	2.56	2.53	5.77	ppb
Uranium	238-1	0.38	0.37	0.40	0.38	2.66	ppb
Vanadium	51-2	0.99	1.17	1.08	1.08	7.90	ppb
Yttrium	89-1				94		%
Yttrium	89-2				89		%
Zinc	66-2	8.25	8.20	8.91	8.45	4.70	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01	Instrumnet Name :	P8
Client Sample ID :	TOTAL-N	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:43:12	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.15	0.17	0.16	0.16	8.71	ppb
Zirconium	91-1	0.07	0.15	0.15	0.12	34.62	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01DUP	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:46:46	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	96.81	74.31	83.01	84.71	13.39	ppb
Antimony	121-1	2.35	2.51	2.57	2.48	4.43	ppb
Arsenic	75-2	0.71	0.46	0.68	0.61	22.02	ppb
Barium	135-1	45.40	44.50	45.29	45.06	1.09	ppb
Barium	137-1	45.69	45.61	44.73	45.34	1.17	ppb
Beryllium	9-1	-0.01	0.02	-0.01	0.00		ppb
Bismuth	209-1				101		%
Bismuth	209-2				91		%
Boron	11-1	18.78	18.78	19.02	18.86	0.75	ppb
Boron	10-1	18.59	17.51	19.33	18.48	4.95	ppb
Cadmium	106-1	1.02	-0.07	0.24	0.40	141.95	ppb
Cadmium	108-1	0.10	0.00	0.15	0.08	90.64	ppb
Cadmium	111-1	0.09	0.03	0.02	0.05	80.57	ppb
Calcium	43-1	27997.51	27898.71	27851.07	27915.77	0.27	ppb
Calcium	44-1	27973.41	28194.77	27734.79	27967.65	0.82	ppb
Chromium	52-2	0.89	1.03	0.96	0.96	7.31	ppb
Cobalt	59-2	0.09	0.09	0.13	0.10	20.11	ppb
Copper	63-2	10.32	10.62	10.51	10.48	1.44	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				92		%
Indium	115-1				100		%
Indium	115-2				88		%
Iron	56-2	194.65	202.09	199.69	198.81	1.91	ppb
Iron	57-2	197.92	203.78	207.80	203.16	2.44	ppb
Krypton	83-1						cps
Lead	207-1	1.09	0.90	0.98	0.99	9.91	ppb
Lead	208-1	1.08	0.95	1.03	1.02	6.59	ppb
Lead	206-1	1.14	1.05	1.16	1.12	5.38	ppb
Lithium	6-1				116		%
Magnesium	24-2	6453.58	6597.99	6553.03	6534.87	1.13	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01DUP	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:46:46	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	16.13	16.28	16.52	16.31	1.21	ppb
Molybdenum	94-1	0.34	0.40	0.39	0.38	9.00	ppb
Molybdenum	95-1	0.25	0.24	0.30	0.26	13.13	ppb
Molybdenum	96-1	0.29	0.27	0.21	0.26	17.65	ppb
Molybdenum	97-1	0.33	0.36	0.30	0.33	9.94	ppb
Molybdenum	98-1	0.23	0.24	0.23	0.23	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.59	0.55	0.47	0.53	11.62	ppb
Phosphorus	31-2	4.72	-19.46	-32.95	-15.89		ppb
Potassium	39-2	1855.13	1919.95	1842.56	1872.54	2.22	ppb
Rhodium	103-1				94		%
Rhodium	103-2				90		%
Scandium	45-1				89		%
Scandium	45-2				85		%
Selenium	77-2	-5.65	-5.65	-5.65	-5.65		ppb
Selenium	78-2	0.34	0.34	-0.28	0.13	270.71	ppb
Selenium	82-1	-0.51	-0.01	-0.89	-0.47		ppb
Silicon	28-1	227.88	361.08	276.44	288.47	23.37	ppb
Silver	109-1	1.58	1.33	1.19	1.37	14.51	ppb
Silver	107-1	1.51	1.31	1.24	1.35	10.38	ppb
Sodium	23-2	57675.02	59628.58	58263.46	58522.35	1.71	ppb
Strontium	86-1	62.06	61.32	61.31	61.56	0.70	ppb
Strontium	88-1	61.82	61.59	61.56	61.66	0.23	ppb
Sulfur	34-1	531.89	-223.78	-223.73	28.12	1551.26	ppb
Terbium	159-1				100		%
Terbium	159-2				92		%
Thallium	203-1	-0.04	-0.03	-0.04	-0.04		ppb
Thallium	205-1	-0.03	-0.02	-0.02	-0.02		ppb
Tin	118-1	4.51	4.43	4.45	4.46	0.94	ppb
Titanium	47-1	2.53	3.00	5.10	3.55	38.66	ppb
Uranium	238-1	0.35	0.37	0.38	0.37	3.00	ppb
Vanadium	51-2	1.05	1.16	1.26	1.16	8.95	ppb
Yttrium	89-1				95		%
Yttrium	89-2				87		%
Zinc	66-2	8.10	8.36	7.86	8.11	3.06	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01DUP	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:46:46	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.10	0.10	0.08	0.10	14.91	ppb
Zirconium	91-1	0.12	0.39	0.08	0.20	84.17	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01LX5	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NL	Dilution Factor :	5
Date & Time Acquired ::	2019-03-01 17:50:19	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	23.00	19.50	17.67	20.06	13.51	ppb
Antimony	121-1	0.44	0.40	0.36	0.40	9.49	ppb
Arsenic	75-2	0.07	0.13	0.07	0.09	39.06	ppb
Barium	135-1	9.10	9.73	8.93	9.25	4.56	ppb
Barium	137-1	9.00	9.19	9.44	9.21	2.40	ppb
Beryllium	9-1	0.02	0.03	0.03	0.03	14.38	ppb
Bismuth	209-1				103		%
Bismuth	209-2				96		%
Boron	11-1	8.65	8.07	8.09	8.27	3.98	ppb
Boron	10-1	8.24	8.20	7.13	7.86	8.00	ppb
Cadmium	106-1	0.27	0.58	0.95	0.60	57.05	ppb
Cadmium	108-1	0.04	0.20	0.05	0.10	91.05	ppb
Cadmium	111-1	0.02	0.04	0.07	0.04	57.53	ppb
Calcium	43-1	5456.77	5416.81	5418.87	5430.82	0.41	ppb
Calcium	44-1	5535.47	5591.00	5640.83	5589.10	0.94	ppb
Chromium	52-2	0.21	0.29	0.17	0.22	26.77	ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	499.45	ppb
Copper	63-2	2.78	2.54	2.84	2.72	5.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				97		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	56-2	37.80	38.65	38.72	38.39	1.33	ppb
Iron	57-2	44.31	32.55	42.42	39.76	15.88	ppb
Krypton	83-1						cps
Lead	207-1	0.22	0.20	0.19	0.20	8.29	ppb
Lead	208-1	0.21	0.19	0.17	0.19	8.91	ppb
Lead	206-1	0.24	0.19	0.19	0.21	13.37	ppb
Lithium	6-1				88		%
Magnesium	24-2	1322.03	1307.74	1264.70	1298.16	2.30	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01LX5	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NL	Dilution Factor :	5
Date & Time Acquired ::	2019-03-01 17:50:19	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	3.25	3.38	2.86	3.16	8.68	ppb
Molybdenum	94-1	0.14	0.08	0.06	0.09	45.30	ppb
Molybdenum	95-1	0.03	0.05	0.06	0.05	36.46	ppb
Molybdenum	96-1	0.09	0.05	0.06	0.06	31.01	ppb
Molybdenum	97-1	0.14	0.14	0.15	0.14	4.16	ppb
Molybdenum	98-1	0.04	0.06	0.03	0.04	28.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.12	0.09	0.11	0.11	15.96	ppb
Phosphorus	31-2	-35.19	-34.93	-23.11	-31.07		ppb
Potassium	39-2	443.86	434.04	424.88	434.26	2.19	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				93		%
Selenium	77-2	-5.65	-2.02	-5.65	-4.44		ppb
Selenium	78-2	0.26	-0.91	-0.33	-0.33		ppb
Selenium	82-1	-1.34	-2.41	-0.19	-1.32		ppb
Silicon	28-1	40.16	42.07	40.58	40.94	2.46	ppb
Silver	109-1	0.44	0.45	0.42	0.44	3.33	ppb
Silver	107-1	0.41	0.40	0.38	0.40	3.44	ppb
Sodium	23-2	11410.90	11529.83	11607.83	11516.19	0.86	ppb
Strontium	86-1	12.25	12.34	12.06	12.22	1.15	ppb
Strontium	88-1	12.12	12.43	12.10	12.22	1.55	ppb
Sulfur	34-1	-1925.52	-2543.41	-2386.99	-2285.31		ppb
Terbium	159-1				102		%
Terbium	159-2				96		%
Thallium	203-1	-0.03	-0.03	-0.04	-0.03		ppb
Thallium	205-1	-0.01	-0.03	-0.03	-0.02		ppb
Tin	118-1	0.31	0.35	0.30	0.32	7.80	ppb
Titanium	47-1	0.80	0.40	0.55	0.58	34.43	ppb
Uranium	238-1	0.06	0.08	0.08	0.07	12.26	ppb
Vanadium	51-2	0.17	0.15	0.22	0.18	20.21	ppb
Yttrium	89-1				98		%
Yttrium	89-2				94		%
Zinc	66-2	2.03	1.49	1.40	1.64	20.97	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01LX5	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NL	Dilution Factor :	5
Date & Time Acquired ::	2019-03-01 17:50:19	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.01	0.02	0.01	20.12	ppb
Zirconium	91-1	0.00	0.00	0.02	0.01	126.24	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MS	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:53:52	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9316.21	9389.16	8871.54	9192.30	3.05	ppb
Antimony	121-1	479.77	476.14	471.94	475.95	0.82	ppb
Arsenic	75-2	489.11	493.77	487.21	490.03	0.69	ppb
Barium	135-1	2492.77	2507.21	2475.90	2491.96	0.63	ppb
Barium	137-1	2489.50	2521.39	2477.34	2496.08	0.91	ppb
Beryllium	9-1	330.74	326.39	321.76	326.30	1.38	ppb
Bismuth	209-1				101		%
Bismuth	209-2				91		%
Boron	11-1	350.38	353.40	356.05	353.27	0.80	ppb
Boron	10-1	355.79	360.90	362.18	359.62	0.94	ppb
Cadmium	106-1	454.52	457.64	451.84	454.67	0.64	ppb
Cadmium	108-1	458.33	450.84	443.03	450.73	1.70	ppb
Cadmium	111-1	459.97	456.39	454.29	456.88	0.63	ppb
Calcium	43-1	73790.88	76321.30	73707.16	74606.45	1.99	ppb
Calcium	44-1	73997.02	76141.22	73976.71	74704.98	1.67	ppb
Chromium	52-2	521.03	522.60	496.76	513.46	2.82	ppb
Cobalt	59-2	527.91	531.52	505.96	521.80	2.65	ppb
Copper	63-2	1133.60	1137.54	1090.87	1120.67	2.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				93		%
Indium	115-1				97		%
Indium	115-2				83		%
Iron	56-2	27516.24	27541.46	26086.75	27048.15	3.08	ppb
Iron	57-2	27259.15	27587.59	26201.23	27015.99	2.68	ppb
Krypton	83-1						cps
Lead	207-1	450.34	449.59	465.63	455.19	1.99	ppb
Lead	208-1	469.07	473.58	487.77	476.81	2.05	ppb
Lead	206-1	473.25	472.44	482.88	476.19	1.22	ppb
Lithium	6-1				108		%
Magnesium	24-2	63709.88	63801.78	59827.29	62446.31	3.63	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MS	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:53:52	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1078.60	1074.20	1028.46	1060.42	2.62	ppb
Molybdenum	94-1	2382.44	2428.13	2465.31	2425.29	1.71	ppb
Molybdenum	95-1	2326.72	2389.55	2391.99	2369.42	1.56	ppb
Molybdenum	96-1	2322.60	2409.25	2420.09	2383.98	2.24	ppb
Molybdenum	97-1	2332.81	2419.32	2427.18	2393.10	2.19	ppb
Molybdenum	98-1	2323.64	2402.91	2424.78	2383.78	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	541.54	544.69	519.36	535.19	2.58	ppb
Phosphorus	31-2	-45.43	-4.84	5.21	-15.02		ppb
Potassium	39-2	25915.40	26156.64	24859.25	25643.76	2.69	ppb
Rhodium	103-1				92		%
Rhodium	103-2				87		%
Scandium	45-1				88		%
Scandium	45-2				83		%
Selenium	77-2	456.39	396.07	515.18	455.88	13.06	ppb
Selenium	78-2	450.39	420.13	469.40	446.64	5.56	ppb
Selenium	82-1	465.90	477.76	478.24	473.97	1.47	ppb
Silicon	28-1	717.33	734.33	733.48	728.38	1.32	ppb
Silver	109-1	468.88	469.20	471.52	469.87	0.31	ppb
Silver	107-1	465.98	466.72	463.86	465.52	0.32	ppb
Sodium	23-2	107224.92	108673.28	102198.06	106032.09	3.21	ppb
Strontium	86-1	474.46	482.29	479.84	478.86	0.84	ppb
Strontium	88-1	477.16	486.88	488.39	484.14	1.26	ppb
Sulfur	34-1	-797.41	-354.68	-1719.63	-957.24		ppb
Terbium	159-1				103		%
Terbium	159-2				92		%
Thallium	203-1	466.06	467.63	476.98	470.23	1.26	ppb
Thallium	205-1	481.08	488.07	491.74	486.96	1.11	ppb
Tin	118-1	460.86	459.67	459.04	459.86	0.20	ppb
Titanium	47-1	2468.44	2521.46	2472.81	2487.57	1.18	ppb
Uranium	238-1	499.28	511.43	508.57	506.43	1.25	ppb
Vanadium	51-2	514.27	516.82	491.03	507.37	2.80	ppb
Yttrium	89-1				95		%
Yttrium	89-2				85		%
Zinc	66-2	1036.95	1064.04	994.08	1031.69	3.42	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MS	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:53:52	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	509.97	517.83	523.31	517.04	1.30	ppb
Zirconium	91-1	495.59	507.84	516.03	506.49	2.03	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MSD	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:57:20	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8888.33	8986.11	9078.33	8984.26	1.06	ppb
Antimony	121-1	460.49	465.25	470.30	465.35	1.05	ppb
Arsenic	75-2	477.06	473.20	483.00	477.75	1.03	ppb
Barium	135-1	2465.38	2436.56	2447.39	2449.77	0.59	ppb
Barium	137-1	2415.45	2392.00	2432.80	2413.42	0.85	ppb
Beryllium	9-1	339.62	337.57	334.54	337.24	0.76	ppb
Bismuth	209-1				103		%
Bismuth	209-2				90		%
Boron	11-1	368.85	370.46	372.06	370.46	0.43	ppb
Boron	10-1	372.95	376.93	385.33	378.40	1.67	ppb
Cadmium	106-1	445.36	441.74	432.17	439.76	1.55	ppb
Cadmium	108-1	436.13	442.28	444.45	440.95	0.98	ppb
Cadmium	111-1	445.19	449.96	441.63	445.59	0.94	ppb
Calcium	43-1	73778.13	75428.91	75084.69	74763.91	1.16	ppb
Calcium	44-1	73600.46	75236.33	75133.62	74656.80	1.23	ppb
Chromium	52-2	506.89	509.97	504.94	507.27	0.50	ppb
Cobalt	59-2	514.51	518.03	516.67	516.41	0.34	ppb
Copper	63-2	1104.76	1118.51	1109.39	1110.89	0.63	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				93		%
Indium	115-1				97		%
Indium	115-2				82		%
Iron	56-2	26554.24	26732.33	26753.36	26679.97	0.41	ppb
Iron	57-2	26480.13	26730.26	26736.90	26649.10	0.55	ppb
Krypton	83-1						cps
Lead	207-1	439.86	457.29	452.85	450.00	2.01	ppb
Lead	208-1	456.07	477.94	471.95	468.65	2.41	ppb
Lead	206-1	454.15	481.51	473.37	469.67	2.99	ppb
Lithium	6-1				101		%
Magnesium	24-2	82379.65	85489.82	83805.70	83891.73	1.86	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MSD	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:57:20	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1037.07	1045.21	1043.72	1042.00	0.42	ppb
Molybdenum	94-1	2378.75	2449.59	2407.16	2411.83	1.48	ppb
Molybdenum	95-1	2308.77	2364.27	2345.70	2339.58	1.21	ppb
Molybdenum	96-1	2334.21	2361.94	2356.59	2350.91	0.63	ppb
Molybdenum	97-1	2344.80	2419.81	2355.33	2373.31	1.71	ppb
Molybdenum	98-1	2328.40	2382.76	2335.26	2348.81	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	521.84	536.48	531.59	529.97	1.41	ppb
Phosphorus	31-2	-32.32	34.91	-32.17	-9.86		ppb
Potassium	39-2	24995.45	25578.90	25188.64	25254.33	1.18	ppb
Rhodium	103-1				92		%
Rhodium	103-2				88		%
Scandium	45-1				87		%
Scandium	45-2				83		%
Selenium	77-2	504.26	477.84	458.14	480.08	4.82	ppb
Selenium	78-2	489.51	455.16	459.96	468.21	3.97	ppb
Selenium	82-1	462.94	469.82	459.14	463.97	1.17	ppb
Silicon	28-1	703.74	716.29	729.39	716.47	1.79	ppb
Silver	109-1	455.16	459.74	454.87	456.59	0.60	ppb
Silver	107-1	459.04	459.59	452.76	457.13	0.83	ppb
Sodium	23-2	104544.89	106502.77	105930.31	105659.32	0.95	ppb
Strontium	86-1	472.49	478.07	472.11	474.23	0.70	ppb
Strontium	88-1	477.22	479.39	478.12	478.24	0.23	ppb
Sulfur	34-1	-1316.86	-1252.00	-1563.23	-1377.36		ppb
Terbium	159-1				105		%
Terbium	159-2				92		%
Thallium	203-1	450.67	476.74	465.72	464.38	2.82	ppb
Thallium	205-1	465.35	492.03	490.42	482.60	3.10	ppb
Tin	118-1	446.11	450.30	453.41	449.94	0.81	ppb
Titanium	47-1	2418.21	2469.18	2459.41	2448.93	1.10	ppb
Uranium	238-1	492.91	518.58	515.04	508.84	2.73	ppb
Vanadium	51-2	500.45	506.41	497.73	501.53	0.89	ppb
Yttrium	89-1				95		%
Yttrium	89-2				85		%
Zinc	66-2	1003.62	1017.96	1006.31	1009.30	0.76	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MSD	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:57:20	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	502.70	511.75	502.13	505.53	1.07	ppb
Zirconium	91-1	492.87	499.88	494.82	495.86	0.73	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01A	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:00:47	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8955.45	8876.93	9133.38	8988.59	1.46	ppb
Antimony	121-1	472.83	477.94	464.64	471.80	1.42	ppb
Arsenic	75-2	493.66	484.24	483.82	487.24	1.14	ppb
Barium	135-1	2476.88	2510.48	2460.52	2482.63	1.03	ppb
Barium	137-1	2495.00	2481.92	2423.50	2466.81	1.54	ppb
Beryllium	9-1	357.44	352.75	348.33	352.84	1.29	ppb
Bismuth	209-1				104		%
Bismuth	209-2				89		%
Boron	11-1	396.92	385.01	394.12	392.02	1.59	ppb
Boron	10-1	403.63	396.09	405.35	401.69	1.23	ppb
Cadmium	106-1	433.01	455.32	433.82	440.72	2.87	ppb
Cadmium	108-1	447.77	455.97	439.45	447.73	1.84	ppb
Cadmium	111-1	450.46	459.64	441.53	450.54	2.01	ppb
Calcium	43-1	73432.18	74746.66	73765.69	73981.51	0.92	ppb
Calcium	44-1	72984.72	74566.78	74572.41	74041.30	1.24	ppb
Chromium	52-2	500.78	513.64	521.67	512.03	2.06	ppb
Cobalt	59-2	514.79	521.00	526.17	520.65	1.09	ppb
Copper	63-2	1098.71	1125.41	1147.02	1123.72	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				105		%
Holmium	165-2				92		%
Indium	115-1				96		%
Indium	115-2				82		%
Iron	56-2	26336.35	26610.44	27041.80	26662.86	1.33	ppb
Iron	57-2	26597.87	26736.25	27352.66	26895.59	1.49	ppb
Krypton	83-1						cps
Lead	207-1	439.40	463.03	444.69	449.04	2.76	ppb
Lead	208-1	461.02	483.33	467.10	470.48	2.45	ppb
Lead	206-1	454.82	476.01	465.24	465.36	2.28	ppb
Lithium	6-1				94		%
Magnesium	24-2	70230.62	72089.71	73892.74	72071.02	2.54	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01A	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:00:47	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1036.51	1051.82	1064.67	1051.00	1.34	ppb
Molybdenum	94-1	2419.01	2401.15	2385.28	2401.81	0.70	ppb
Molybdenum	95-1	2347.79	2338.06	2337.36	2341.07	0.25	ppb
Molybdenum	96-1	2352.48	2367.73	2350.54	2356.92	0.40	ppb
Molybdenum	97-1	2394.34	2381.26	2382.09	2385.90	0.31	ppb
Molybdenum	98-1	2363.05	2370.12	2345.38	2359.52	0.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	522.13	536.07	544.13	534.11	2.08	ppb
Phosphorus	31-2	-19.21	8.58	-45.20	-18.61		ppb
Potassium	39-2	24994.54	25489.07	25817.84	25433.82	1.63	ppb
Rhodium	103-1				92		%
Rhodium	103-2				88		%
Scandium	45-1				88		%
Scandium	45-2				82		%
Selenium	77-2	553.08	515.95	482.69	517.24	6.81	ppb
Selenium	78-2	499.10	460.83	489.30	483.08	4.11	ppb
Selenium	82-1	460.61	463.65	459.45	461.24	0.47	ppb
Silicon	28-1	689.94	790.54	704.16	728.21	7.48	ppb
Silver	109-1	461.98	474.89	458.27	465.05	1.88	ppb
Silver	107-1	466.60	468.35	454.90	463.28	1.58	ppb
Sodium	23-2	103739.79	105887.09	107158.44	105595.11	1.64	ppb
Strontium	86-1	476.24	477.23	473.69	475.72	0.38	ppb
Strontium	88-1	481.17	479.36	475.78	478.77	0.57	ppb
Sulfur	34-1	-2038.18	-2337.31	-2401.45	-2258.98		ppb
Terbium	159-1				104		%
Terbium	159-2				91		%
Thallium	203-1	451.93	468.52	459.29	459.91	1.81	ppb
Thallium	205-1	465.28	484.06	474.20	474.51	1.98	ppb
Tin	118-1	449.98	459.83	447.38	452.40	1.45	ppb
Titanium	47-1	2412.91	2454.17	2473.46	2446.85	1.26	ppb
Uranium	238-1	484.53	512.91	499.45	498.96	2.85	ppb
Vanadium	51-2	497.92	502.94	513.97	504.94	1.63	ppb
Yttrium	89-1				95		%
Yttrium	89-2				85		%
Zinc	66-2	1001.16	1026.45	1047.84	1025.15	2.28	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01A	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:00:47	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	517.35	518.26	509.06	514.89	0.98	ppb
Zirconium	91-1	499.91	503.28	495.98	499.72	0.73	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BL	Instrumnet Name :	P8
Client Sample ID :	PB117527BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:08:06	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.30	0.49	2.82	1.00	162.13	ppb
Antimony	121-1	0.06	0.06	0.03	0.05	29.49	ppb
Arsenic	75-2	0.01	0.04	0.01	0.02	97.31	ppb
Barium	135-1	0.01	0.03	0.01	0.02	77.72	ppb
Barium	137-1	0.03	0.02	0.02	0.02	33.92	ppb
Beryllium	9-1	0.11	0.08	0.11	0.10	18.10	ppb
Bismuth	209-1				99		%
Bismuth	209-2				96		%
Boron	11-1	9.48	9.83	9.35	9.56	2.56	ppb
Boron	10-1	9.49	9.50	9.85	9.61	2.18	ppb
Cadmium	106-1	-0.43	0.54	0.61	0.24	241.29	ppb
Cadmium	108-1	-0.10	0.00	-0.10	-0.07		ppb
Cadmium	111-1	-0.02	0.05	0.05	0.03	156.88	ppb
Calcium	43-1	-2.53	2.79	-0.37	-0.04		ppb
Calcium	44-1	10.75	9.12	9.32	9.73	9.13	ppb
Chromium	52-2	-0.01	0.22	0.13	0.11	100.60	ppb
Cobalt	59-2	-0.02	-0.01	-0.02	-0.02		ppb
Copper	63-2	0.49	0.41	0.39	0.43	12.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				96		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	56-2	0.09	0.52	0.75	0.45	73.19	ppb
Iron	57-2	-1.58	-2.41	-1.75	-1.92		ppb
Krypton	83-1						cps
Lead	207-1	0.20	0.24	0.26	0.23	12.02	ppb
Lead	208-1	0.21	0.25	0.24	0.23	9.20	ppb
Lead	206-1	0.19	0.19	0.19	0.19	2.23	ppb
Lithium	6-1				76		%
Magnesium	24-2	-2.05	-1.73	2.22	-0.52		ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BL	Instrumnet Name :	P8
Client Sample ID :	PB117527BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:08:06	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.04	0.06	0.11	0.04	186.09	ppb
Molybdenum	94-1	0.10	0.07	0.04	0.07	45.80	ppb
Molybdenum	95-1	0.06	0.06	0.06	0.06	3.98	ppb
Molybdenum	96-1	0.05	0.02	0.04	0.04	37.65	ppb
Molybdenum	97-1	0.15	0.18	0.19	0.17	10.61	ppb
Molybdenum	98-1	0.07	0.05	0.07	0.06	18.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.08	0.02	0.07	67.90	ppb
Phosphorus	31-2	-47.13	-47.26	-34.78	-43.06		ppb
Potassium	39-2	45.91	21.45	43.49	36.95	36.47	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	77-2	-5.65	-5.65	-5.65	-5.65		ppb
Selenium	78-2	-0.34	-0.33	0.24	-0.15		ppb
Selenium	82-1	-0.48	-2.80	-2.14	-1.81		ppb
Silicon	28-1	-8.00	-18.08	-16.75	-14.27		ppb
Silver	109-1	0.05	0.04	0.07	0.05	29.50	ppb
Silver	107-1	0.05	0.09	0.06	0.06	31.20	ppb
Sodium	23-2	53.80	50.11	58.70	54.20	7.95	ppb
Strontium	86-1	-0.06	-0.10	-0.15	-0.10		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-3272.08	-3857.94	-3464.85	-3531.62		ppb
Terbium	159-1				102		%
Terbium	159-2				96		%
Thallium	203-1	-0.03	-0.03	-0.02	-0.03		ppb
Thallium	205-1	-0.02	-0.01	-0.02	-0.02		ppb
Tin	118-1	0.09	0.07	0.09	0.08	13.45	ppb
Titanium	47-1	0.13	0.13	0.07	0.11	34.10	ppb
Uranium	238-1	0.00	0.00	0.01	0.00	111.02	ppb
Vanadium	51-2	0.01	-0.01	0.00	0.00	5841.54	ppb
Yttrium	89-1				99		%
Yttrium	89-2				95		%
Zinc	66-2	0.09	-0.06	0.03	0.02	339.19	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BL	Instrumnet Name :	P8
Client Sample ID :	PB117527BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:08:06	DataFile Name :	029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.01	0.00	0.01	129.94	ppb
Zirconium	91-1	0.02	0.02	0.01	0.02	47.44	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV22	Instrumnet Name :	P8
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:11:42	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46258.21	47170.73	47378.60	46935.85	1.27	ppb
Antimony	121-1	469.94	483.56	496.60	483.37	2.76	ppb
Arsenic	75-2	487.78	487.30	477.84	484.31	1.16	ppb
Barium	135-1	2321.46	2416.53	2441.76	2393.25	2.65	ppb
Barium	137-1	2360.15	2413.40	2456.88	2410.14	2.01	ppb
Beryllium	9-1	528.79	519.45	521.69	523.31	0.93	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Boron	11-1	522.20	524.90	529.22	525.44	0.67	ppb
Boron	10-1	526.77	530.98	536.59	531.44	0.93	ppb
Cadmium	106-1	465.10	478.95	458.18	467.41	2.26	ppb
Cadmium	108-1	459.43	463.90	468.06	463.80	0.93	ppb
Cadmium	111-1	452.70	462.33	468.13	461.05	1.69	ppb
Calcium	43-1	227248.38	228565.03	227578.80	227797.40	0.30	ppb
Calcium	44-1	226274.93	229801.19	225647.45	227241.19	0.99	ppb
Chromium	52-2	482.01	492.44	490.50	488.32	1.14	ppb
Cobalt	59-2	478.21	483.14	485.65	482.33	0.78	ppb
Copper	63-2	934.67	949.42	950.03	944.71	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				106		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	120992.69	122952.00	122358.64	122101.11	0.82	ppb
Iron	57-2	123423.67	125121.94	125399.65	124648.42	0.86	ppb
Krypton	83-1						cps
Lead	207-1	467.24	451.51	465.21	461.32	1.86	ppb
Lead	208-1	484.51	465.30	474.20	474.67	2.03	ppb
Lead	206-1	474.08	456.01	468.92	466.34	2.00	ppb
Lithium	6-1				87		%
Magnesium	24-2	226044.50	229436.78	229905.67	228462.32	0.92	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV22	Instrumnet Name :	P8
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:11:42	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	928.66	937.08	937.44	934.39	0.53	ppb
Molybdenum	94-1	2406.75	2382.83	2350.64	2380.07	1.18	ppb
Molybdenum	95-1	2413.19	2371.42	2350.33	2378.31	1.35	ppb
Molybdenum	96-1	2409.85	2401.77	2370.62	2394.08	0.87	ppb
Molybdenum	97-1	2426.76	2371.81	2375.47	2391.34	1.28	ppb
Molybdenum	98-1	2413.61	2366.13	2342.20	2373.98	1.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	484.74	489.74	491.24	488.57	0.70	ppb
Phosphorus	31-2	10195.81	9461.90	9603.99	9753.90	3.99	ppb
Potassium	39-2	115497.71	116394.36	117664.59	116518.89	0.93	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	538.35	520.53	528.60	529.16	1.69	ppb
Selenium	78-2	470.25	488.27	495.45	484.66	2.68	ppb
Selenium	82-1	468.28	466.08	464.32	466.23	0.42	ppb
Silicon	28-1	495.48	505.38	516.20	505.69	2.05	ppb
Silver	109-1	460.98	473.90	475.02	469.97	1.66	ppb
Silver	107-1	463.60	470.57	472.46	468.88	1.00	ppb
Sodium	23-2	225983.08	228882.60	230715.41	228527.03	1.04	ppb
Strontium	86-1	471.56	467.71	463.56	467.61	0.86	ppb
Strontium	88-1	480.37	474.53	473.59	476.16	0.77	ppb
Sulfur	34-1	8693.77	8826.15	8685.70	8735.21	0.90	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	477.07	455.02	466.92	466.34	2.37	ppb
Thallium	205-1	490.14	473.82	485.31	483.09	1.74	ppb
Tin	118-1	466.64	478.12	484.30	476.35	1.88	ppb
Titanium	47-1	2411.00	2426.22	2412.82	2416.68	0.34	ppb
Uranium	238-1	513.83	485.93	494.66	498.14	2.87	ppb
Vanadium	51-2	480.48	488.90	488.78	486.05	0.99	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	910.83	925.80	920.61	919.08	0.83	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV22	Instrumnet Name :	P8
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:11:42	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	496.58	496.53	492.08	495.06	0.52	ppb
Zirconium	91-1	483.30	480.48	476.15	479.98	0.75	ppb

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : CCB22 Instrumnet Name : P8
 Client Sample ID : CCB22 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 18:16:11 DataFile Name : 031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.24	0.09	0.62	0.65	88.25	ppb
Antimony	121-1	0.16	0.14	0.19	0.16	17.42	ppb
Arsenic	75-2	0.01	0.03	0.01	0.02	109.98	ppb
Barium	135-1	0.03	0.05	0.04	0.04	25.73	ppb
Barium	137-1	0.02	0.03	0.03	0.03	13.39	ppb
Beryllium	9-1	0.10	0.09	0.14	0.11	22.41	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Boron	11-1	9.10	8.64	8.38	8.71	4.19	ppb
Boron	10-1	8.64	8.08	9.94	8.89	10.75	ppb
Cadmium	106-1	0.62	0.72	2.08	1.14	71.64	ppb
Cadmium	108-1	-0.01	0.09	0.09	0.06	95.73	ppb
Cadmium	111-1	0.05	0.05	0.15	0.08	71.67	ppb
Calcium	43-1	6.85	1.59	-2.92	1.84	265.88	ppb
Calcium	44-1	19.53	21.16	12.28	17.65	26.78	ppb
Chromium	52-2	0.22	0.18	0.19	0.20	9.39	ppb
Cobalt	59-2	-0.02	0.01	-0.01	-0.01		ppb
Copper	63-2	0.48	0.46	0.43	0.46	5.89	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	1.00	0.86	0.85	0.90	9.14	ppb
Iron	57-2	-0.30	1.50	0.36	0.52	174.37	ppb
Krypton	83-1						cps
Lead	207-1	0.37	0.29	0.34	0.33	11.00	ppb
Lead	208-1	0.35	0.33	0.35	0.34	3.19	ppb
Lead	206-1	0.32	0.33	0.32	0.32	1.52	ppb
Lithium	6-1				92		%
Magnesium	24-2	0.33	-0.82	1.53	0.35	338.78	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB22	Instrumnet Name :	P8
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:16:11	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.01	0.10	0.00	0.04	163.17	ppb
Molybdenum	94-1	0.14	0.11	0.09	0.11	19.63	ppb
Molybdenum	95-1	0.11	0.11	0.10	0.10	6.88	ppb
Molybdenum	96-1	0.11	0.11	0.11	0.11	2.23	ppb
Molybdenum	97-1	0.18	0.11	0.13	0.14	24.20	ppb
Molybdenum	98-1	0.10	0.09	0.08	0.09	12.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.05	0.01	0.03	57.33	ppb
Phosphorus	31-2	-47.42	-24.77	-47.52	-39.91		ppb
Potassium	39-2	45.39	41.10	43.91	43.46	5.02	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	77-2	-5.65	-5.65	-5.65	-5.65		ppb
Selenium	78-2	-0.36	1.86	-0.91	0.20	743.89	ppb
Selenium	82-1	-0.56	-0.46	-1.73	-0.92		ppb
Silicon	28-1	-13.56	-10.88	-14.71	-13.05		ppb
Silver	109-1	0.07	0.08	0.08	0.08	7.61	ppb
Silver	107-1	0.09	0.08	0.05	0.07	31.71	ppb
Sodium	23-2	79.64	70.50	74.02	74.72	6.17	ppb
Strontium	86-1	-0.05	-0.04	-0.05	-0.05		ppb
Strontium	88-1	0.01	0.00	0.00	0.00	64.80	ppb
Sulfur	34-1	-3522.14	-2775.56	-3653.73	-3317.14		ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	0.00	-0.02	0.01	0.00		ppb
Thallium	205-1	0.03	0.02	0.01	0.02	66.70	ppb
Tin	118-1	0.05	0.04	0.09	0.06	47.35	ppb
Titanium	47-1	0.10	0.07	0.11	0.09	18.75	ppb
Uranium	238-1	0.00	0.01	0.01	0.01	64.16	ppb
Vanadium	51-2	0.00	-0.02	0.00	-0.01		ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	0.22	0.14	0.11	0.16	35.60	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB22	Instrumnet Name :	P8
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:16:11	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.02	0.02	0.02	19.06	ppb
Zirconium	91-1	0.06	0.03	0.01	0.03	68.36	ppb

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:18:43	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60	55	53	56	6.85	cps
Antimony	121-1	117	83	83	94	20.37	cps
Arsenic	75-2	20	2	4	9	118.06	cps
Barium	135-1	42	25	67	44	47.19	cps
Barium	137-1	67	50	67	61	15.75	cps
Beryllium	9-1	57	107	63	76	35.93	cps
Bismuth	209-1	1653904	1584191	1681025	1639707	3.05	cps
Bismuth	209-2	823614	834922	837335	831957	0.88	cps
Boron	11-1	550	533	525	536	2.37	cps
Boron	10-1	100	133	83	106	24.12	cps
Cadmium	106-1	617	850	675	714	17.01	cps
Cadmium	108-1	13	4	8	8	49.98	cps
Cadmium	111-1	431	600	479	504	17.31	cps
Calcium	43-1	390	350	357	366	5.86	cps
Calcium	44-1	40702	41130	41384	41072	0.84	cps
Chromium	52-2	1783	1643	1687	1705	4.21	cps
Cobalt	59-2	127	130	140	132	5.25	cps
Copper	63-2	437	410	377	408	7.37	cps
Dysprosium	156-1	50	33	25	36	35.25	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	8	8	33	17	86.62	cps
Erbium	164-2	10	3	0	4	114.60	cps
Gadolinium	160-1	25	33	17	25	33.34	cps
Gadolinium	160-2	7	7	7	7	0.00	cps
Holmium	165-1	2813082	2838705	2907532	2853106	1.71	cps
Holmium	165-2	1107627	1100963	1110104	1106231	0.43	cps
Indium	115-1	2809031	2859096	2908286	2858804	1.74	cps
Indium	115-2	230953	232060	235152	232721	0.94	cps
Iron	56-2	4023	3901	4234	4053	4.16	cps
Iron	57-2	144	128	156	143	9.81	cps
Krypton	83-1	897	877	967	913	5.17	cps
Lead	207-1	167	183	172	174	4.88	cps
Lead	208-1	833	844	767	815	5.16	cps
Lead	206-1	200	244	239	228	10.63	cps
Lithium	6-1	561994	562981	571150	565375	0.89	cps
Magnesium	24-2	408	608	500	506	19.80	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:18:43	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	70	73	87	77	11.50	cps
Molybdenum	94-1	125	167	167	153	15.74	cps
Molybdenum	95-1	17	42	0	19	107.85	cps
Molybdenum	96-1	58	108	92	86	29.56	cps
Molybdenum	97-1	92	150	167	136	28.94	cps
Molybdenum	98-1	50	42	42	44	10.82	cps
Neodymium	150-1	13	7	27	16	65.47	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	137	90	93	107	24.41	cps
Phosphorus	31-2	0	25	8	11	114.58	cps
Potassium	39-2	6210	5860	6043	6038	2.90	cps
Rhodium	103-1	2833077	2854343	2929918	2872446	1.77	cps
Rhodium	103-2	1149174	1142534	1158213	1149973	0.68	cps
Scandium	45-1	2438852	2417417	2455193	2437154	0.78	cps
Scandium	45-2	31983	32849	32618	32483	1.38	cps
Selenium	77-2	10	0	7	6	91.64	cps
Selenium	78-2	0	6	4	3	91.69	cps
Selenium	82-1	-26	126	-104	-1	-8281.45	cps
Silicon	28-1	432274	435266	432175	433238	0.41	cps
Silver	109-1	67	125	75	89	35.50	cps
Silver	107-1	183	125	117	142	25.64	cps
Sodium	23-2	9996	9937	9504	9812	2.74	cps
Strontium	86-1	1525	1267	1458	1417	9.47	cps
Strontium	88-1	175	175	117	156	21.65	cps
Sulfur	34-1	607211	607014	606836	607020	0.03	cps
Terbium	159-1	3026062	3014920	3030783	3023922	0.27	cps
Terbium	159-2	1088705	1101715	1099174	1096531	0.63	cps
Thallium	203-1	117	133	183	144	24.02	cps
Thallium	205-1	333	192	250	258	27.56	cps
Tin	118-1	225	333	275	278	19.52	cps
Titanium	47-1	133	83	67	94	36.73	cps
Uranium	238-1	8	25	17	17	50.01	cps
Vanadium	51-2	20	17	20	19	10.18	cps
Yttrium	89-1	3384928	3369681	3503076	3419228	2.14	cps
Yttrium	89-2	186612	185882	188677	187057	0.78	cps
Zinc	66-2	83	90	97	90	7.41	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:18:43	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	325	283	325	311	7.73	cps
Zirconium	91-1	83	75	83	81	5.98	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:26:18 DataFile Name : 005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	180	205	223	203	10.55	cps
Antimony	121-1	8303	8820	8328	8484	3.44	cps
Arsenic	75-2	137	124	96	119	17.47	cps
Barium	135-1	8511	8386	8453	8450	0.74	cps
Barium	137-1	14725	15435	15743	15301	3.41	cps
Beryllium	9-1	1150	1180	1063	1131	5.36	cps
Bismuth	209-1	1685910	1632058	1666480	1661483	1.64	cps
Bismuth	209-2	830782	836559	837635	834992	0.44	cps
Boron	11-1	17378	18020	18613	18004	3.43	cps
Boron	10-1	3409	3334	4042	3595	10.83	cps
Cadmium	106-1	900	933	817	883	6.80	cps
Cadmium	108-1	92	75	92	86	11.18	cps
Cadmium	111-1	1620	1580	1520	1573	3.20	cps
Calcium	43-1	7319	7652	7262	7411	2.85	cps
Calcium	44-1	157282	155809	158990	157360	1.01	cps
Chromium	52-2	3551	3397	3334	3427	3.25	cps
Cobalt	59-2	1597	1730	1847	1725	7.25	cps
Copper	63-2	3127	3237	2877	3080	5.99	cps
Dysprosium	156-1	17	33	42	31	41.66	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	25	25	50	33	43.30	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	67	17	0	28	124.89	cps
Gadolinium	160-2	7	3	0	3	100.05	cps
Holmium	165-1	2866293	2836827	2846375	2849832	0.53	cps
Holmium	165-2	1114041	1120334	1112212	1115529	0.38	cps
Indium	115-1	2843593	2811669	2855215	2836826	0.79	cps
Indium	115-2	232870	228533	234109	231837	1.26	cps
Iron	56-2	34861	35206	35535	35200	0.96	cps
Iron	57-2	806	933	1050	930	13.15	cps
Krypton	83-1	973	987	980	980	0.68	cps
Lead	207-1	1789	1984	2206	1993	10.46	cps
Lead	208-1	8362	8879	8851	8698	3.34	cps
Lead	206-1	2189	2167	2161	2172	0.68	cps
Lithium	6-1	580186	582286	584533	582335	0.37	cps
Magnesium	24-2	18830	18821	18763	18805	0.19	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:26:18 DataFile Name : 005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	340	400	377	372	8.13	cps
Molybdenum	94-1	8144	8561	8461	8389	2.59	cps
Molybdenum	95-1	10404	10304	11038	10582	3.76	cps
Molybdenum	96-1	11430	11914	12306	11883	3.69	cps
Molybdenum	97-1	7169	6569	6285	6674	6.76	cps
Molybdenum	98-1	16694	16602	16194	16497	1.62	cps
Neodymium	150-1	0	20	7	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	603	637	597	612	3.50	cps
Phosphorus	31-2	92	67	75	78	16.37	cps
Potassium	39-2	17520	17486	16869	17292	2.12	cps
Rhodium	103-1	2896563	2836616	2856904	2863361	1.06	cps
Rhodium	103-2	1143936	1133010	1147752	1141566	0.67	cps
Scandium	45-1	2410992	2378898	2430603	2406831	1.08	cps
Scandium	45-2	32885	32093	31940	32306	1.57	cps
Selenium	77-2	10	10	0	7	86.60	cps
Selenium	78-2	26	28	22	25	11.19	cps
Selenium	82-1	303	282	355	313	11.84	cps
Silicon	28-1	468415	467807	467786	468003	0.08	cps
Silver	109-1	5085	5085	5310	5160	2.52	cps
Silver	107-1	5235	5418	5093	5248	3.11	cps
Sodium	23-2	50123	51461	51068	50884	1.35	cps
Strontium	86-1	2634	2809	2625	2689	3.85	cps
Strontium	88-1	11397	11447	11589	11478	0.87	cps
Sulfur	34-1	616220	618615	616507	617114	0.21	cps
Terbium	159-1	3048368	3014612	3050321	3037767	0.66	cps
Terbium	159-2	1101224	1098533	1085779	1095178	0.75	cps
Thallium	203-1	2575	2892	2517	2662	7.58	cps
Thallium	205-1	6310	5985	5960	6085	3.21	cps
Tin	118-1	15218	15318	15376	15304	0.52	cps
Titanium	47-1	3809	3617	3667	3698	2.69	cps
Uranium	238-1	6961	6627	6510	6699	3.49	cps
Vanadium	51-2	3310	3424	3541	3425	3.36	cps
Yttrium	89-1	3384491	3362720	3369964	3372392	0.33	cps
Yttrium	89-2	188834	189201	188021	188686	0.32	cps
Zinc	66-2	423	440	407	423	3.94	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:26:18	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6635	6894	6602	6710	2.38	cps
Zirconium	91-1	1450	1617	1525	1531	5.45	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:30:15 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8850	8798	8998	8882	1.17	cps
Antimony	121-1	237245	235648	231278	234723	1.32	cps
Arsenic	75-2	6505	6439	6255	6400	2.02	cps
Barium	135-1	229551	230875	227709	229378	0.69	cps
Barium	137-1	396234	401268	400575	399359	0.68	cps
Beryllium	9-1	55831	57026	57504	56787	1.52	cps
Bismuth	209-1	1642420	1686048	1659213	1662560	1.32	cps
Bismuth	209-2	844323	849953	860515	851597	0.97	cps
Boron	11-1	37199	36481	38110	37263	2.19	cps
Boron	10-1	7536	7486	7652	7558	1.13	cps
Cadmium	106-1	7411	6502	7002	6972	6.53	cps
Cadmium	108-1	4151	4092	3992	4078	1.96	cps
Cadmium	111-1	57629	56740	56416	56929	1.10	cps
Calcium	43-1	77087	78447	77700	77745	0.88	cps
Calcium	44-1	1298886	1316425	1309196	1308169	0.67	cps
Chromium	52-2	47584	46801	48383	47590	1.66	cps
Cobalt	59-2	90206	90642	91153	90667	0.52	cps
Copper	63-2	146910	144883	147530	146441	0.95	cps
Dysprosium	156-1	33	33	58	42	34.65	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	0	25	33	19	89.21	cps
Erbium	164-2	3	0	0	1	173.21	cps
Gadolinium	160-1	42	25	17	28	45.82	cps
Gadolinium	160-2	0	0	3	1	173.21	cps
Holmium	165-1	2871511	2903997	2896701	2890736	0.59	cps
Holmium	165-2	1129762	1130109	1141651	1133841	0.60	cps
Indium	115-1	2838945	2913714	2866135	2872931	1.32	cps
Indium	115-2	237457	234513	234606	235525	0.71	cps
Iron	56-2	1601692	1594037	1610741	1602157	0.52	cps
Iron	57-2	39256	39846	40119	39740	1.11	cps
Krypton	83-1	867	903	993	921	7.08	cps
Lead	207-1	96924	95261	97242	96476	1.10	cps
Lead	208-1	429942	431266	432727	431311	0.32	cps
Lead	206-1	106930	108577	106214	107240	1.13	cps
Lithium	6-1	582890	587304	591635	587276	0.74	cps
Magnesium	24-2	193636	191320	194606	193187	0.87	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:30:15	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	28459	28493	29040	28664	1.14	cps
Molybdenum	94-1	455940	460995	456777	457904	0.59	cps
Molybdenum	95-1	567716	573869	573856	571813	0.62	cps
Molybdenum	96-1	627726	633074	629548	630116	0.43	cps
Molybdenum	97-1	351932	348757	357336	352675	1.23	cps
Molybdenum	98-1	909672	898551	912383	906869	0.81	cps
Neodymium	150-1	20	20	27	22	17.33	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	26198	26235	26459	26297	0.54	cps
Phosphorus	31-2	783	708	675	722	7.68	cps
Potassium	39-2	65997	64692	65009	65233	1.04	cps
Rhodium	103-1	2839840	2815072	2860807	2838573	0.81	cps
Rhodium	103-2	1158110	1154353	1153236	1155233	0.22	cps
Scandium	45-1	2425222	2461221	2431700	2439381	0.79	cps
Scandium	45-2	32882	32932	32601	32805	0.54	cps
Selenium	77-2	50	67	47	54	19.68	cps
Selenium	78-2	150	194	178	174	12.90	cps
Selenium	82-1	4249	4291	4068	4203	2.82	cps
Silicon	28-1	647950	651826	656694	652157	0.67	cps
Silver	109-1	254163	254289	252363	253605	0.42	cps
Silver	107-1	270826	267826	268698	269117	0.57	cps
Sodium	23-2	452618	458905	458094	456539	0.75	cps
Strontium	86-1	82701	84243	83975	83640	0.99	cps
Strontium	88-1	705034	694666	699136	699612	0.74	cps
Sulfur	34-1	643991	636528	637678	639399	0.63	cps
Terbium	159-1	3077417	3073020	3061025	3070488	0.28	cps
Terbium	159-2	1120287	1106521	1128180	1118329	0.98	cps
Thallium	203-1	132983	133184	133682	133283	0.27	cps
Thallium	205-1	318510	316033	317193	317245	0.39	cps
Tin	118-1	155393	156144	154797	155445	0.43	cps
Titanium	47-1	190250	189848	191619	190572	0.49	cps
Uranium	238-1	380441	377769	377896	378702	0.40	cps
Vanadium	51-2	34700	34112	34015	34275	1.08	cps
Yttrium	89-1	3414380	3369945	3403514	3395946	0.68	cps
Yttrium	89-2	187188	190696	191737	189873	1.26	cps
Zinc	66-2	16513	16587	16263	16454	1.03	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:30:15	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	375124	370533	374619	373425	0.67	cps
Zirconium	91-1	83003	82778	81411	82397	1.05	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:34:10 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22644	22967	22666	22759	0.79	cps
Antimony	121-1	614929	618725	621114	618256	0.50	cps
Arsenic	75-2	16499	16686	16467	16551	0.71	cps
Barium	135-1	609279	609992	609962	609744	0.07	cps
Barium	137-1	1065503	1052266	1062269	1060012	0.65	cps
Beryllium	9-1	152687	149433	150833	150984	1.08	cps
Bismuth	209-1	1655719	1695743	1721333	1690932	1.96	cps
Bismuth	209-2	862089	858423	864003	861505	0.33	cps
Boron	11-1	98211	98210	99217	98546	0.59	cps
Boron	10-1	19623	20165	20741	20176	2.77	cps
Cadmium	106-1	16786	16452	16528	16589	1.05	cps
Cadmium	108-1	10625	10675	10333	10545	1.75	cps
Cadmium	111-1	148357	149179	148356	148631	0.32	cps
Calcium	43-1	201896	201112	202336	201782	0.31	cps
Calcium	44-1	3295485	3287969	3306252	3296569	0.28	cps
Chromium	52-2	121711	119424	120826	120654	0.96	cps
Cobalt	59-2	232332	233110	233525	232989	0.26	cps
Copper	63-2	382655	380194	382947	381932	0.40	cps
Dysprosium	156-1	17	33	42	31	41.66	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	50	33	36	35.25	cps
Erbium	164-2	7	7	10	8	24.71	cps
Gadolinium	160-1	25	8	8	14	69.31	cps
Gadolinium	160-2	7	3	0	3	100.05	cps
Holmium	165-1	2847685	2935486	2974489	2919220	2.22	cps
Holmium	165-2	1153731	1160393	1152560	1155561	0.37	cps
Indium	115-1	2862673	2878025	2897494	2879397	0.61	cps
Indium	115-2	238226	234566	237221	236671	0.80	cps
Iron	56-2	4132814	4063151	4158849	4118271	1.20	cps
Iron	57-2	103969	102016	103140	103042	0.95	cps
Krypton	83-1	980	920	917	939	3.80	cps
Lead	207-1	254745	252332	253279	253452	0.48	cps
Lead	208-1	1133613	1127412	1132795	1131273	0.30	cps
Lead	206-1	279723	278985	281066	279925	0.38	cps
Lithium	6-1	597121	605427	616702	606417	1.62	cps
Magnesium	24-2	505343	497114	502751	501736	0.84	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:34:10	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	75962	74420	76317	75566	1.33	cps
Molybdenum	94-1	1189949	1190316	1204965	1195077	0.72	cps
Molybdenum	95-1	1519967	1512343	1514816	1515709	0.26	cps
Molybdenum	96-1	1689401	1690862	1702764	1694343	0.43	cps
Molybdenum	97-1	921572	919335	921062	920656	0.13	cps
Molybdenum	98-1	2387906	2423181	2398863	2403317	0.75	cps
Neodymium	150-1	47	33	40	40	16.68	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	69338	67158	68106	68201	1.60	cps
Phosphorus	31-2	1825	1717	2042	1861	8.89	cps
Potassium	39-2	160228	158179	161138	159848	0.95	cps
Rhodium	103-1	2797853	2876883	2828542	2834426	1.41	cps
Rhodium	103-2	1164502	1147766	1169877	1160715	0.99	cps
Scandium	45-1	2435133	2426614	2465776	2442507	0.84	cps
Scandium	45-2	32608	32351	33500	32820	1.84	cps
Selenium	77-2	123	110	150	128	15.94	cps
Selenium	78-2	461	454	454	456	0.94	cps
Selenium	82-1	11141	11211	11468	11274	1.53	cps
Silicon	28-1	978070	974805	1050246	1001040	4.26	cps
Silver	109-1	670584	667344	668617	668849	0.24	cps
Silver	107-1	700689	696148	707416	701418	0.81	cps
Sodium	23-2	1208059	1191611	1204881	1201517	0.73	cps
Strontium	86-1	217194	219319	219603	218705	0.60	cps
Strontium	88-1	1879265	1892966	1894217	1888816	0.44	cps
Sulfur	34-1	670995	677395	672470	673620	0.50	cps
Terbium	159-1	3062615	3086926	3149646	3099729	1.45	cps
Terbium	159-2	1145569	1135871	1140883	1140774	0.43	cps
Thallium	203-1	348151	350994	359570	352905	1.68	cps
Thallium	205-1	838764	831137	851044	840315	1.20	cps
Tin	118-1	412787	407644	409828	410086	0.63	cps
Titanium	47-1	500145	503671	507034	503617	0.68	cps
Uranium	238-1	998776	1004536	1009705	1004339	0.54	cps
Vanadium	51-2	89316	88024	89789	89043	1.03	cps
Yttrium	89-1	3386111	3437476	3513351	3445646	1.86	cps
Yttrium	89-2	192811	190225	191338	191458	0.68	cps
Zinc	66-2	43488	43619	43120	43409	0.60	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:34:10	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	961468	963991	971576	965678	0.54	cps
Zirconium	91-1	213965	210842	215737	213515	1.16	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:38:03 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	43903	44576	43397	43959	1.35	cps
Antimony	121-1	1237642	1225748	1218505	1227299	0.79	cps
Arsenic	75-2	31777	31861	31363	31667	0.84	cps
Barium	135-1	1188658	1194816	1179377	1187617	0.65	cps
Barium	137-1	2075933	2100634	2074884	2083817	0.70	cps
Beryllium	9-1	295529	294374	293858	294587	0.29	cps
Bismuth	209-1	1722879	1713593	1718038	1718170	0.27	cps
Bismuth	209-2	867410	862997	866286	865564	0.26	cps
Boron	11-1	191742	192280	192527	192183	0.21	cps
Boron	10-1	38536	38770	38377	38561	0.51	cps
Cadmium	106-1	32014	32407	31839	32086	0.91	cps
Cadmium	108-1	21050	21972	21267	21430	2.25	cps
Cadmium	111-1	289579	289960	286148	288563	0.73	cps
Calcium	43-1	386691	388325	389449	388155	0.36	cps
Calcium	44-1	6270531	6205997	6319459	6265329	0.91	cps
Chromium	52-2	230007	228291	230418	229572	0.49	cps
Cobalt	59-2	451489	449230	449350	450023	0.28	cps
Copper	63-2	731641	723126	735717	730161	0.88	cps
Dysprosium	156-1	0	25	42	22	94.38	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	25	8	14	69.31	cps
Erbium	164-2	3	7	0	3	100.05	cps
Gadolinium	160-1	8	25	42	25	66.68	cps
Gadolinium	160-2	17	0	7	8	107.84	cps
Holmium	165-1	2945326	3025063	2962885	2977758	1.41	cps
Holmium	165-2	1172287	1151997	1156425	1160236	0.92	cps
Indium	115-1	2912413	2909079	2866624	2896039	0.88	cps
Indium	115-2	232189	237623	235702	235171	1.17	cps
Iron	56-2	7875885	7898175	7837401	7870487	0.39	cps
Iron	57-2	197648	197689	199292	198210	0.47	cps
Krypton	83-1	933	923	963	940	2.22	cps
Lead	207-1	491442	493267	497405	494038	0.62	cps
Lead	208-1	2208402	2214048	2208162	2210204	0.15	cps
Lead	206-1	549040	549973	547499	548837	0.23	cps
Lithium	6-1	618595	622153	617484	619411	0.39	cps
Magnesium	24-2	964663	954739	958422	959275	0.52	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:38:03	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	141599	142697	142270	142189	0.39	cps
Molybdenum	94-1	2384376	2444390	2347313	2392026	2.05	cps
Molybdenum	95-1	2994835	2957736	2937185	2963252	0.99	cps
Molybdenum	96-1	3312949	3263595	3252904	3276482	0.98	cps
Molybdenum	97-1	1816966	1802578	1797101	1805548	0.57	cps
Molybdenum	98-1	4682016	4630053	4591567	4634545	0.98	cps
Neodymium	150-1	67	67	53	62	12.37	cps
Neodymium	150-2	7	10	0	6	91.64	cps
Nickel	60-2	130767	129863	129344	129991	0.55	cps
Phosphorus	31-2	3959	3534	3767	3753	5.67	cps
Potassium	39-2	299984	299220	296793	298666	0.56	cps
Rhodium	103-1	2894637	2841044	2811540	2849074	1.48	cps
Rhodium	103-2	1148513	1150229	1151856	1150199	0.15	cps
Scandium	45-1	2477677	2447481	2442133	2455764	0.78	cps
Scandium	45-2	33183	32705	33203	33030	0.85	cps
Selenium	77-2	240	227	293	253	13.92	cps
Selenium	78-2	904	817	926	882	6.55	cps
Selenium	82-1	21704	21598	21901	21734	0.71	cps
Silicon	28-1	1271554	1310792	1296553	1292966	1.54	cps
Silver	109-1	1303402	1301146	1294101	1299550	0.37	cps
Silver	107-1	1384200	1371373	1356740	1370771	1.00	cps
Sodium	23-2	2291611	2318579	2279190	2296460	0.88	cps
Strontium	86-1	419175	423633	418701	420503	0.65	cps
Strontium	88-1	3611409	3646683	3626311	3628134	0.49	cps
Sulfur	34-1	732796	736319	734190	734435	0.24	cps
Terbium	159-1	3151300	3176240	3113158	3146899	1.01	cps
Terbium	159-2	1140646	1151257	1143673	1145192	0.48	cps
Thallium	203-1	697317	694713	692146	694725	0.37	cps
Thallium	205-1	1662039	1664783	1683562	1670128	0.70	cps
Tin	118-1	807041	803213	801040	803764	0.38	cps
Titanium	47-1	964947	957836	973334	965372	0.80	cps
Uranium	238-1	2038853	2046864	2043058	2042925	0.20	cps
Vanadium	51-2	173027	174073	173614	173572	0.30	cps
Yttrium	89-1	3508541	3483393	3476454	3489463	0.48	cps
Yttrium	89-2	190844	191353	192901	191700	0.56	cps
Zinc	66-2	82373	82648	83469	82830	0.69	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:38:03	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1952637	1977374	1937382	1955798	1.03	cps
Zirconium	91-1	421121	426795	413617	420511	1.57	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:41:49 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	89850	89501	89450	89600	0.24	cps
Antimony	121-1	2543266	2563427	2549159	2551951	0.41	cps
Arsenic	75-2	65394	65929	65848	65724	0.44	cps
Barium	135-1	2473607	2511969	2437297	2474291	1.51	cps
Barium	137-1	4275446	4317286	4242967	4278567	0.87	cps
Beryllium	9-1	599466	597625	604980	600690	0.64	cps
Bismuth	209-1	1684462	1693122	1707597	1695060	0.69	cps
Bismuth	209-2	868550	849867	864317	860911	1.14	cps
Boron	11-1	388227	394907	401151	394761	1.64	cps
Boron	10-1	77811	79529	81707	79683	2.45	cps
Cadmium	106-1	63894	66390	64188	64824	2.10	cps
Cadmium	108-1	42266	43687	43520	43158	1.80	cps
Cadmium	111-1	586852	589680	586430	587654	0.30	cps
Calcium	43-1	803562	802837	797182	801194	0.44	cps
Calcium	44-1	12917844	12944031	12784504	12882126	0.66	cps
Chromium	52-2	470890	468700	470920	470170	0.27	cps
Cobalt	59-2	919712	919316	918126	919052	0.09	cps
Copper	63-2	1516792	1515244	1489994	1507343	1.00	cps
Dysprosium	156-1	33	75	67	58	37.80	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	33	17	33	28	34.63	cps
Erbium	164-2	0	0	0	0	0.00	cps
Gadolinium	160-1	42	33	42	39	12.38	cps
Gadolinium	160-2	13	17	17	16	12.40	cps
Holmium	165-1	2980962	3003954	3003965	2996294	0.44	cps
Holmium	165-2	1168167	1157969	1160333	1162156	0.46	cps
Indium	115-1	2875486	2872943	2851503	2866644	0.46	cps
Indium	115-2	233750	231477	228894	231374	1.05	cps
Iron	56-2	16180949	16316053	15978632	16158545	1.05	cps
Iron	57-2	406529	407652	404340	406174	0.41	cps
Krypton	83-1	1027	947	927	967	5.47	cps
Lead	207-1	1012319	1012487	1007130	1010645	0.30	cps
Lead	208-1	4615813	4599145	4566223	4593727	0.55	cps
Lead	206-1	1115243	1119710	1116818	1117257	0.20	cps
Lithium	6-1	604897	608463	615219	609526	0.86	cps
Magnesium	24-2	2002884	2030988	1999994	2011289	0.85	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:41:49 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	296264	299679	295093	297012	0.80	cps
Molybdenum	94-1	4804057	4879490	4807853	4830467	0.88	cps
Molybdenum	95-1	6011562	5981611	6058158	6017110	0.64	cps
Molybdenum	96-1	6667045	6646126	6718785	6677318	0.56	cps
Molybdenum	97-1	3716736	3716600	3707215	3713517	0.15	cps
Molybdenum	98-1	9544672	9538420	9483375	9522156	0.35	cps
Neodymium	150-1	113	113	107	111	3.47	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	264005	265322	266368	265231	0.45	cps
Phosphorus	31-2	8311	7077	8178	7855	8.62	cps
Potassium	39-2	609181	616335	614345	613287	0.60	cps
Rhodium	103-1	2828810	2786031	2824619	2813153	0.84	cps
Rhodium	103-2	1143047	1130091	1122288	1131808	0.93	cps
Scandium	45-1	2448965	2463709	2432332	2448336	0.64	cps
Scandium	45-2	33600	32625	33373	33199	1.54	cps
Selenium	77-2	460	587	517	521	12.18	cps
Selenium	78-2	1626	1693	1843	1720	6.45	cps
Selenium	82-1	44410	44960	44745	44705	0.62	cps
Silicon	28-1	2067671	2112635	2134091	2104799	1.61	cps
Silver	109-1	2687057	2708605	2712865	2702842	0.51	cps
Silver	107-1	2829326	2844981	2842413	2838907	0.30	cps
Sodium	23-2	4646594	4652496	4601303	4633464	0.60	cps
Strontium	86-1	861191	863082	865191	863154	0.23	cps
Strontium	88-1	7453814	7466535	7297091	7405813	1.27	cps
Sulfur	34-1	867896	875344	874766	872669	0.47	cps
Terbium	159-1	3170787	3158002	3144523	3157771	0.42	cps
Terbium	159-2	1163851	1151490	1148080	1154474	0.72	cps
Thallium	203-1	1408304	1415049	1418046	1413800	0.35	cps
Thallium	205-1	3429083	3431555	3438109	3432916	0.14	cps
Tin	118-1	1643298	1658448	1680176	1660641	1.12	cps
Titanium	47-1	2044509	2042468	2012729	2033235	0.87	cps
Uranium	238-1	4117119	4136076	4130003	4127732	0.23	cps
Vanadium	51-2	357955	358935	355910	357600	0.43	cps
Yttrium	89-1	3462496	3432765	3426816	3440692	0.56	cps
Yttrium	89-2	192259	191598	190558	191471	0.45	cps
Zinc	66-2	173206	174316	173601	173708	0.32	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:41:49	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3922575	3924624	3842968	3896722	1.19	cps
Zirconium	91-1	852442	849654	851566	851221	0.17	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:45:31 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	181190	182905	181116	181737	0.56	cps
Antimony	121-1	5180333	5090018	5086068	5118806	1.04	cps
Arsenic	75-2	133903	133570	132464	133312	0.56	cps
Barium	135-1	4965279	4971269	5009294	4981947	0.48	cps
Barium	137-1	8616103	8536010	8730222	8627445	1.13	cps
Beryllium	9-1	1217817	1234367	1249125	1233769	1.27	cps
Bismuth	209-1	1683628	1636472	1689536	1669879	1.74	cps
Bismuth	209-2	849326	851841	851659	850942	0.16	cps
Boron	11-1	798327	811619	834066	814671	2.22	cps
Boron	10-1	160363	162192	166170	162908	1.82	cps
Cadmium	106-1	129230	130226	129988	129815	0.40	cps
Cadmium	108-1	86732	87033	89146	87637	1.50	cps
Cadmium	111-1	1197461	1201527	1201588	1200192	0.20	cps
Calcium	43-1	1632444	1663626	1656685	1650918	0.99	cps
Calcium	44-1	26224309	26449307	26270635	26314750	0.45	cps
Chromium	52-2	946147	943933	948513	946198	0.24	cps
Cobalt	59-2	1878810	1859557	1870591	1869652	0.52	cps
Copper	63-2	2994211	3029037	2996074	3006441	0.65	cps
Dysprosium	156-1	142	75	92	103	33.76	cps
Dysprosium	156-2	17	10	3	10	66.70	cps
Erbium	164-1	33	67	17	39	65.47	cps
Erbium	164-2	3	0	7	3	100.05	cps
Gadolinium	160-1	42	58	42	47	20.38	cps
Gadolinium	160-2	3	17	17	12	63.01	cps
Holmium	165-1	2943313	2943973	2994732	2960673	1.00	cps
Holmium	165-2	1171351	1169775	1167099	1169408	0.18	cps
Indium	115-1	2807768	2747874	2812549	2789397	1.29	cps
Indium	115-2	223978	226569	225036	225195	0.58	cps
Iron	56-2	32456175	32482744	32657655	32532191	0.34	cps
Iron	57-2	824038	818244	817662	819981	0.43	cps
Krypton	83-1	1003	853	927	928	8.08	cps
Lead	207-1	2123532	2138562	2122249	2128114	0.43	cps
Lead	208-1	9347558	9472928	9376006	9398830	0.70	cps
Lead	206-1	2336840	2327176	2321947	2328654	0.32	cps
Lithium	6-1	603773	606338	614150	608087	0.89	cps
Magnesium	24-2	3993204	3978778	3999016	3990333	0.26	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:45:31 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	598900	599853	602824	600526	0.34	cps
Molybdenum	94-1	9920256	9775071	9913913	9869747	0.83	cps
Molybdenum	95-1	12379432	12204025	12420330	12334596	0.93	cps
Molybdenum	96-1	13671062	13626206	13768763	13688677	0.53	cps
Molybdenum	97-1	7575539	7513502	7497854	7528965	0.55	cps
Molybdenum	98-1	19382545	19392479	19370534	19381853	0.06	cps
Neodymium	150-1	180	133	180	164	16.38	cps
Neodymium	150-2	20	10	10	13	43.30	cps
Nickel	60-2	527098	527530	530417	528348	0.34	cps
Phosphorus	31-2	15376	15392	15868	15545	1.80	cps
Potassium	39-2	1230426	1228036	1243380	1233947	0.67	cps
Rhodium	103-1	2766021	2778482	2789244	2777916	0.42	cps
Rhodium	103-2	1109691	1129255	1111023	1116656	0.98	cps
Scandium	45-1	2448856	2466796	2434255	2449969	0.67	cps
Scandium	45-2	32995	33353	33183	33177	0.54	cps
Selenium	77-2	1003	993	1037	1011	2.24	cps
Selenium	78-2	3376	3528	3617	3507	3.47	cps
Selenium	82-1	90952	90618	91411	90994	0.44	cps
Silicon	28-1	3707494	3672184	3691865	3690514	0.48	cps
Silver	109-1	5341425	5387368	5393235	5374009	0.53	cps
Silver	107-1	5684244	5641304	5743528	5689692	0.90	cps
Sodium	23-2	9321244	9298625	9237394	9285754	0.47	cps
Strontium	86-1	1793298	1772735	1767113	1777716	0.78	cps
Strontium	88-1	15054500	15022245	15137449	15071398	0.39	cps
Sulfur	34-1	1029901	1028378	1048940	1035739	1.11	cps
Terbium	159-1	3221692	3120148	3195834	3179225	1.66	cps
Terbium	159-2	1149216	1151529	1139796	1146847	0.54	cps
Thallium	203-1	2914931	2968788	2920413	2934711	1.01	cps
Thallium	205-1	6799328	6921529	6823219	6848025	0.95	cps
Tin	118-1	3387978	3382887	3389949	3386938	0.11	cps
Titanium	47-1	4054678	4077160	4089103	4073647	0.43	cps
Uranium	238-1	8214752	8212695	8240685	8222711	0.19	cps
Vanadium	51-2	723886	726336	728157	726126	0.30	cps
Yttrium	89-1	3465225	3439076	3461259	3455187	0.41	cps
Yttrium	89-2	193776	192382	192068	192742	0.47	cps
Zinc	66-2	349374	350906	347828	349369	0.44	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:45:31	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	7894348	7673354	7816042	7794581	1.44	cps
Zirconium	91-1	1758321	1729999	1767916	1752079	1.13	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:49:05 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	938921	945113	946489	943508	0.43	cps
Antimony	121-1	6218	6519	6527	6421	2.74	cps
Arsenic	75-2	202	191	187	193	3.99	cps
Barium	135-1	733	792	842	789	6.87	cps
Barium	137-1	1325	1308	1208	1281	4.93	cps
Beryllium	9-1	330	320	310	320	3.12	cps
Bismuth	209-1	1551594	1516664	1504620	1524292	1.60	cps
Bismuth	209-2	757608	748252	737762	747874	1.33	cps
Boron	11-1	18972	17737	17311	18006	4.79	cps
Boron	10-1	3667	3659	3159	3495	8.33	cps
Cadmium	106-1	892	983	867	914	6.72	cps
Cadmium	108-1	25	29	29	28	8.67	cps
Cadmium	111-1	703	760	657	706	7.27	cps
Calcium	43-1	8188133	8159442	8161537	8169704	0.20	cps
Calcium	44-1	133292691	131532881	131938065	132254546	0.70	cps
Chromium	52-2	9573	9453	9510	9512	0.63	cps
Cobalt	59-2	21150	21186	21240	21192	0.21	cps
Copper	63-2	9890	9527	9150	9522	3.89	cps
Dysprosium	156-1	83	50	83	72	26.65	cps
Dysprosium	156-2	20	27	3	17	72.13	cps
Erbium	164-1	42	25	33	33	25.00	cps
Erbium	164-2	10	0	3	4	114.60	cps
Gadolinium	160-1	42	75	50	56	31.23	cps
Gadolinium	160-2	10	27	13	17	52.93	cps
Holmium	165-1	2942501	2879316	2849850	2890556	1.64	cps
Holmium	165-2	1097625	1085941	1078636	1087401	0.88	cps
Indium	115-1	2779828	2804301	2704605	2762911	1.88	cps
Indium	115-2	226036	224113	222557	224235	0.78	cps
Iron	56-2	159564198	159465220	158816865	159282094	0.25	cps
Iron	57-2	3960641	3988291	3973363	3974098	0.35	cps
Krypton	83-1	883	953	810	882	8.12	cps
Lead	207-1	4034	4279	3917	4077	4.52	cps
Lead	208-1	18711	19056	18434	18734	1.66	cps
Lead	206-1	4962	4629	4673	4755	3.81	cps
Lithium	6-1	617153	620203	614961	617439	0.43	cps
Magnesium	24-2	19877144	19904086	19885408	19888880	0.07	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:49:05 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2340	2480	2437	2419	2.96	cps
Molybdenum	94-1	3709	4101	3859	3890	5.08	cps
Molybdenum	95-1	5760	5635	5476	5624	2.53	cps
Molybdenum	96-1	6794	7027	6552	6791	3.50	cps
Molybdenum	97-1	3501	3442	3442	3462	0.97	cps
Molybdenum	98-1	8653	8970	8220	8614	4.37	cps
Neodymium	150-1	47	47	53	49	7.88	cps
Neodymium	150-2	13	10	30	18	60.28	cps
Nickel	60-2	6982	6932	7059	6991	0.91	cps
Phosphorus	31-2	50	58	17	42	52.91	cps
Potassium	39-2	6190499	6253406	6206256	6216720	0.53	cps
Rhodium	103-1	2628426	2687723	2619950	2645366	1.40	cps
Rhodium	103-2	1053176	1051945	1055085	1053402	0.15	cps
Scandium	45-1	2412426	2439215	2430848	2427496	0.56	cps
Scandium	45-2	33139	33360	32789	33096	0.87	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	13	11	22	15	38.58	cps
Selenium	82-1	124	58	130	104	38.49	cps
Silicon	28-1	519627	521057	519895	520193	0.15	cps
Silver	109-1	983	975	1025	995	2.69	cps
Silver	107-1	1192	1233	817	1081	21.24	cps
Sodium	23-2	46635868	46905999	46904208	46815358	0.33	cps
Strontium	86-1	7844	8244	7953	8014	2.58	cps
Strontium	88-1	54359	54192	52954	53835	1.43	cps
Sulfur	34-1	590384	599333	591817	593845	0.81	cps
Terbium	159-1	3102518	3062092	3010749	3058453	1.50	cps
Terbium	159-2	1078796	1064820	1057327	1066981	1.02	cps
Thallium	203-1	417	442	492	450	8.49	cps
Thallium	205-1	1033	900	917	950	7.65	cps
Tin	118-1	2550	2350	2209	2370	7.25	cps
Titanium	47-1	1075	950	950	992	7.28	cps
Uranium	238-1	525	375	375	425	20.38	cps
Vanadium	51-2	177	180	157	171	7.37	cps
Yttrium	89-1	3461142	3418679	3407136	3428986	0.83	cps
Yttrium	89-2	190864	190557	189791	190404	0.29	cps
Zinc	66-2	3050	2790	2864	2901	4.62	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:49:05	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2150	2142	2375	2223	5.96	cps
Zirconium	91-1	558	483	408	483	15.52	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:56:23 DataFile Name : 012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4790	4587	4594	4657	2.47	cps
Antimony	121-1	907535	893070	905134	901913	0.86	cps
Arsenic	75-2	25301	25030	25392	25241	0.75	cps
Barium	135-1	90291	89771	90711	90258	0.52	cps
Barium	137-1	156922	155933	155177	156011	0.56	cps
Beryllium	9-1	111995	111407	112549	111984	0.51	cps
Bismuth	209-1	1603273	1623747	1624625	1617215	0.75	cps
Bismuth	209-2	836190	832388	831897	833492	0.28	cps
Boron	11-1	6268	6877	6143	6429	6.11	cps
Boron	10-1	1300	1450	1367	1372	5.48	cps
Cadmium	106-1	10580	10838	10213	10543	2.98	cps
Cadmium	108-1	7081	7227	7131	7146	1.04	cps
Cadmium	111-1	108757	110436	109170	109455	0.80	cps
Calcium	43-1	31201	31576	31041	31273	0.88	cps
Calcium	44-1	550960	551331	548744	550345	0.25	cps
Chromium	52-2	92520	93251	91383	92385	1.02	cps
Cobalt	59-2	180756	182511	180853	181373	0.54	cps
Copper	63-2	148251	148699	147820	148256	0.30	cps
Dysprosium	156-1	50	42	25	39	32.73	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	33	108	50	64	61.65	cps
Erbium	164-2	3	7	13	8	65.47	cps
Gadolinium	160-1	33	58	25	39	44.62	cps
Gadolinium	160-2	3	10	3	6	69.34	cps
Holmium	165-1	2871662	2865221	2861887	2866257	0.17	cps
Holmium	165-2	1133649	1123933	1114139	1123907	0.87	cps
Indium	115-1	2840811	2863234	2852699	2852248	0.39	cps
Indium	115-2	242587	237108	235970	238555	1.48	cps
Iron	56-2	634978	640472	639695	638382	0.47	cps
Iron	57-2	16238	15665	15815	15906	1.87	cps
Krypton	83-1	923	880	1063	956	10.03	cps
Lead	207-1	360274	363004	361480	361586	0.38	cps
Lead	208-1	1643968	1660011	1657402	1653794	0.52	cps
Lead	206-1	417514	419868	416280	417887	0.44	cps
Lithium	6-1	612899	609652	608135	610228	0.40	cps
Magnesium	24-2	47054	47062	48492	47536	1.74	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 16:56:23 DataFile Name : 012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	28459	28566	28563	28529	0.21	cps
Molybdenum	94-1	800	683	725	736	8.03	cps
Molybdenum	95-1	683	792	675	717	9.08	cps
Molybdenum	96-1	1142	958	1067	1056	8.73	cps
Molybdenum	97-1	658	667	667	664	0.72	cps
Molybdenum	98-1	1225	1483	1375	1361	9.53	cps
Neodymium	150-1	27	20	7	18	57.27	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	52422	53780	52302	52835	1.55	cps
Phosphorus	31-2	0	0	0	0	0.00	cps
Potassium	39-2	55477	54674	57067	55739	2.18	cps
Rhodium	103-1	2833146	2875472	2848408	2852342	0.75	cps
Rhodium	103-2	1168604	1159664	1162264	1163510	0.40	cps
Scandium	45-1	2509535	2515068	2453655	2492753	1.36	cps
Scandium	45-2	33995	33904	33714	33871	0.42	cps
Selenium	77-2	217	217	163	199	15.48	cps
Selenium	78-2	680	656	672	669	1.84	cps
Selenium	82-1	17289	17264	16683	17078	2.01	cps
Silicon	28-1	463014	471873	459330	464739	1.39	cps
Silver	109-1	494104	494145	495435	494561	0.15	cps
Silver	107-1	524369	522594	522416	523126	0.21	cps
Sodium	23-2	200846	202665	198745	200752	0.98	cps
Strontium	86-1	4993	4676	4326	4665	7.15	cps
Strontium	88-1	27905	28673	28330	28303	1.36	cps
Sulfur	34-1	601868	596797	600464	599709	0.44	cps
Terbium	159-1	3015050	3040236	2962095	3005794	1.33	cps
Terbium	159-2	1107104	1119222	1120318	1115548	0.66	cps
Thallium	203-1	519708	519284	522597	520530	0.35	cps
Thallium	205-1	1247279	1251797	1244209	1247762	0.31	cps
Tin	118-1	500	350	425	425	17.65	cps
Titanium	47-1	200	192	183	192	4.35	cps
Uranium	238-1	133	200	233	189	26.96	cps
Vanadium	51-2	69475	68681	69706	69287	0.78	cps
Yttrium	89-1	3447782	3437486	3414566	3433278	0.50	cps
Yttrium	89-2	194952	197035	192761	194916	1.10	cps
Zinc	66-2	34222	34025	33133	33794	1.72	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 16:56:23	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	617	458	392	489	23.64	cps
Zirconium	91-1	267	175	250	231	21.18	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:02:31	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	225	195	218	213	7.35	cps
Antimony	121-1	9237	9037	8403	8892	4.90	cps
Arsenic	75-2	148	111	148	136	15.75	cps
Barium	135-1	8403	8770	9095	8756	3.95	cps
Barium	137-1	15418	15535	15134	15362	1.34	cps
Beryllium	9-1	1183	1227	1143	1185	3.52	cps
Bismuth	209-1	1637055	1600570	1644236	1627287	1.44	cps
Bismuth	209-2	832318	840290	835034	835881	0.48	cps
Boron	11-1	20540	21408	21041	20997	2.08	cps
Boron	10-1	4051	3976	4151	4059	2.16	cps
Cadmium	106-1	1033	825	742	867	17.34	cps
Cadmium	108-1	88	71	100	86	16.99	cps
Cadmium	111-1	1762	1511	1549	1608	8.41	cps
Calcium	43-1	7512	7465	7789	7589	2.30	cps
Calcium	44-1	165147	166563	164998	165569	0.52	cps
Chromium	52-2	3567	3531	3400	3499	2.50	cps
Cobalt	59-2	2084	1787	1703	1858	10.75	cps
Copper	63-2	3304	3484	3347	3378	2.78	cps
Dysprosium	156-1	8	8	25	14	69.31	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	33	0	17	99.99	cps
Erbium	164-2	7	3	10	7	50.03	cps
Gadolinium	160-1	50	42	8	33	66.15	cps
Gadolinium	160-2	3	7	3	4	43.40	cps
Holmium	165-1	2786849	2804212	2809375	2800145	0.42	cps
Holmium	165-2	1118533	1121228	1109528	1116429	0.55	cps
Indium	115-1	2845092	2812004	2860371	2839156	0.87	cps
Indium	115-2	236124	237395	237062	236861	0.28	cps
Iron	56-2	35229	35267	35774	35423	0.86	cps
Iron	57-2	928	945	983	952	3.00	cps
Krypton	83-1	823	1030	947	933	11.14	cps
Lead	207-1	1967	2211	2039	2072	6.06	cps
Lead	208-1	9374	9691	9335	9466	2.06	cps
Lead	206-1	2500	2378	2434	2437	2.51	cps
Lithium	6-1	596321	598693	592901	595971	0.49	cps
Magnesium	24-2	19656	19697	20299	19884	1.81	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:02:31	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	337	370	407	371	9.43	cps
Molybdenum	94-1	8678	8645	8520	8614	0.97	cps
Molybdenum	95-1	10855	10696	10329	10627	2.54	cps
Molybdenum	96-1	11464	11656	11797	11639	1.44	cps
Molybdenum	97-1	6952	6519	6510	6660	3.80	cps
Molybdenum	98-1	16077	16361	16836	16425	2.34	cps
Neodymium	150-1	7	13	13	11	34.61	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	580	617	633	610	4.47	cps
Phosphorus	31-2	75	108	17	67	69.60	cps
Potassium	39-2	18446	18070	17670	18062	2.15	cps
Rhodium	103-1	2901619	2849613	2845020	2865417	1.10	cps
Rhodium	103-2	1160581	1151699	1163906	1158728	0.54	cps
Scandium	45-1	2482080	2466273	2474143	2474166	0.32	cps
Scandium	45-2	34018	34112	33637	33922	0.74	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	17	22	24	21	18.35	cps
Selenium	82-1	471	243	361	358	31.80	cps
Silicon	28-1	460109	462966	461018	461365	0.32	cps
Silver	109-1	4834	5210	4868	4971	4.18	cps
Silver	107-1	5443	5426	5768	5546	3.48	cps
Sodium	23-2	61408	60162	59517	60362	1.59	cps
Strontium	86-1	2850	2625	2667	2714	4.41	cps
Strontium	88-1	11439	11380	11655	11491	1.26	cps
Sulfur	34-1	595782	597481	595218	596160	0.20	cps
Terbium	159-1	2962768	2986225	3003738	2984243	0.69	cps
Terbium	159-2	1107151	1107193	1107457	1107267	0.01	cps
Thallium	203-1	2767	2275	2434	2492	10.07	cps
Thallium	205-1	5551	6310	5727	5863	6.78	cps
Tin	118-1	14984	15852	15167	15334	2.98	cps
Titanium	47-1	3809	3959	3767	3845	2.62	cps
Uranium	238-1	6435	6652	7019	6702	4.40	cps
Vanadium	51-2	3277	3571	3460	3436	4.31	cps
Yttrium	89-1	3416824	3427091	3421280	3421732	0.15	cps
Yttrium	89-2	193944	192456	193463	193287	0.39	cps
Zinc	66-2	417	417	413	416	0.46	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:02:31	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6885	6835	6902	6874	0.51	cps
Zirconium	91-1	1600	1600	1584	1595	0.60	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:07:53 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	55	40	40	45	19.24	cps
Antimony	121-1	258	392	225	292	30.24	cps
Arsenic	75-2	13	4	6	7	66.14	cps
Barium	135-1	8	8	8	8	0.00	cps
Barium	137-1	50	42	33	42	19.99	cps
Beryllium	9-1	117	133	113	121	8.85	cps
Bismuth	209-1	1574220	1635816	1653098	1621045	2.56	cps
Bismuth	209-2	813122	800254	814120	809165	0.96	cps
Boron	11-1	2917	2859	2325	2700	12.08	cps
Boron	10-1	475	567	500	514	9.22	cps
Cadmium	106-1	850	825	642	772	14.73	cps
Cadmium	108-1	13	17	4	11	57.27	cps
Cadmium	111-1	599	570	446	538	15.05	cps
Calcium	43-1	390	357	327	358	8.85	cps
Calcium	44-1	46604	46427	46661	46564	0.26	cps
Chromium	52-2	1703	1510	1780	1665	8.36	cps
Cobalt	59-2	83	140	120	114	25.11	cps
Copper	63-2	460	483	487	477	3.05	cps
Dysprosium	156-1	50	8	17	25	88.19	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	33	42	28	62.46	cps
Erbium	164-2	3	3	0	2	86.60	cps
Gadolinium	160-1	25	33	8	22	57.29	cps
Gadolinium	160-2	7	3	17	9	78.08	cps
Holmium	165-1	2771055	2855728	2834814	2820532	1.56	cps
Holmium	165-2	1089668	1074015	1099150	1087611	1.17	cps
Indium	115-1	2799165	2862119	2921779	2861021	2.14	cps
Indium	115-2	231124	229532	232495	231050	0.64	cps
Iron	56-2	3856	4306	3945	4036	5.91	cps
Iron	57-2	89	111	128	109	17.86	cps
Krypton	83-1	940	1010	913	954	5.23	cps
Lead	207-1	311	294	294	300	3.21	cps
Lead	208-1	1428	1339	1433	1400	3.79	cps
Lead	206-1	361	356	367	361	1.54	cps
Lithium	6-1	583376	600580	596278	593411	1.51	cps
Magnesium	24-2	567	500	475	514	9.22	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:07:53 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	107	97	113	106	7.95	cps
Molybdenum	94-1	125	150	125	133	10.82	cps
Molybdenum	95-1	42	33	75	50	44.10	cps
Molybdenum	96-1	58	67	92	72	24.02	cps
Molybdenum	97-1	158	67	208	144	49.74	cps
Molybdenum	98-1	50	92	150	97	51.67	cps
Neodymium	150-1	7	13	7	9	43.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	130	103	77	103	25.80	cps
Phosphorus	31-2	0	42	17	19	107.85	cps
Potassium	39-2	6660	6318	6827	6602	3.93	cps
Rhodium	103-1	2826215	2919157	2899570	2881647	1.70	cps
Rhodium	103-2	1129749	1123926	1131736	1128470	0.36	cps
Scandium	45-1	2430823	2488347	2487596	2468922	1.34	cps
Scandium	45-2	32574	32675	33547	32932	1.62	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	4	4	0	2	86.60	cps
Selenium	82-1	-21	-137	-48	-69	-88.04	cps
Silicon	28-1	423948	423016	426616	424527	0.44	cps
Silver	109-1	292	342	208	281	24.01	cps
Silver	107-1	417	425	325	389	14.27	cps
Sodium	23-2	15718	15351	15659	15576	1.27	cps
Strontium	86-1	1367	1684	1450	1500	10.94	cps
Strontium	88-1	108	58	42	69	49.96	cps
Sulfur	34-1	601634	596347	595610	597864	0.55	cps
Terbium	159-1	2959385	2998839	2980313	2979512	0.66	cps
Terbium	159-2	1072445	1065810	1086181	1074812	0.97	cps
Thallium	203-1	175	142	125	147	17.29	cps
Thallium	205-1	267	283	342	297	13.25	cps
Tin	118-1	408	342	333	361	11.38	cps
Titanium	47-1	133	158	150	147	8.65	cps
Uranium	238-1	8	17	17	14	34.67	cps
Vanadium	51-2	3	17	27	16	75.27	cps
Yttrium	89-1	3377306	3488596	3424618	3430173	1.63	cps
Yttrium	89-2	188655	188316	189119	188697	0.21	cps
Zinc	66-2	87	107	73	89	18.88	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:07:53	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	242	233	383	286	29.47	cps
Zirconium	91-1	67	42	108	72	46.63	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:11:28 DataFile Name : 015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	779685	779428	779110	779408	0.04	cps
Antimony	121-1	5601	5026	5426	5351	5.51	cps
Arsenic	75-2	50	35	43	43	17.39	cps
Barium	135-1	1083	1192	1467	1247	15.84	cps
Barium	137-1	2600	2725	2359	2561	7.28	cps
Beryllium	9-1	453	490	450	464	4.78	cps
Bismuth	209-1	1568085	1630291	1602906	1600428	1.95	cps
Bismuth	209-2	809353	815976	818912	814747	0.60	cps
Boron	11-1	3376	3476	3334	3395	2.14	cps
Boron	10-1	642	633	633	636	0.76	cps
Cadmium	106-1	758	1017	775	850	17.01	cps
Cadmium	108-1	833	746	833	804	6.28	cps
Cadmium	111-1	956	1102	922	993	9.65	cps
Calcium	43-1	1486761	1518822	1504510	1503364	1.07	cps
Calcium	44-1	24050885	24321400	24288178	24220154	0.61	cps
Chromium	52-2	19894	20105	19360	19786	1.94	cps
Cobalt	59-2	2014	2057	2047	2039	1.11	cps
Copper	63-2	12092	11825	12055	11991	1.21	cps
Dysprosium	156-1	0	33	33	22	86.60	cps
Dysprosium	156-2	10	0	0	3	173.21	cps
Erbium	164-1	33	42	33	36	13.33	cps
Erbium	164-2	10	7	20	12	56.76	cps
Gadolinium	160-1	67	58	50	58	14.29	cps
Gadolinium	160-2	17	20	13	17	20.01	cps
Holmium	165-1	2853888	2938279	2902070	2898079	1.46	cps
Holmium	165-2	1126299	1137373	1144569	1136080	0.81	cps
Indium	115-1	2797736	2878825	2829164	2835242	1.44	cps
Indium	115-2	234779	232745	231065	232863	0.80	cps
Iron	56-2	60039681	60340475	59862524	60080893	0.40	cps
Iron	57-2	1520873	1531993	1521884	1524917	0.40	cps
Krypton	83-1	953	890	920	921	3.44	cps
Lead	207-1	7803	7753	7458	7671	2.43	cps
Lead	208-1	36744	37350	36444	36846	1.25	cps
Lead	206-1	9698	9876	9837	9804	0.95	cps
Lithium	6-1	575598	591386	594477	587154	1.72	cps
Magnesium	24-2	3721736	3719244	3721028	3720669	0.03	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:11:28 DataFile Name : 015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2237	2210	2240	2229	0.74	cps
Molybdenum	94-1	2359014	2396691	2409308	2388338	1.10	cps
Molybdenum	95-1	4103099	4168377	4156236	4142571	0.84	cps
Molybdenum	96-1	4383054	4491801	4494158	4456338	1.42	cps
Molybdenum	97-1	2508942	2591781	2571971	2557565	1.69	cps
Molybdenum	98-1	6448716	6600362	6471527	6506868	1.26	cps
Neodymium	150-1	7	27	27	20	57.73	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	2827	2790	2604	2740	4.37	cps
Phosphorus	31-2	71866	70618	72026	71504	1.08	cps
Potassium	39-2	2300872	2317057	2301719	2306549	0.39	cps
Rhodium	103-1	2715446	2788956	2720359	2741587	1.50	cps
Rhodium	103-2	1118418	1115879	1122994	1119097	0.32	cps
Scandium	45-1	2473038	2481684	2451656	2468793	0.63	cps
Scandium	45-2	33410	33009	32478	32965	1.42	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	2	7	7	6	57.77	cps
Selenium	82-1	-5	-7	-31	-15	-99.12	cps
Silicon	28-1	560930	558176	552389	557165	0.78	cps
Silver	109-1	1809	1717	1767	1764	2.60	cps
Silver	107-1	1884	1767	2017	1889	6.62	cps
Sodium	23-2	8705279	8656188	8721341	8694269	0.39	cps
Strontium	86-1	48797	48454	48763	48671	0.39	cps
Strontium	88-1	405052	406481	407556	406363	0.31	cps
Sulfur	34-1	2592573	2563699	2595022	2583765	0.67	cps
Terbium	159-1	3052701	3049606	3117363	3073223	1.24	cps
Terbium	159-2	1116950	1120599	1115058	1117535	0.25	cps
Thallium	203-1	358	275	142	258	42.31	cps
Thallium	205-1	625	592	367	528	26.62	cps
Tin	118-1	792	808	775	792	2.10	cps
Titanium	47-1	1542149	1517146	1521115	1526803	0.88	cps
Uranium	238-1	175	142	208	175	19.05	cps
Vanadium	51-2	157	93	80	110	37.24	cps
Yttrium	89-1	3461495	3412211	3430203	3434636	0.73	cps
Yttrium	89-2	192292	193420	192578	192763	0.30	cps
Zinc	66-2	2087	2067	2074	2076	0.49	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:11:28	DataFile Name :	015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	550	508	658	572	13.53	cps
Zirconium	91-1	142	158	58	119	44.85	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:14:55 DataFile Name : 016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	771161	777627	765719	771502	0.77	cps
Antimony	121-1	95870	96203	95659	95911	0.29	cps
Arsenic	75-2	2547	2409	2300	2419	5.10	cps
Barium	135-1	19140	19415	19215	19256	0.74	cps
Barium	137-1	32833	33936	34020	33596	1.97	cps
Beryllium	9-1	22731	22421	22461	22538	0.75	cps
Bismuth	209-1	1589045	1558571	1604175	1583930	1.47	cps
Bismuth	209-2	813967	817788	811746	814500	0.38	cps
Boron	11-1	48115	49444	50356	49305	2.29	cps
Boron	10-1	9645	10563	9470	9893	5.93	cps
Cadmium	106-1	3976	3942	4068	3995	1.62	cps
Cadmium	108-1	2475	2413	2617	2502	4.18	cps
Cadmium	111-1	23086	22592	22875	22851	1.08	cps
Calcium	43-1	1531061	1513187	1484848	1509699	1.54	cps
Calcium	44-1	24326035	24157726	24171482	24218415	0.39	cps
Chromium	52-2	36251	36732	36895	36626	0.92	cps
Cobalt	59-2	37581	37337	36575	37164	1.41	cps
Copper	63-2	40265	39566	40268	40033	1.01	cps
Dysprosium	156-1	33	42	50	42	20.00	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	17	33	25	25	33.32	cps
Erbium	164-2	13	7	13	11	34.61	cps
Gadolinium	160-1	25	25	8	19	49.50	cps
Gadolinium	160-2	10	7	10	9	21.63	cps
Holmium	165-1	2933029	2898898	2938615	2923514	0.74	cps
Holmium	165-2	1135439	1146753	1134851	1139014	0.59	cps
Indium	115-1	2806057	2731209	2812648	2783305	1.63	cps
Indium	115-2	231185	233713	231840	232246	0.56	cps
Iron	56-2	60059393	59750118	59822631	59877381	0.27	cps
Iron	57-2	1511410	1525627	1514952	1517330	0.49	cps
Krypton	83-1	867	950	997	938	7.02	cps
Lead	207-1	43319	43051	42511	42960	0.96	cps
Lead	208-1	198282	199872	198989	199048	0.40	cps
Lead	206-1	51678	52035	52096	51936	0.43	cps
Lithium	6-1	592335	574085	592415	586278	1.80	cps
Magnesium	24-2	3697461	3698918	3692636	3696339	0.09	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:14:55	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	7746	7782	7736	7754	0.32	cps
Molybdenum	94-1	2634269	2622363	2655327	2637320	0.63	cps
Molybdenum	95-1	4347290	4242339	4319052	4302894	1.26	cps
Molybdenum	96-1	4626143	4568751	4628490	4607794	0.73	cps
Molybdenum	97-1	2665566	2657387	2640845	2654600	0.47	cps
Molybdenum	98-1	6727110	6769651	6777301	6758021	0.40	cps
Neodymium	150-1	20	0	27	16	89.22	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	12943	12769	12776	12829	0.77	cps
Phosphorus	31-2	69069	71732	72000	70934	2.28	cps
Potassium	39-2	2282741	2312073	2277861	2290891	0.81	cps
Rhodium	103-1	2725323	2675448	2776021	2725597	1.84	cps
Rhodium	103-2	1112148	1121372	1112757	1115426	0.46	cps
Scandium	45-1	2456506	2413025	2444740	2438090	0.92	cps
Scandium	45-2	32952	33102	32792	32949	0.47	cps
Selenium	77-2	27	23	20	23	14.29	cps
Selenium	78-2	98	61	59	73	30.12	cps
Selenium	82-1	1605	1649	1539	1598	3.45	cps
Silicon	28-1	791825	798690	793998	794838	0.44	cps
Silver	109-1	91914	94650	92695	93086	1.51	cps
Silver	107-1	100465	100801	99349	100205	0.76	cps
Sodium	23-2	8616815	8626014	8621072	8621300	0.05	cps
Strontium	86-1	136939	138488	136907	137444	0.66	cps
Strontium	88-1	1156780	1164108	1158661	1159850	0.33	cps
Sulfur	34-1	2582662	2556139	2550321	2563041	0.67	cps
Terbium	159-1	3092732	2982308	3079936	3051659	1.98	cps
Terbium	159-2	1116406	1106548	1113038	1111997	0.45	cps
Thallium	203-1	51363	50878	51673	51305	0.78	cps
Thallium	205-1	124649	121882	122353	122961	1.20	cps
Tin	118-1	184160	189199	189034	187464	1.53	cps
Titanium	47-1	1552329	1554637	1546338	1551101	0.28	cps
Uranium	238-1	467665	474019	473007	471563	0.72	cps
Vanadium	51-2	13473	13106	13287	13289	1.38	cps
Yttrium	89-1	3443022	3374833	3463595	3427150	1.36	cps
Yttrium	89-2	190804	193136	191784	191908	0.61	cps
Zinc	66-2	5188	5201	5404	5264	2.31	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:14:55	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	470736	471879	472661	471758	0.21	cps
Zirconium	91-1	105692	103283	104576	104517	1.15	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : CCV21 Instrumnet Name : P8
 Client Sample ID : CCV21 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:18:23 DataFile Name : 017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	476198	477421	474238	475952	0.34	cps
Antimony	121-1	2435759	2417594	2388267	2413873	0.99	cps
Arsenic	75-2	64929	64336	64105	64457	0.66	cps
Barium	135-1	2366078	2326020	2334569	2342222	0.90	cps
Barium	137-1	4098062	4025037	4065647	4062915	0.90	cps
Beryllium	9-1	582215	579723	571551	577830	0.97	cps
Bismuth	209-1	1517053	1499162	1516556	1510923	0.67	cps
Bismuth	209-2	792890	791033	787719	790547	0.33	cps
Boron	11-1	372400	380358	387762	380173	2.02	cps
Boron	10-1	74418	77694	78381	76831	2.76	cps
Cadmium	106-1	61173	60578	60009	60587	0.96	cps
Cadmium	108-1	41439	39889	40423	40584	1.94	cps
Cadmium	111-1	552666	546864	543948	547826	0.81	cps
Calcium	43-1	3818515	3880998	3851574	3850362	0.81	cps
Calcium	44-1	62086657	61687522	62410601	62061594	0.58	cps
Chromium	52-2	467626	466074	464946	466215	0.29	cps
Cobalt	59-2	894555	899659	898578	897597	0.30	cps
Copper	63-2	1404644	1401541	1409701	1405295	0.29	cps
Dysprosium	156-1	92	92	33	72	46.64	cps
Dysprosium	156-2	7	13	7	9	43.25	cps
Erbium	164-1	33	33	33	33	0.02	cps
Erbium	164-2	7	0	13	7	99.98	cps
Gadolinium	160-1	92	50	42	61	43.83	cps
Gadolinium	160-2	7	7	27	13	86.58	cps
Holmium	165-1	2824574	2833623	2834847	2831015	0.20	cps
Holmium	165-2	1123262	1118457	1109766	1117162	0.61	cps
Indium	115-1	2718272	2704262	2752905	2725146	0.92	cps
Indium	115-2	230206	227568	224630	227468	1.23	cps
Iron	56-2	78492818	79496182	79284032	79091011	0.67	cps
Iron	57-2	2007531	2009598	1988604	2001911	0.58	cps
Krypton	83-1	997	1013	863	958	8.58	cps
Lead	207-1	927240	911349	910591	916393	1.03	cps
Lead	208-1	4234784	4152650	4147208	4178214	1.17	cps
Lead	206-1	1036064	1015430	1013941	1021812	1.21	cps
Lithium	6-1	580469	580207	578720	579799	0.16	cps
Magnesium	24-2	9532859	9505224	9592516	9543533	0.47	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV21	Instrumnet Name :	P8
Client Sample ID :	CCV21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:18:23	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	288805	291813	288106	289574	0.68	cps
Molybdenum	94-1	4752113	4681258	4679413	4704261	0.88	cps
Molybdenum	95-1	5868671	5765081	5799340	5811031	0.91	cps
Molybdenum	96-1	6551748	6552863	6451858	6518823	0.89	cps
Molybdenum	97-1	3639236	3601347	3516056	3585546	1.76	cps
Molybdenum	98-1	9155765	9259160	9076206	9163710	1.00	cps
Neodymium	150-1	147	127	127	133	8.66	cps
Neodymium	150-2	17	3	17	12	63.01	cps
Nickel	60-2	254597	256044	255684	255442	0.30	cps
Phosphorus	31-2	7611	7944	8286	7947	4.25	cps
Potassium	39-2	3046643	3052963	3049716	3049774	0.10	cps
Rhodium	103-1	2656108	2661617	2633431	2650385	0.56	cps
Rhodium	103-2	1098557	1097815	1090015	1095463	0.43	cps
Scandium	45-1	2400162	2463338	2470331	2444610	1.58	cps
Scandium	45-2	33878	33427	34112	33805	1.03	cps
Selenium	77-2	487	573	477	512	10.38	cps
Selenium	78-2	1746	1661	1678	1695	2.66	cps
Selenium	82-1	42972	42814	43098	42961	0.33	cps
Silicon	28-1	2209912	2209776	2288623	2236104	2.03	cps
Silver	109-1	2511156	2497696	2456035	2488296	1.15	cps
Silver	107-1	2685890	2611350	2641904	2646381	1.42	cps
Sodium	23-2	22226726	22361685	22417204	22335205	0.44	cps
Strontium	86-1	835501	837532	830250	834428	0.45	cps
Strontium	88-1	7136851	7116560	7151953	7135121	0.25	cps
Sulfur	34-1	855197	853396	854193	854262	0.11	cps
Terbium	159-1	2980654	2956930	3031848	2989811	1.28	cps
Terbium	159-2	1101951	1108481	1100140	1103524	0.40	cps
Thallium	203-1	1307129	1282563	1280342	1290012	1.15	cps
Thallium	205-1	3165166	3143486	3126511	3145054	0.62	cps
Tin	118-1	1581454	1570759	1561935	1571382	0.62	cps
Titanium	47-1	2027854	2004972	1989754	2007526	0.96	cps
Uranium	238-1	3899161	3856262	3823365	3859596	0.98	cps
Vanadium	51-2	355842	357640	358512	357331	0.38	cps
Yttrium	89-1	3371417	3385640	3421437	3392831	0.76	cps
Yttrium	89-2	195489	192960	193079	193843	0.74	cps
Zinc	66-2	162860	161526	162556	162314	0.43	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV21	Instrumnet Name :	P8
Client Sample ID :	CCV21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:18:23	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3906269	3896579	3930216	3911021	0.44	cps
Zirconium	91-1	859348	843369	846577	849764	0.99	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:25:25	DataFile Name :	018LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	225	215	218	3.04	cps
Antimony	121-1	8612	9262	9146	9006	3.85	cps
Arsenic	75-2	122	135	148	135	9.59	cps
Barium	135-1	8553	8536	8879	8656	2.23	cps
Barium	137-1	15351	14834	15362	15182	1.99	cps
Beryllium	9-1	1120	1160	1087	1122	3.27	cps
Bismuth	209-1	1581098	1596206	1586298	1587867	0.48	cps
Bismuth	209-2	794928	803771	800531	799743	0.56	cps
Boron	11-1	20065	20599	19781	20148	2.06	cps
Boron	10-1	4201	4101	4368	4223	3.19	cps
Cadmium	106-1	908	958	850	906	5.99	cps
Cadmium	108-1	63	133	108	101	35.43	cps
Cadmium	111-1	1626	1573	1711	1637	4.24	cps
Calcium	43-1	7616	7439	6989	7348	4.40	cps
Calcium	44-1	167318	166994	158965	164425	2.88	cps
Chromium	52-2	3347	3444	3287	3359	2.35	cps
Cobalt	59-2	2054	2014	2014	2027	1.14	cps
Copper	63-2	3297	3297	3184	3259	2.01	cps
Dysprosium	156-1	17	17	183	72	133.23	cps
Dysprosium	156-2	3	3	7	4	43.40	cps
Erbium	164-1	33	42	17	31	41.65	cps
Erbium	164-2	0	3	0	1	173.21	cps
Gadolinium	160-1	17	50	75	47	61.97	cps
Gadolinium	160-2	7	3	0	3	100.05	cps
Holmium	165-1	2787336	2823718	2821564	2810873	0.73	cps
Holmium	165-2	1073439	1078816	1076753	1076336	0.25	cps
Indium	115-1	2815827	2830548	2895782	2847386	1.49	cps
Indium	115-2	229347	229709	230080	229712	0.16	cps
Iron	56-2	37011	35251	35813	36025	2.50	cps
Iron	57-2	867	978	889	911	6.45	cps
Krypton	83-1	927	973	897	932	4.14	cps
Lead	207-1	2306	2084	1967	2119	8.13	cps
Lead	208-1	10157	9585	9535	9759	3.54	cps
Lead	206-1	2495	2528	2600	2541	2.12	cps
Lithium	6-1	581908	587423	544866	571399	4.05	cps
Magnesium	24-2	18763	19130	18772	18888	1.11	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:25:25	DataFile Name :	018LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	363	340	343	349	3.62	cps
Molybdenum	94-1	8528	8945	8353	8609	3.53	cps
Molybdenum	95-1	10713	10480	10638	10610	1.12	cps
Molybdenum	96-1	12073	12198	11856	12042	1.44	cps
Molybdenum	97-1	6527	6635	6519	6560	0.99	cps
Molybdenum	98-1	17562	16311	15935	16603	5.13	cps
Neodymium	150-1	7	0	33	13	132.27	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	647	600	577	608	5.86	cps
Phosphorus	31-2	17	33	67	39	65.47	cps
Potassium	39-2	18980	18671	18288	18646	1.86	cps
Rhodium	103-1	2850529	2827791	2766361	2814894	1.55	cps
Rhodium	103-2	1121562	1127785	1127910	1125752	0.32	cps
Scandium	45-1	2386785	2432113	2303349	2374082	2.75	cps
Scandium	45-2	32317	32271	32411	32333	0.22	cps
Selenium	77-2	7	10	10	9	21.63	cps
Selenium	78-2	20	26	19	22	17.85	cps
Selenium	82-1	398	313	379	363	12.25	cps
Silicon	28-1	452944	453224	444204	450124	1.14	cps
Silver	109-1	5185	5451	4985	5207	4.50	cps
Silver	107-1	4659	5893	5201	5251	11.78	cps
Sodium	23-2	61400	61567	60588	61185	0.86	cps
Strontium	86-1	2517	2734	2925	2725	7.50	cps
Strontium	88-1	11605	10705	11448	11253	4.27	cps
Sulfur	34-1	575949	580153	587755	581286	1.03	cps
Terbium	159-1	2919962	3005594	3132965	3019507	3.55	cps
Terbium	159-2	1066812	1070867	1063178	1066952	0.36	cps
Thallium	203-1	2500	2617	2667	2595	3.30	cps
Thallium	205-1	5935	5985	5960	5960	0.42	cps
Tin	118-1	15743	15585	15679	15669	0.51	cps
Titanium	47-1	4092	3692	3309	3698	10.60	cps
Uranium	238-1	6377	6485	6510	6458	1.10	cps
Vanadium	51-2	3354	3434	3380	3389	1.20	cps
Yttrium	89-1	3406282	3387848	3335757	3376629	1.08	cps
Yttrium	89-2	187013	184963	187177	186384	0.66	cps
Zinc	66-2	367	390	457	404	11.55	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:25:25	DataFile Name :	018LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6844	7369	7019	7077	3.78	cps
Zirconium	91-1	1667	1492	1508	1556	6.21	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : CCB21 Instrumnet Name : P8
 Client Sample ID : CCB21 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:29:00 DataFile Name : 019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	93	40	61	45.82	cps
Antimony	121-1	275	225	325	275	18.18	cps
Arsenic	75-2	19	11	9	13	37.80	cps
Barium	135-1	58	50	8	39	68.89	cps
Barium	137-1	58	83	58	67	21.65	cps
Beryllium	9-1	113	143	117	124	13.21	cps
Bismuth	209-1	1581123	1564566	1579769	1575153	0.58	cps
Bismuth	209-2	808569	823264	811408	814414	0.96	cps
Boron	11-1	2959	3317	3125	3134	5.72	cps
Boron	10-1	683	675	758	706	6.50	cps
Cadmium	106-1	817	750	758	775	4.69	cps
Cadmium	108-1	8	21	13	14	45.83	cps
Cadmium	111-1	583	531	526	547	5.70	cps
Calcium	43-1	407	407	307	373	15.46	cps
Calcium	44-1	50196	49434	49631	49754	0.80	cps
Chromium	52-2	1760	1723	1613	1699	4.49	cps
Cobalt	59-2	120	113	97	110	10.92	cps
Copper	63-2	523	573	513	537	5.99	cps
Dysprosium	156-1	17	25	42	28	45.82	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	8	0	8	6	86.60	cps
Erbium	164-2	3	0	0	1	173.21	cps
Gadolinium	160-1	25	8	58	31	83.33	cps
Gadolinium	160-2	0	10	10	7	86.60	cps
Holmium	165-1	2795411	2746645	2757437	2766498	0.93	cps
Holmium	165-2	1089896	1106463	1084758	1093706	1.04	cps
Indium	115-1	2807788	2775828	2785074	2789563	0.59	cps
Indium	115-2	230214	232560	233846	232207	0.79	cps
Iron	56-2	4028	4084	4167	4093	1.71	cps
Iron	57-2	106	167	106	126	28.02	cps
Krypton	83-1	927	873	970	923	5.24	cps
Lead	207-1	372	306	433	370	17.25	cps
Lead	208-1	1561	1661	1550	1591	3.85	cps
Lead	206-1	378	389	361	376	3.72	cps
Lithium	6-1	573279	566824	572214	570773	0.61	cps
Magnesium	24-2	483	467	508	486	4.32	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB21	Instrumnet Name :	P8
Client Sample ID :	CCB21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:29:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	77	77	90	81	9.49	cps
Molybdenum	94-1	292	225	208	242	18.25	cps
Molybdenum	95-1	100	58	67	75	29.40	cps
Molybdenum	96-1	92	108	150	117	25.76	cps
Molybdenum	97-1	208	158	192	186	13.68	cps
Molybdenum	98-1	50	142	167	119	51.43	cps
Neodymium	150-1	7	7	20	11	69.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	173	133	150	152	13.20	cps
Phosphorus	31-2	42	17	8	22	78.07	cps
Potassium	39-2	7194	7269	6860	7108	3.06	cps
Rhodium	103-1	2820582	2800758	2825350	2815563	0.46	cps
Rhodium	103-2	1128459	1147548	1136730	1137579	0.84	cps
Scandium	45-1	2427710	2420802	2416256	2421589	0.24	cps
Scandium	45-2	33333	33193	32327	32951	1.65	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	0	6	3	91.69	cps
Selenium	82-1	-80	37	-110	-51	-151.57	cps
Silicon	28-1	420612	419876	420260	420249	0.09	cps
Silver	109-1	258	292	283	278	6.24	cps
Silver	107-1	325	308	350	328	6.40	cps
Sodium	23-2	18263	18271	18513	18349	0.77	cps
Strontium	86-1	1458	1492	1433	1461	2.00	cps
Strontium	88-1	150	100	67	106	39.74	cps
Sulfur	34-1	578005	574617	576494	576372	0.29	cps
Terbium	159-1	2980718	2956727	2931061	2956169	0.84	cps
Terbium	159-2	1066309	1073354	1083066	1074243	0.78	cps
Thallium	203-1	233	183	217	211	12.06	cps
Thallium	205-1	400	417	333	383	11.50	cps
Tin	118-1	425	617	292	445	36.80	cps
Titanium	47-1	643	158	108	303	97.40	cps
Uranium	238-1	33	33	25	31	15.74	cps
Vanadium	51-2	33	13	7	18	78.05	cps
Yttrium	89-1	3387240	3308165	3377012	3357472	1.28	cps
Yttrium	89-2	188533	192584	190449	190522	1.06	cps
Zinc	66-2	103	87	80	90	13.36	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB21	Instrumnet Name :	P8
Client Sample ID :	CCB21	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:29:00	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	292	317	392	333	15.61	cps
Zirconium	91-1	92	67	100	86	20.15	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:32:35 DataFile Name : 020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	238	183	208	209	13.16	cps
Antimony	121-1	8328	8461	8245	8345	1.31	cps
Arsenic	75-2	122	131	109	121	9.23	cps
Barium	135-1	8361	8803	8370	8511	2.97	cps
Barium	137-1	14959	14842	15101	14967	0.87	cps
Beryllium	9-1	1210	1100	1113	1141	5.26	cps
Bismuth	209-1	1645341	1596582	1601709	1614544	1.66	cps
Bismuth	209-2	828146	811522	819513	819727	1.01	cps
Boron	11-1	19372	18788	19406	19189	1.81	cps
Boron	10-1	4092	3917	3984	3998	2.21	cps
Cadmium	106-1	817	925	875	872	6.22	cps
Cadmium	108-1	54	50	58	54	7.70	cps
Cadmium	111-1	1530	1542	1543	1538	0.47	cps
Calcium	43-1	7859	7682	7442	7661	2.73	cps
Calcium	44-1	164529	162988	164756	164091	0.59	cps
Chromium	52-2	3350	3534	3414	3433	2.71	cps
Cobalt	59-2	2440	2377	2490	2436	2.33	cps
Copper	63-2	3170	3284	3264	3239	1.87	cps
Dysprosium	156-1	42	0	33	25	88.19	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	17	33	19	65.47	cps
Erbium	164-2	10	0	3	4	114.60	cps
Gadolinium	160-1	17	25	8	17	50.01	cps
Gadolinium	160-2	0	7	13	7	99.98	cps
Holmium	165-1	2841158	2814073	2823199	2826143	0.49	cps
Holmium	165-2	1108347	1091808	1092216	1097457	0.86	cps
Indium	115-1	2886629	2783032	2829780	2833147	1.83	cps
Indium	115-2	233528	234751	233218	233832	0.35	cps
Iron	56-2	36744	36632	37094	36823	0.66	cps
Iron	57-2	945	850	950	915	6.14	cps
Krypton	83-1	890	1027	920	946	7.60	cps
Lead	207-1	1856	1895	1967	1906	2.96	cps
Lead	208-1	8768	8818	8924	8837	0.90	cps
Lead	206-1	2156	2328	2206	2230	3.97	cps
Lithium	6-1	576826	574296	575248	575457	0.22	cps
Magnesium	24-2	18471	18429	18287	18396	0.52	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:32:35	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	337	367	360	354	4.44	cps
Molybdenum	94-1	8787	8920	8536	8748	2.23	cps
Molybdenum	95-1	10671	10888	10421	10660	2.19	cps
Molybdenum	96-1	11906	11889	12022	11939	0.61	cps
Molybdenum	97-1	6343	6869	6985	6733	5.08	cps
Molybdenum	98-1	16527	16778	16870	16725	1.06	cps
Neodymium	150-1	20	27	7	18	57.27	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	597	630	583	603	3.98	cps
Phosphorus	31-2	92	42	58	64	39.85	cps
Potassium	39-2	18079	18154	17420	17884	2.26	cps
Rhodium	103-1	2845298	2868222	2855071	2856197	0.40	cps
Rhodium	103-2	1150224	1146987	1157528	1151580	0.47	cps
Scandium	45-1	2495407	2458008	2464199	2472538	0.81	cps
Scandium	45-2	32658	33443	32872	32991	1.23	cps
Selenium	77-2	17	0	10	9	94.38	cps
Selenium	78-2	17	15	9	14	28.39	cps
Selenium	82-1	448	176	316	313	43.49	cps
Silicon	28-1	456883	451220	448852	452318	0.91	cps
Silver	109-1	5318	4943	4909	5057	4.49	cps
Silver	107-1	4784	5451	5410	5215	7.16	cps
Sodium	23-2	58295	59257	59333	58961	0.98	cps
Strontium	86-1	2617	2767	2809	2731	3.69	cps
Strontium	88-1	11080	10955	11347	11127	1.80	cps
Sulfur	34-1	571854	575735	582046	576545	0.89	cps
Terbium	159-1	2992799	2950932	3014271	2986001	1.08	cps
Terbium	159-2	1083710	1092382	1086418	1087503	0.41	cps
Thallium	203-1	2550	2775	2534	2620	5.15	cps
Thallium	205-1	6110	5743	5693	5849	3.89	cps
Tin	118-1	15777	14942	14517	15079	4.25	cps
Titanium	47-1	3384	3976	4067	3809	9.74	cps
Uranium	238-1	6093	6635	6102	6277	4.95	cps
Vanadium	51-2	3210	3244	3424	3293	3.49	cps
Yttrium	89-1	3408922	3409246	3427602	3415257	0.31	cps
Yttrium	89-2	190557	190566	193826	191650	0.98	cps
Zinc	66-2	337	420	373	377	11.09	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:32:35	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6869	7077	6944	6963	1.52	cps
Zirconium	91-1	1525	1609	1375	1503	7.87	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BLRE	Instrumnet Name :	P8
Client Sample ID :	PB117527BLRE	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:36:09	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53	55	50	53	4.76	cps
Antimony	121-1	192	125	158	158	21.05	cps
Arsenic	75-2	17	7	7	10	50.93	cps
Barium	135-1	0	0	8	3	173.21	cps
Barium	137-1	42	58	50	50	16.67	cps
Beryllium	9-1	73	120	117	103	25.20	cps
Bismuth	209-1	22916	1299730	1579994	967547	85.78	cps
Bismuth	209-2	821247	824317	837742	827769	1.06	cps
Boron	11-1	2192	2392	2384	2323	4.87	cps
Boron	10-1	550	450	400	467	16.37	cps
Cadmium	106-1	8	650	833	497	87.12	cps
Cadmium	108-1	8	29	4	14	96.44	cps
Cadmium	111-1	13	447	597	352	86.20	cps
Calcium	43-1	320	353	377	350	8.14	cps
Calcium	44-1	47688	47925	48256	47956	0.60	cps
Chromium	52-2	1800	1710	1620	1710	5.26	cps
Cobalt	59-2	127	110	107	114	9.36	cps
Copper	63-2	520	517	487	508	3.62	cps
Dysprosium	156-1	33	25	0	19	89.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	0	8	25	11	114.58	cps
Erbium	164-2	7	3	0	3	100.05	cps
Gadolinium	160-1	0	42	50	31	87.67	cps
Gadolinium	160-2	0	0	3	1	173.21	cps
Holmium	165-1	36746	2204619	2842857	1694741	86.79	cps
Holmium	165-2	1094260	1097863	1128680	1106934	1.71	cps
Indium	115-1	36601	2241319	2856920	1711614	86.64	cps
Indium	115-2	231261	236707	238896	235621	1.67	cps
Iron	56-2	3912	3984	3906	3934	1.10	cps
Iron	57-2	106	122	67	98	29.05	cps
Krypton	83-1	1107	937	913	986	10.71	cps
Lead	207-1	217	172	239	209	16.22	cps
Lead	208-1	1178	1139	1189	1169	2.25	cps
Lead	206-1	406	339	322	356	12.40	cps
Lithium	6-1	19601	464518	571617	351912	83.18	cps
Magnesium	24-2	483	542	492	506	6.24	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : PB117527BLRE Instrumnet Name : P8
 Client Sample ID : PB117527BLRE Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:36:09 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	67	90	43	67	35.00	cps
Molybdenum	94-1	108	133	217	153	37.13	cps
Molybdenum	95-1	50	42	25	39	32.73	cps
Molybdenum	96-1	92	92	117	100	14.43	cps
Molybdenum	97-1	133	142	100	125	17.63	cps
Molybdenum	98-1	92	50	108	83	36.06	cps
Neodymium	150-1	7	7	20	11	69.25	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	160	140	123	141	13.01	cps
Phosphorus	31-2	17	17	0	11	86.60	cps
Potassium	39-2	6969	6343	6560	6624	4.79	cps
Rhodium	103-1	35038	2258072	2807946	1700352	86.35	cps
Rhodium	103-2	1123354	1158991	1164024	1148789	1.93	cps
Scandium	45-1	34276	1921491	2467319	1474362	86.59	cps
Scandium	45-2	32681	33617	34018	33439	2.05	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	2	0	2	1	86.60	cps
Selenium	82-1	-66	-37	6	-32	-113.48	cps
Silicon	28-1	440206	427637	418293	428712	2.56	cps
Silver	109-1	267	200	300	256	19.92	cps
Silver	107-1	208	225	342	258	28.12	cps
Sodium	23-2	16452	15834	15668	15985	2.58	cps
Strontium	86-1	1617	1592	1417	1542	7.07	cps
Strontium	88-1	67	75	67	69	6.93	cps
Sulfur	34-1	575192	582128	581488	579603	0.66	cps
Terbium	159-1	38232	2380294	3018668	1812398	86.59	cps
Terbium	159-2	1071657	1100886	1106956	1093166	1.73	cps
Thallium	203-1	158	167	133	153	11.36	cps
Thallium	205-1	392	392	433	406	5.93	cps
Tin	118-1	242	217	233	231	5.52	cps
Titanium	47-1	167	125	117	136	19.69	cps
Uranium	238-1	25	8	17	17	50.01	cps
Vanadium	51-2	13	7	23	14	58.06	cps
Yttrium	89-1	41233	2697807	3402101	2047047	86.58	cps
Yttrium	89-2	189965	191699	194498	192054	1.19	cps
Zinc	66-2	83	80	103	89	14.20	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BLRE	Instrumnet Name :	P8
Client Sample ID :	PB117527BLRE	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:36:09	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	100	233	242	192	41.48	cps
Zirconium	91-1	25	117	117	86	61.46	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : PB117527BS Instrumnet Name : P8
 Client Sample ID : PB117527BS Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 17:39:46 DataFile Name : 022LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	90626	91831	91506	91321	0.68	cps
Antimony	121-1	2463354	2487464	2490273	2480363	0.60	cps
Arsenic	75-2	65954	66055	67216	66409	1.06	cps
Barium	135-1	2330115	2397450	2418031	2381866	1.93	cps
Barium	137-1	4089322	4140113	4148149	4125861	0.77	cps
Beryllium	9-1	578220	579732	565621	574524	1.35	cps
Bismuth	209-1	1569174	1570536	1558083	1565931	0.44	cps
Bismuth	209-2	805239	810401	812267	809302	0.45	cps
Boron	11-1	369532	382634	381499	377888	1.92	cps
Boron	10-1	74946	76782	77652	76460	1.81	cps
Cadmium	106-1	62170	62137	62386	62231	0.22	cps
Cadmium	108-1	42467	41857	41819	42048	0.86	cps
Cadmium	111-1	569576	566979	570918	569158	0.35	cps
Calcium	43-1	800495	800635	800417	800516	0.01	cps
Calcium	44-1	13006689	13040316	12885974	12977660	0.63	cps
Chromium	52-2	475906	472561	472520	473662	0.41	cps
Cobalt	59-2	923049	922359	920600	922003	0.14	cps
Copper	63-2	1490930	1506395	1493203	1496842	0.56	cps
Dysprosium	156-1	67	58	42	56	22.91	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	33	33	31	15.74	cps
Erbium	164-2	17	7	7	10	57.72	cps
Gadolinium	160-1	17	17	25	19	24.73	cps
Gadolinium	160-2	10	3	7	7	50.03	cps
Holmium	165-1	2780159	2848854	2807741	2812251	1.23	cps
Holmium	165-2	1096694	1108301	1112900	1105965	0.76	cps
Indium	115-1	2793108	2736910	2794674	2774897	1.19	cps
Indium	115-2	227150	228718	227597	227822	0.35	cps
Iron	56-2	16312075	16336418	16284932	16311142	0.16	cps
Iron	57-2	405073	410271	405179	406841	0.73	cps
Krypton	83-1	897	947	977	940	4.30	cps
Lead	207-1	934241	964138	946052	948144	1.59	cps
Lead	208-1	4281502	4371623	4312301	4321809	1.06	cps
Lead	206-1	1035099	1051617	1047418	1044711	0.82	cps
Lithium	6-1	578885	581067	568954	576302	1.12	cps
Magnesium	24-2	2031673	2038560	2034547	2034927	0.17	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BS	Instrumnet Name :	P8
Client Sample ID :	PB117527BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:39:46	DataFile Name :	022LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	298719	300440	300722	299961	0.36	cps
Molybdenum	94-1	4772616	4774782	4749420	4765606	0.30	cps
Molybdenum	95-1	5942349	5940821	5881634	5921601	0.58	cps
Molybdenum	96-1	6587018	6563298	6517712	6556009	0.54	cps
Molybdenum	97-1	3659678	3693970	3662090	3671913	0.52	cps
Molybdenum	98-1	9282011	9300618	9258894	9280508	0.23	cps
Neodymium	150-1	120	113	120	118	3.27	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	266378	265118	265468	265654	0.24	cps
Phosphorus	31-2	7944	7402	7702	7683	3.53	cps
Potassium	39-2	620717	621089	624126	621977	0.30	cps
Rhodium	103-1	2748545	2773560	2743705	2755270	0.58	cps
Rhodium	103-2	1119258	1120643	1123271	1121058	0.18	cps
Scandium	45-1	2457409	2409086	2416230	2427575	1.07	cps
Scandium	45-2	33761	33126	33066	33317	1.16	cps
Selenium	77-2	487	507	457	483	5.21	cps
Selenium	78-2	1741	1822	1759	1774	2.41	cps
Selenium	82-1	43886	44248	43811	43981	0.53	cps
Silicon	28-1	2083784	2093134	2134252	2103724	1.28	cps
Silver	109-1	2632388	2585604	2615036	2611009	0.91	cps
Silver	107-1	2761443	2741441	2747957	2750281	0.37	cps
Sodium	23-2	4662252	4679631	4653608	4665163	0.28	cps
Strontium	86-1	847055	857492	850612	851719	0.62	cps
Strontium	88-1	7329247	7322792	7233198	7295079	0.74	cps
Sulfur	34-1	863206	849484	852461	855051	0.84	cps
Terbium	159-1	3024014	2975948	2998733	2999565	0.80	cps
Terbium	159-2	1097237	1108372	1100973	1102194	0.51	cps
Thallium	203-1	1308365	1334360	1321681	1321468	0.98	cps
Thallium	205-1	3164372	3258124	3179567	3200688	1.57	cps
Tin	118-1	1612717	1611542	1636685	1620315	0.88	cps
Titanium	47-1	2032524	2056146	2018914	2035861	0.93	cps
Uranium	238-1	3811383	3849463	3835182	3832009	0.50	cps
Vanadium	51-2	361508	362794	360038	361447	0.38	cps
Yttrium	89-1	3378288	3427867	3375324	3393826	0.87	cps
Yttrium	89-2	192115	191484	192075	191891	0.18	cps
Zinc	66-2	173178	173639	177426	174748	1.33	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BS	Instrumnet Name :	P8
Client Sample ID :	PB117527BS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:39:46	DataFile Name :	022LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3811753	3846261	3832464	3830159	0.45	cps
Zirconium	91-1	833237	841471	831786	835498	0.63	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01	Instrumnet Name :	P8
Client Sample ID :	TOTAL-N	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:43:12	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	610	598	618	609	1.66	cps
Antimony	121-1	10079	10821	11647	10849	7.23	cps
Arsenic	75-2	65	93	69	75	20.02	cps
Barium	135-1	40839	40889	42477	41402	2.25	cps
Barium	137-1	70631	72391	73161	72061	1.80	cps
Beryllium	9-1	127	147	163	146	12.61	cps
Bismuth	209-1	1556101	1556674	1596137	1569637	1.46	cps
Bismuth	209-2	767358	758305	761448	762371	0.60	cps
Boron	11-1	20499	20716	20407	20540	0.77	cps
Boron	10-1	3976	3834	4042	3951	2.69	cps
Cadmium	106-1	775	658	633	689	10.98	cps
Cadmium	108-1	21	17	13	17	24.99	cps
Cadmium	111-1	636	587	564	596	6.22	cps
Calcium	43-1	403829	407858	412529	408072	1.07	cps
Calcium	44-1	6606652	6688894	6647853	6647800	0.62	cps
Chromium	52-2	2980	2797	2597	2791	6.87	cps
Cobalt	59-2	320	370	300	330	10.93	cps
Copper	63-2	15022	15686	15232	15313	2.22	cps
Dysprosium	156-1	167	142	242	183	28.39	cps
Dysprosium	156-2	57	47	53	52	9.75	cps
Erbium	164-1	133	125	142	133	6.25	cps
Erbium	164-2	57	60	27	48	38.42	cps
Gadolinium	160-1	108	175	142	142	23.53	cps
Gadolinium	160-2	37	53	67	52	28.78	cps
Holmium	165-1	2663411	2787899	2871403	2774238	3.77	cps
Holmium	165-2	1047922	1016447	1026501	1030290	1.56	cps
Indium	115-1	2850254	2867618	2896162	2871344	0.81	cps
Indium	115-2	213531	215642	214568	214581	0.49	cps
Iron	56-2	112803	114430	113752	113662	0.72	cps
Iron	57-2	2700	2934	2961	2865	5.01	cps
Krypton	83-1	920	920	963	934	2.68	cps
Lead	207-1	2489	2573	2145	2402	9.44	cps
Lead	208-1	11058	10986	10808	10950	1.17	cps
Lead	206-1	2956	2728	2828	2837	4.02	cps
Lithium	6-1	594735	640483	674764	636661	6.31	cps
Magnesium	24-2	227315	229390	226121	227609	0.73	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01	Instrumnet Name :	P8
Client Sample ID :	TOTAL-N	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:43:12	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	4147	4337	4397	4294	3.04	cps
Molybdenum	94-1	1025	817	1008	950	12.19	cps
Molybdenum	95-1	700	733	833	756	9.18	cps
Molybdenum	96-1	950	1025	1017	997	4.12	cps
Molybdenum	97-1	608	792	533	644	20.62	cps
Molybdenum	98-1	1283	1192	1358	1278	6.53	cps
Neodymium	150-1	167	207	187	187	10.72	cps
Neodymium	150-2	43	77	50	57	31.13	cps
Nickel	60-2	320	427	367	371	14.41	cps
Phosphorus	31-2	17	33	25	25	33.32	cps
Potassium	39-2	50015	48526	48392	48978	1.84	cps
Rhodium	103-1	2585389	2631865	2719700	2645651	2.58	cps
Rhodium	103-2	1036859	1039924	1037349	1038044	0.16	cps
Scandium	45-1	2189421	2189253	2204848	2194507	0.41	cps
Scandium	45-2	28175	28763	28081	28340	1.30	cps
Selenium	77-2	7	3	0	3	100.05	cps
Selenium	78-2	0	6	6	4	86.60	cps
Selenium	82-1	-69	-34	-40	-48	-40.13	cps
Silicon	28-1	1106875	1121773	1131928	1120192	1.12	cps
Silver	109-1	20158	16403	12990	16517	21.71	cps
Silver	107-1	21593	16861	14533	17663	20.37	cps
Sodium	23-2	4757738	4725227	4690202	4724389	0.71	cps
Strontium	86-1	99311	103164	102869	101782	2.11	cps
Strontium	88-1	834352	857549	859413	850438	1.64	cps
Sulfur	34-1	547403	551373	548231	549002	0.38	cps
Terbium	159-1	2833626	2926696	3005125	2921816	2.94	cps
Terbium	159-2	997123	999966	1013073	1003387	0.85	cps
Thallium	203-1	158	75	133	122	34.99	cps
Thallium	205-1	333	358	183	292	32.45	cps
Tin	118-1	22161	21285	20291	21245	4.40	cps
Titanium	47-1	2018	1809	1959	1928	5.59	cps
Uranium	238-1	2950	2875	3109	2978	4.00	cps
Vanadium	51-2	627	747	677	683	8.82	cps
Yttrium	89-1	3159449	3213896	3270424	3214590	1.73	cps
Yttrium	89-2	167865	168121	165948	167312	0.71	cps
Zinc	66-2	1297	1317	1390	1335	3.68	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01	Instrumnet Name :	P8
Client Sample ID :	TOTAL-N	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:43:12	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1334	1559	1475	1456	7.83	cps
Zirconium	91-1	192	317	317	275	26.24	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01DUP	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:46:46	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	823	623	700	715	14.11	cps
Antimony	121-1	11347	12340	12823	12170	6.18	cps
Arsenic	75-2	87	59	83	77	19.70	cps
Barium	135-1	42269	42344	43732	42781	1.93	cps
Barium	137-1	73681	75164	74804	74550	1.04	cps
Beryllium	9-1	80	110	70	87	24.02	cps
Bismuth	209-1	1639011	1674610	1648011	1653877	1.12	cps
Bismuth	209-2	761272	760825	752417	758171	0.66	cps
Boron	11-1	16769	17002	17169	16980	1.18	cps
Boron	10-1	3326	3184	3492	3334	4.63	cps
Cadmium	106-1	825	708	758	764	7.66	cps
Cadmium	108-1	17	8	21	15	41.67	cps
Cadmium	111-1	595	540	537	557	5.85	cps
Calcium	43-1	405108	406915	407508	406510	0.31	cps
Calcium	44-1	6577020	6681911	6594331	6617754	0.85	cps
Chromium	52-2	2187	2227	2207	2207	0.91	cps
Cobalt	59-2	263	247	310	273	12.01	cps
Copper	63-2	13493	13437	13503	13478	0.27	cps
Dysprosium	156-1	133	175	292	200	41.04	cps
Dysprosium	156-2	40	43	60	48	22.43	cps
Erbium	164-1	142	175	142	153	12.60	cps
Erbium	164-2	63	33	50	49	30.75	cps
Gadolinium	160-1	158	125	183	156	18.81	cps
Gadolinium	160-2	53	50	70	58	18.55	cps
Holmium	165-1	2847306	2873773	2929825	2883635	1.46	cps
Holmium	165-2	1025093	1018424	1016352	1019957	0.45	cps
Indium	115-1	2860190	2879205	2867655	2869017	0.33	cps
Indium	115-2	206368	205007	204775	205384	0.42	cps
Iron	56-2	108973	109461	109795	109410	0.38	cps
Iron	57-2	2800	2789	2884	2824	1.83	cps
Krypton	83-1	913	933	953	933	2.14	cps
Lead	207-1	2417	2061	2189	2223	8.11	cps
Lead	208-1	10702	9685	10224	10204	4.99	cps
Lead	206-1	2789	2645	2862	2765	3.99	cps
Lithium	6-1	649327	658424	656583	654778	0.73	cps
Magnesium	24-2	218575	216449	218140	217721	0.52	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01DUP	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:46:46	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	4154	4061	4181	4132	1.53	cps
Molybdenum	94-1	758	883	875	839	8.33	cps
Molybdenum	95-1	583	567	717	622	13.21	cps
Molybdenum	96-1	817	775	608	733	15.03	cps
Molybdenum	97-1	583	642	550	592	7.84	cps
Molybdenum	98-1	858	908	883	883	2.83	cps
Neodymium	150-1	213	207	240	220	8.02	cps
Neodymium	150-2	50	30	63	48	35.11	cps
Nickel	60-2	357	327	297	327	9.18	cps
Phosphorus	31-2	42	25	17	28	45.82	cps
Potassium	39-2	44354	44287	43334	43992	1.30	cps
Rhodium	103-1	2674243	2680247	2726630	2693707	1.06	cps
Rhodium	103-2	1038794	1024347	1026081	1029741	0.77	cps
Scandium	45-1	2148850	2166074	2172940	2162621	0.57	cps
Scandium	45-2	28122	27240	27641	27667	1.60	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	4	2	3	34.64	cps
Selenium	82-1	-43	-1	-76	-40	-93.31	cps
Silicon	28-1	1040853	1437402	1194507	1224254	16.33	cps
Silver	109-1	8061	6952	6310	7108	12.46	cps
Silver	107-1	8161	7244	6977	7461	8.32	cps
Sodium	23-2	4593458	4599848	4560855	4584720	0.46	cps
Strontium	86-1	102526	102895	103036	102819	0.26	cps
Strontium	88-1	858561	868660	869598	865607	0.71	cps
Sulfur	34-1	553297	543166	544889	547117	0.99	cps
Terbium	159-1	2972490	3038069	3082550	3031037	1.83	cps
Terbium	159-2	1013317	997308	1006401	1005676	0.80	cps
Thallium	203-1	33	58	33	42	34.65	cps
Thallium	205-1	75	150	125	117	32.74	cps
Tin	118-1	14492	14550	14834	14625	1.25	cps
Titanium	47-1	1884	2242	3761	2629	37.91	cps
Uranium	238-1	2867	3067	3051	2995	3.71	cps
Vanadium	51-2	660	707	773	713	7.99	cps
Yttrium	89-1	3198211	3248045	3252962	3233072	0.94	cps
Yttrium	89-2	163308	163382	162127	162939	0.43	cps
Zinc	66-2	1273	1270	1217	1253	2.54	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01DUP	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NDUP	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:46:46	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1033	1058	875	989	10.05	cps
Zirconium	91-1	275	710	208	398	68.47	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01LX5	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NL	Dilution Factor :	5
Date & Time Acquired ::	2019-03-01 17:50:19	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	250	218	203	223	10.88	cps
Antimony	121-1	2300	2050	1892	2081	9.90	cps
Arsenic	75-2	17	24	17	19	22.33	cps
Barium	135-1	8978	9329	8687	8998	3.57	cps
Barium	137-1	15368	15259	15894	15507	2.19	cps
Beryllium	9-1	90	97	100	96	5.33	cps
Bismuth	209-1	1684817	1686748	1715301	1695622	1.01	cps
Bismuth	209-2	804534	794801	803832	801055	0.68	cps
Boron	11-1	6102	5826	5843	5924	2.60	cps
Boron	10-1	1167	1183	1042	1131	6.85	cps
Cadmium	106-1	775	792	850	806	4.89	cps
Cadmium	108-1	13	25	13	17	43.30	cps
Cadmium	111-1	546	558	599	568	4.87	cps
Calcium	43-1	85233	85625	85183	85347	0.28	cps
Calcium	44-1	1431593	1462887	1467394	1453958	1.34	cps
Chromium	52-2	1767	1817	1723	1769	2.64	cps
Cobalt	59-2	137	120	117	124	8.61	cps
Copper	63-2	4184	3817	4237	4080	5.61	cps
Dysprosium	156-1	33	50	58	47	26.97	cps
Dysprosium	156-2	17	13	17	16	12.40	cps
Erbium	164-1	25	25	42	31	31.50	cps
Erbium	164-2	7	7	7	7	0.00	cps
Gadolinium	160-1	67	50	33	50	33.34	cps
Gadolinium	160-2	17	10	23	17	39.99	cps
Holmium	165-1	2941094	2961261	2910243	2937532	0.87	cps
Holmium	165-2	1066304	1069758	1086572	1074211	1.01	cps
Indium	115-1	2858686	2909911	2901999	2890199	0.95	cps
Indium	115-2	218770	218579	220981	219443	0.61	cps
Iron	56-2	25819	26025	26147	25997	0.64	cps
Iron	57-2	778	600	744	707	13.36	cps
Krypton	83-1	963	1080	937	993	7.67	cps
Lead	207-1	650	594	594	613	5.23	cps
Lead	208-1	2772	2639	2500	2637	5.16	cps
Lead	206-1	783	667	694	715	8.53	cps
Lithium	6-1	491668	500485	500846	497666	1.04	cps
Magnesium	24-2	48559	47514	46109	47394	2.59	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01LX5	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NL	Dilution Factor :	5
Date & Time Acquired ::	2019-03-01 17:50:19	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	957	983	843	928	8.01	cps
Molybdenum	94-1	417	308	258	328	24.71	cps
Molybdenum	95-1	83	142	158	128	30.82	cps
Molybdenum	96-1	317	217	233	256	20.99	cps
Molybdenum	97-1	333	342	350	342	2.44	cps
Molybdenum	98-1	183	250	167	200	22.05	cps
Neodymium	150-1	53	27	80	53	50.00	cps
Neodymium	150-2	3	13	10	9	57.30	cps
Nickel	60-2	157	140	153	150	5.88	cps
Phosphorus	31-2	17	17	25	19	24.73	cps
Potassium	39-2	15701	15309	15150	15387	1.84	cps
Rhodium	103-1	2793477	2808955	2824660	2809031	0.56	cps
Rhodium	103-2	1102458	1100654	1102558	1101890	0.10	cps
Scandium	45-1	2312070	2339778	2326806	2326218	0.60	cps
Scandium	45-2	30263	29932	30026	30074	0.57	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	4	0	2	2	100.00	cps
Selenium	82-1	-119	-212	-17	-116	-84.18	cps
Silicon	28-1	535949	548407	540677	541678	1.16	cps
Silver	109-1	2434	2392	2284	2370	3.27	cps
Silver	107-1	2442	2317	2259	2339	4.00	cps
Sodium	23-2	985335	984630	994327	988097	0.55	cps
Strontium	86-1	22469	22486	22119	22358	0.93	cps
Strontium	88-1	177641	181163	177095	178633	1.24	cps
Sulfur	34-1	544765	538428	538682	540625	0.66	cps
Terbium	159-1	3136925	3049809	3093521	3093418	1.41	cps
Terbium	159-2	1063781	1051396	1054653	1056610	0.61	cps
Thallium	203-1	58	58	33	50	28.88	cps
Thallium	205-1	167	67	58	97	62.00	cps
Tin	118-1	1308	1408	1283	1333	4.96	cps
Titanium	47-1	700	400	517	539	28.08	cps
Uranium	238-1	550	700	650	633	12.06	cps
Vanadium	51-2	130	113	160	134	17.59	cps
Yttrium	89-1	3373871	3352924	3368777	3365191	0.32	cps
Yttrium	89-2	174685	174629	175771	175028	0.37	cps
Zinc	66-2	407	317	303	342	16.42	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01LX5	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NL	Dilution Factor :	5
Date & Time Acquired ::	2019-03-01 17:50:19	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	392	408	433	411	5.10	cps
Zirconium	91-1	83	83	117	94	20.37	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MS	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:53:52	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	70800	70765	70475	70680	0.25	cps
Antimony	121-1	2378319	2376830	2378921	2378023	0.05	cps
Arsenic	75-2	54260	53847	53685	53931	0.55	cps
Barium	135-1	2403514	2434328	2427422	2421755	0.67	cps
Barium	137-1	4158151	4240853	4207469	4202158	0.99	cps
Beryllium	9-1	402479	401023	401767	401756	0.18	cps
Bismuth	209-1	1651160	1660258	1646054	1652491	0.44	cps
Bismuth	209-2	756668	750720	754288	753892	0.40	cps
Boron	11-1	281332	286490	293329	287050	2.10	cps
Boron	10-1	57249	58630	59793	58557	2.17	cps
Cadmium	106-1	57549	58344	58177	58023	0.72	cps
Cadmium	108-1	38848	38480	38184	38504	0.86	cps
Cadmium	111-1	533283	532833	535566	533894	0.27	cps
Calcium	43-1	1069635	1088128	1078669	1078811	0.86	cps
Calcium	44-1	17378179	17586938	17540046	17501721	0.63	cps
Chromium	52-2	396273	394187	394990	395150	0.27	cps
Cobalt	59-2	790564	789398	791997	790653	0.16	cps
Copper	63-2	1370808	1364207	1378880	1371299	0.54	cps
Dysprosium	156-1	292	200	175	222	27.64	cps
Dysprosium	156-2	40	73	50	54	31.42	cps
Erbium	164-1	167	150	200	172	14.78	cps
Erbium	164-2	50	43	37	43	15.38	cps
Gadolinium	160-1	125	192	167	161	20.90	cps
Gadolinium	160-2	63	77	60	67	13.23	cps
Holmium	165-1	2949245	2925733	3007061	2960680	1.41	cps
Holmium	165-2	1022936	1030859	1024699	1026165	0.41	cps
Indium	115-1	2786221	2743541	2755070	2761610	0.80	cps
Indium	115-2	193275	194257	191673	193069	0.68	cps
Iron	56-2	14157854	14053841	14030296	14080664	0.48	cps
Iron	57-2	350142	351434	351797	351124	0.25	cps
Krypton	83-1	1040	1033	1077	1050	2.22	cps
Lead	207-1	931282	934862	959912	942018	1.66	cps
Lead	208-1	4309456	4374942	4467444	4383947	1.81	cps
Lead	206-1	1073650	1077725	1092096	1081157	0.90	cps
Lithium	6-1	604923	610766	620692	612127	1.30	cps
Magnesium	24-2	2044921	2030964	2007279	2027721	0.94	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MS	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:53:52	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	259533	256341	258678	258184	0.64	cps
Molybdenum	94-1	4417742	4468700	4527709	4471384	1.23	cps
Molybdenum	95-1	5387340	5491331	5485525	5454732	1.07	cps
Molybdenum	96-1	5967643	6143862	6158705	6090070	1.75	cps
Molybdenum	97-1	3303463	3400278	3404246	3369329	1.69	cps
Molybdenum	98-1	8464678	8687791	8748684	8633718	1.73	cps
Neodymium	150-1	247	393	313	318	23.11	cps
Neodymium	150-2	40	57	67	54	24.75	cps
Nickel	60-2	230424	229853	230997	230424	0.25	cps
Phosphorus	31-2	8	33	42	28	62.46	cps
Potassium	39-2	523870	524336	525486	524564	0.16	cps
Rhodium	103-1	2624255	2653008	2671349	2649537	0.90	cps
Rhodium	103-2	1007331	1006527	1004383	1006080	0.15	cps
Scandium	45-1	2153785	2118401	2174441	2148876	1.32	cps
Scandium	45-2	26699	26479	27908	27028	2.85	cps
Selenium	77-2	390	333	437	387	13.38	cps
Selenium	78-2	1319	1209	1365	1298	6.16	cps
Selenium	82-1	39836	40544	40501	40294	0.98	cps
Silicon	28-1	2461618	2469638	2532463	2487906	1.56	cps
Silver	109-1	2446447	2465245	2501665	2471119	1.14	cps
Silver	107-1	2569349	2591423	2600744	2587172	0.62	cps
Sodium	23-2	8100799	8142336	8071029	8104722	0.44	cps
Strontium	86-1	790886	797890	792200	793659	0.47	cps
Strontium	88-1	6761186	6847292	6854255	6820911	0.76	cps
Sulfur	34-1	529091	528744	516321	524719	1.39	cps
Terbium	159-1	3081462	3102998	3133317	3105926	0.84	cps
Terbium	159-2	1012680	1002925	1008411	1008005	0.49	cps
Thallium	203-1	1333821	1345682	1360834	1346779	1.01	cps
Thallium	205-1	3241308	3306519	3302879	3283569	1.12	cps
Tin	118-1	1506427	1513053	1525721	1515067	0.65	cps
Titanium	47-1	1762814	1771093	1782872	1772260	0.57	cps
Uranium	238-1	4042952	4164176	4105401	4104176	1.48	cps
Vanadium	51-2	299031	298029	298443	298501	0.17	cps
Yttrium	89-1	3263740	3239269	3232546	3245185	0.51	cps
Yttrium	89-2	160952	158221	159870	159681	0.86	cps
Zinc	66-2	145295	147857	145599	146250	0.96	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MS	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMS	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:53:52	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3756083	3785411	3817498	3786331	0.81	cps
Zirconium	91-1	814295	828160	839773	827409	1.54	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MSD	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:57:20	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	68277	68267	69330	68624	0.89	cps
Antimony	121-1	2336213	2342223	2431122	2369853	2.24	cps
Arsenic	75-2	52875	52310	52468	52551	0.55	cps
Barium	135-1	2432759	2385859	2460668	2426429	1.56	cps
Barium	137-1	4128943	4057453	4237214	4141203	2.19	cps
Beryllium	9-1	387335	388080	388932	388116	0.21	cps
Bismuth	209-1	1715299	1659899	1680843	1685347	1.66	cps
Bismuth	209-2	755038	749572	749169	751260	0.44	cps
Boron	11-1	277538	280979	285368	281295	1.40	cps
Boron	10-1	56236	57291	59223	57583	2.63	cps
Cadmium	106-1	57725	56821	57097	57214	0.81	cps
Cadmium	108-1	37833	38071	39283	38395	2.03	cps
Cadmium	111-1	528249	529806	533942	530666	0.55	cps
Calcium	43-1	1058129	1075195	1065465	1066263	0.80	cps
Calcium	44-1	17102268	17374894	17273001	17250054	0.80	cps
Chromium	52-2	389704	387750	385959	387804	0.48	cps
Cobalt	59-2	778782	775478	777511	777257	0.21	cps
Copper	63-2	1350309	1352056	1348079	1350148	0.15	cps
Dysprosium	156-1	192	192	225	203	9.49	cps
Dysprosium	156-2	37	73	63	58	32.80	cps
Erbium	164-1	167	100	125	131	25.80	cps
Erbium	164-2	53	43	33	43	23.08	cps
Gadolinium	160-1	150	167	167	161	5.97	cps
Gadolinium	160-2	57	110	80	82	32.51	cps
Holmium	165-1	3010915	2965612	3001703	2992743	0.80	cps
Holmium	165-2	1032074	1032408	1017739	1027407	0.82	cps
Indium	115-1	2755260	2757140	2774918	2762439	0.39	cps
Indium	115-2	191432	191165	192234	191610	0.29	cps
Iron	56-2	13809949	13749408	13832609	13797322	0.31	cps
Iron	57-2	343797	343221	345112	344044	0.28	cps
Krypton	83-1	1003	1007	1000	1003	0.33	cps
Lead	207-1	944946	950646	953302	949632	0.45	cps
Lead	208-1	4352837	4414203	4413859	4393633	0.80	cps
Lead	206-1	1070346	1098158	1093224	1087243	1.36	cps
Lithium	6-1	566934	571478	577913	572108	0.96	cps
Magnesium	24-2	2672489	2742822	2702942	2706084	1.30	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MSD	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:57:20	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	252228	251407	252369	252001	0.21	cps
Molybdenum	94-1	4368374	4475902	4502006	4448761	1.59	cps
Molybdenum	95-1	5294227	5394321	5478055	5388867	1.71	cps
Molybdenum	96-1	5939632	5980080	6107113	6008942	1.45	cps
Molybdenum	97-1	3288428	3376606	3364071	3343035	1.43	cps
Molybdenum	98-1	8400241	8553246	8580241	8511242	1.14	cps
Neodymium	150-1	227	300	220	249	17.84	cps
Neodymium	150-2	53	53	40	49	15.74	cps
Nickel	60-2	224433	228185	227295	226638	0.87	cps
Phosphorus	31-2	17	58	17	31	78.72	cps
Potassium	39-2	510886	516937	511804	513209	0.64	cps
Rhodium	103-1	2663553	2624677	2678527	2655586	1.05	cps
Rhodium	103-2	1023320	1006952	1005245	1011839	0.99	cps
Scandium	45-1	2130986	2117979	2108431	2119132	0.53	cps
Scandium	45-2	26986	26689	26829	26835	0.55	cps
Selenium	77-2	430	407	383	407	5.74	cps
Selenium	78-2	1432	1328	1319	1359	4.61	cps
Selenium	82-1	39202	39585	39597	39461	0.57	cps
Silicon	28-1	2396586	2417725	2444001	2419437	0.98	cps
Silver	109-1	2430507	2436083	2474865	2447151	0.99	cps
Silver	107-1	2590366	2573557	2603226	2589049	0.57	cps
Sodium	23-2	7983479	8043255	8042150	8022961	0.43	cps
Strontium	86-1	780021	785252	793757	786343	0.88	cps
Strontium	88-1	6696864	6693557	6833137	6741186	1.18	cps
Sulfur	34-1	513640	511727	503581	509649	1.05	cps
Terbium	159-1	3153616	3129390	3213240	3165415	1.36	cps
Terbium	159-2	1006603	1014815	1001771	1007730	0.65	cps
Thallium	203-1	1339883	1371598	1356798	1356093	1.17	cps
Thallium	205-1	3257126	3332656	3363634	3317805	1.65	cps
Tin	118-1	1492353	1494807	1545460	1510873	1.98	cps
Titanium	47-1	1708664	1734030	1719379	1720691	0.74	cps
Uranium	238-1	4146429	4221411	4245539	4204460	1.23	cps
Vanadium	51-2	294125	294347	290824	293099	0.67	cps
Yttrium	89-1	3232271	3216065	3291842	3246726	1.23	cps
Yttrium	89-2	160804	160386	157607	159599	1.09	cps
Zinc	66-2	142139	142581	141692	142138	0.31	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01MSD	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NMSD	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 17:57:20	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3666852	3714163	3730230	3703748	0.89	cps
Zirconium	91-1	802024	809344	820027	810465	1.12	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01A	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:00:47	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	69013	66991	68222	68075	1.50	cps
Antimony	121-1	2377295	2382036	2394255	2384529	0.37	cps
Arsenic	75-2	53802	52873	52953	53209	0.97	cps
Barium	135-1	2422169	2433612	2466058	2440613	0.93	cps
Barium	137-1	4226622	4167806	4207690	4200706	0.71	cps
Beryllium	9-1	376283	381600	375414	377766	0.89	cps
Bismuth	209-1	1709869	1663795	1723455	1699039	1.84	cps
Bismuth	209-2	733862	738487	743905	738752	0.68	cps
Boron	11-1	275637	274763	280204	276868	1.06	cps
Boron	10-1	56170	56646	57750	56855	1.43	cps
Cadmium	106-1	55641	57959	57131	56910	2.06	cps
Cadmium	108-1	38493	38856	38718	38689	0.47	cps
Cadmium	111-1	529695	535767	532128	532530	0.57	cps
Calcium	43-1	1054849	1068031	1064333	1062404	0.64	cps
Calcium	44-1	16986543	17261939	17432166	17226883	1.31	cps
Chromium	52-2	386264	387935	389963	388054	0.48	cps
Cobalt	59-2	781715	774748	774448	776970	0.53	cps
Copper	63-2	1347240	1351372	1363260	1353958	0.61	cps
Dysprosium	156-1	217	183	217	206	9.36	cps
Dysprosium	156-2	63	83	40	62	34.86	cps
Erbium	164-1	225	83	117	142	52.28	cps
Erbium	164-2	37	50	63	50	26.66	cps
Gadolinium	160-1	225	233	200	219	7.91	cps
Gadolinium	160-2	57	83	93	78	24.37	cps
Holmium	165-1	2954224	2985249	3044667	2994714	1.53	cps
Holmium	165-2	1014286	1017358	1013426	1015024	0.20	cps
Indium	115-1	2740573	2742876	2737637	2740362	0.10	cps
Indium	115-2	189298	189707	192750	190585	0.99	cps
Iron	56-2	13740724	13595962	13675360	13670682	0.53	cps
Iron	57-2	346436	341021	345322	344260	0.83	cps
Krypton	83-1	1030	1043	1057	1043	1.28	cps
Lead	207-1	940963	964842	959869	955224	1.32	cps
Lead	208-1	4386151	4474457	4479292	4446633	1.18	cps
Lead	206-1	1068543	1088171	1101697	1086137	1.53	cps
Lithium	6-1	523302	537759	535745	532269	1.47	cps
Magnesium	24-2	2285753	2297623	2331054	2304810	1.02	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01A	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:00:47	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	252902	251317	251792	252004	0.32	cps
Molybdenum	94-1	4440030	4430789	4452033	4440951	0.24	cps
Molybdenum	95-1	5380956	5387291	5447496	5405248	0.68	cps
Molybdenum	96-1	5983049	6054021	6079073	6038714	0.82	cps
Molybdenum	97-1	3356174	3355678	3395386	3369079	0.68	cps
Molybdenum	98-1	8520865	8592016	8599922	8570934	0.51	cps
Neodymium	150-1	260	400	360	340	21.21	cps
Neodymium	150-2	57	40	63	53	22.53	cps
Nickel	60-2	225280	226503	227561	226448	0.50	cps
Phosphorus	31-2	25	42	8	25	66.68	cps
Potassium	39-2	512511	511723	512973	512402	0.12	cps
Rhodium	103-1	2637663	2624121	2706044	2655943	1.65	cps
Rhodium	103-2	1001592	1011593	1013685	1008957	0.64	cps
Scandium	45-1	2134385	2123065	2143840	2133763	0.49	cps
Scandium	45-2	27073	26512	26241	26609	1.59	cps
Selenium	77-2	463	433	407	434	6.53	cps
Selenium	78-2	1435	1328	1413	1392	4.07	cps
Selenium	82-1	38985	39452	39542	39326	0.76	cps
Silicon	28-1	2360798	2635644	2412247	2469563	5.92	cps
Silver	109-1	2444775	2491182	2485473	2473810	1.02	cps
Silver	107-1	2609397	2596321	2607293	2604337	0.27	cps
Sodium	23-2	7947547	7943770	7957044	7949454	0.09	cps
Strontium	86-1	785795	791630	794788	790738	0.58	cps
Strontium	88-1	6748823	6759412	6785970	6764735	0.28	cps
Sulfur	34-1	500759	492452	496047	496419	0.84	cps
Terbium	159-1	3125303	3098046	3203091	3142147	1.73	cps
Terbium	159-2	998194	1005281	995580	999685	0.50	cps
Thallium	203-1	1339355	1351094	1371994	1354148	1.22	cps
Thallium	205-1	3246331	3286381	3334833	3289182	1.35	cps
Tin	118-1	1491814	1511154	1520108	1507692	0.96	cps
Titanium	47-1	1707640	1727628	1758246	1731171	1.47	cps
Uranium	238-1	4062976	4185125	4221378	4156493	2.00	cps
Vanadium	51-2	293578	290388	293734	292567	0.65	cps
Yttrium	89-1	3230612	3247878	3285157	3254549	0.86	cps
Yttrium	89-2	158127	158417	158792	158445	0.21	cps
Zinc	66-2	142248	142816	144305	143123	0.74	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	K1598-01A	Instrumnet Name :	P8
Client Sample ID :	TOTAL-NA	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:00:47	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3771786	3798596	3773979	3781454	0.39	cps
Zirconium	91-1	813050	822914	820283	818749	0.62	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BL	Instrumnet Name :	P8
Client Sample ID :	PB117527BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:08:06	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	58	75	61	21.09	cps
Antimony	121-1	383	375	258	339	20.62	cps
Arsenic	75-2	9	13	9	10	20.36	cps
Barium	135-1	50	75	58	61	20.83	cps
Barium	137-1	117	100	92	103	12.38	cps
Beryllium	9-1	150	127	157	144	10.91	cps
Bismuth	209-1	1634218	1623340	1604917	1620825	0.91	cps
Bismuth	209-2	800601	794562	803786	799650	0.59	cps
Boron	11-1	5826	6018	5751	5865	2.35	cps
Boron	10-1	1167	1167	1208	1181	2.04	cps
Cadmium	106-1	667	800	808	758	10.48	cps
Cadmium	108-1	0	8	0	3	173.21	cps
Cadmium	111-1	483	571	578	544	9.71	cps
Calcium	43-1	307	397	343	349	12.97	cps
Calcium	44-1	41565	41953	41588	41702	0.52	cps
Chromium	52-2	1600	1817	1670	1696	6.52	cps
Cobalt	59-2	93	107	93	98	7.87	cps
Copper	63-2	1063	963	900	976	8.44	cps
Dysprosium	156-1	25	33	17	25	33.32	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	8	17	25	17	50.01	cps
Erbium	164-2	0	7	3	3	100.05	cps
Gadolinium	160-1	0	17	50	22	114.56	cps
Gadolinium	160-2	3	10	10	8	49.52	cps
Holmium	165-1	2880615	2870807	2847880	2866434	0.59	cps
Holmium	165-2	1081474	1058020	1056080	1065191	1.33	cps
Indium	115-1	2811205	2893294	2847598	2850699	1.44	cps
Indium	115-2	221467	218790	219791	220016	0.61	cps
Iron	56-2	3873	4173	4140	4062	4.05	cps
Iron	57-2	111	100	106	106	5.26	cps
Krypton	83-1	1003	1110	1043	1052	5.12	cps
Lead	207-1	589	661	689	646	7.99	cps
Lead	208-1	2695	3034	2945	2891	6.08	cps
Lead	206-1	644	656	650	650	0.85	cps
Lithium	6-1	431226	430926	431159	431104	0.04	cps
Magnesium	24-2	400	417	542	453	17.10	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BL	Instrumnet Name :	P8
Client Sample ID :	PB117527BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:08:06	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	60	90	100	83	24.98	cps
Molybdenum	94-1	350	292	225	289	21.65	cps
Molybdenum	95-1	167	158	158	161	2.98	cps
Molybdenum	96-1	208	142	192	181	19.22	cps
Molybdenum	97-1	358	408	408	392	7.37	cps
Molybdenum	98-1	325	242	292	286	14.66	cps
Neodymium	150-1	0	20	7	9	114.55	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	157	143	107	136	19.10	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	6744	6252	6502	6499	3.78	cps
Rhodium	103-1	2856595	2855761	2804032	2838796	1.06	cps
Rhodium	103-2	1119888	1114249	1115424	1116520	0.27	cps
Scandium	45-1	2306225	2350836	2327666	2328242	0.96	cps
Scandium	45-2	30600	30944	29748	30431	2.02	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	2	4	2	43.30	cps
Selenium	82-1	-43	-251	-189	-161	-66.37	cps
Silicon	28-1	385174	360744	361343	369087	3.78	cps
Silver	109-1	325	308	458	364	22.59	cps
Silver	107-1	408	625	458	497	22.82	cps
Sodium	23-2	13899	13732	13924	13852	0.75	cps
Strontium	86-1	1300	1242	1142	1228	6.52	cps
Strontium	88-1	133	192	125	150	24.22	cps
Sulfur	34-1	515753	513474	516555	515261	0.31	cps
Terbium	159-1	3046543	3101013	3099530	3082362	1.01	cps
Terbium	159-2	1064459	1043410	1047769	1051879	1.06	cps
Thallium	203-1	67	58	75	67	12.49	cps
Thallium	205-1	150	167	100	139	24.98	cps
Tin	118-1	567	517	583	556	6.25	cps
Titanium	47-1	192	192	142	175	16.49	cps
Uranium	238-1	42	17	83	47	71.32	cps
Vanadium	51-2	23	10	20	18	39.03	cps
Yttrium	89-1	3370111	3417305	3376325	3387914	0.76	cps
Yttrium	89-2	179767	177133	177785	178229	0.77	cps
Zinc	66-2	100	77	87	88	13.33	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	PB117527BL	Instrumnet Name :	P8
Client Sample ID :	PB117527BL	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:08:06	DataFile Name :	029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	542	350	317	403	30.15	cps
Zirconium	91-1	108	117	92	106	12.06	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV22	Instrumnet Name :	P8
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:11:42	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	429303	432210	433216	431576	0.47	cps
Antimony	121-1	2437279	2467694	2503400	2469458	1.34	cps
Arsenic	75-2	62459	62481	61127	62022	1.25	cps
Barium	135-1	2341773	2398597	2394155	2378175	1.33	cps
Barium	137-1	4124273	4149716	4173087	4149025	0.59	cps
Beryllium	9-1	518856	517256	518133	518082	0.15	cps
Bismuth	209-1	1607922	1692481	1666119	1655507	2.61	cps
Bismuth	209-2	815403	813774	813056	814078	0.15	cps
Boron	11-1	337886	344666	346597	343050	1.33	cps
Boron	10-1	68304	69871	70424	69533	1.58	cps
Cadmium	106-1	61592	62386	58988	60989	2.91	cps
Cadmium	108-1	40741	40478	40344	40521	0.50	cps
Cadmium	111-1	549119	551801	551914	550945	0.29	cps
Calcium	43-1	3732700	3745607	3758186	3745498	0.34	cps
Calcium	44-1	60144186	60939002	60299364	60460851	0.70	cps
Chromium	52-2	448048	451888	449189	449708	0.44	cps
Cobalt	59-2	875008	872792	875502	874434	0.17	cps
Copper	63-2	1381030	1385010	1383028	1383023	0.14	cps
Dysprosium	156-1	67	67	42	58	24.74	cps
Dysprosium	156-2	7	0	13	7	99.98	cps
Erbium	164-1	0	8	33	14	124.91	cps
Erbium	164-2	10	7	7	8	24.71	cps
Gadolinium	160-1	42	50	25	39	32.73	cps
Gadolinium	160-2	3	7	23	11	96.43	cps
Holmium	165-1	3036386	3025713	3030108	3030735	0.18	cps
Holmium	165-2	1146136	1133233	1128194	1135854	0.81	cps
Indium	115-1	2819093	2845659	2789881	2818211	0.99	cps
Indium	115-2	220287	224198	220271	221586	1.02	cps
Iron	56-2	76049529	76299421	75773993	76040981	0.35	cps
Iron	57-2	1936534	1938243	1938523	1937766	0.06	cps
Krypton	83-1	960	1020	863	948	8.34	cps
Lead	207-1	940926	957060	970733	956240	1.56	cps
Lead	208-1	4334779	4381848	4396073	4370900	0.73	cps
Lead	206-1	1047374	1060441	1073460	1060425	1.23	cps
Lithium	6-1	487798	495031	493746	492192	0.78	cps
Magnesium	24-2	8863565	8882306	8882028	8875966	0.12	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV22	Instrumnet Name :	P8
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:11:42	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	273034	272007	271549	272197	0.28	cps
Molybdenum	94-1	4713948	4734753	4686508	4711736	0.51	cps
Molybdenum	95-1	5901980	5883896	5851164	5879013	0.44	cps
Molybdenum	96-1	6540258	6612799	6548987	6567348	0.60	cps
Molybdenum	97-1	3629881	3599110	3616790	3615260	0.43	cps
Molybdenum	98-1	9287179	9236486	9173802	9232489	0.62	cps
Neodymium	150-1	167	167	140	158	9.76	cps
Neodymium	150-2	3	13	13	10	57.75	cps
Nickel	60-2	252020	251386	251634	251680	0.13	cps
Phosphorus	31-2	7803	7152	7244	7399	4.76	cps
Potassium	39-2	2831674	2817366	2842149	2830396	0.44	cps
Rhodium	103-1	2776052	2769832	2757340	2767741	0.34	cps
Rhodium	103-2	1097558	1086775	1094512	1092948	0.51	cps
Scandium	45-1	2441071	2435402	2454170	2443548	0.39	cps
Scandium	45-2	32621	32207	32140	32323	0.81	cps
Selenium	77-2	530	513	520	521	1.61	cps
Selenium	78-2	1589	1652	1672	1638	2.65	cps
Selenium	82-1	42293	42705	42687	42561	0.55	cps
Silicon	28-1	2061322	2088979	2140795	2097032	1.92	cps
Silver	109-1	2516387	2545473	2520424	2527428	0.62	cps
Silver	107-1	2674389	2671055	2649175	2664873	0.51	cps
Sodium	23-2	20849168	20848345	20971698	20889737	0.34	cps
Strontium	86-1	830294	835472	830847	832204	0.34	cps
Strontium	88-1	7189697	7205286	7215208	7203397	0.18	cps
Sulfur	34-1	805832	806830	809980	807547	0.27	cps
Terbium	159-1	3223859	3172174	3133584	3176539	1.43	cps
Terbium	159-2	1110313	1119377	1112311	1114000	0.43	cps
Thallium	203-1	1329559	1334807	1348387	1337584	0.73	cps
Thallium	205-1	3215863	3272286	3299443	3262531	1.31	cps
Tin	118-1	1595791	1608829	1609824	1604815	0.49	cps
Titanium	47-1	1951459	1959216	1963410	1958028	0.31	cps
Uranium	238-1	4051797	4033291	4041807	4042299	0.23	cps
Vanadium	51-2	341352	342924	342129	342135	0.23	cps
Yttrium	89-1	3447400	3497371	3509130	3484633	0.94	cps
Yttrium	89-2	185780	186029	185600	185803	0.12	cps
Zinc	66-2	155944	156492	155294	155910	0.38	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCV22	Instrumnet Name :	P8
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:11:42	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3863296	3918860	3896799	3892985	0.72	cps
Zirconium	91-1	838790	845983	841178	841983	0.44	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB22	Instrumnet Name :	P8
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:16:11	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	65	55	60	60	8.34	cps
Antimony	121-1	908	800	1100	936	16.23	cps
Arsenic	75-2	9	13	9	10	20.36	cps
Barium	135-1	75	92	83	83	10.00	cps
Barium	137-1	108	117	108	111	4.33	cps
Beryllium	9-1	173	167	213	184	13.68	cps
Bismuth	209-1	1774178	1759923	1748474	1760858	0.73	cps
Bismuth	209-2	849806	852706	852858	851790	0.20	cps
Boron	11-1	6769	6468	6252	6496	4.00	cps
Boron	10-1	1292	1217	1467	1325	9.68	cps
Cadmium	106-1	842	833	1025	900	12.04	cps
Cadmium	108-1	8	17	17	14	34.67	cps
Cadmium	111-1	592	584	714	630	11.59	cps
Calcium	43-1	477	380	320	392	20.15	cps
Calcium	44-1	46136	45293	44664	45364	1.63	cps
Chromium	52-2	1840	1817	1830	1829	0.64	cps
Cobalt	59-2	100	140	113	118	17.29	cps
Copper	63-2	1077	1053	1010	1047	3.23	cps
Dysprosium	156-1	8	8	42	19	99.00	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	25	17	8	17	50.01	cps
Erbium	164-2	0	3	3	2	86.60	cps
Gadolinium	160-1	42	25	17	28	45.82	cps
Gadolinium	160-2	0	13	7	7	99.98	cps
Holmium	165-1	3030497	2971371	3030790	3010886	1.14	cps
Holmium	165-2	1129359	1139679	1120883	1129974	0.83	cps
Indium	115-1	2943538	2887956	2958549	2930014	1.27	cps
Indium	115-2	226944	230515	229853	229104	0.83	cps
Iron	56-2	4518	4451	4468	4479	0.77	cps
Iron	57-2	133	161	144	146	9.56	cps
Krypton	83-1	977	993	1033	1001	2.91	cps
Lead	207-1	1000	833	933	922	9.10	cps
Lead	208-1	4328	4106	4262	4232	2.69	cps
Lead	206-1	1022	1033	1006	1020	1.37	cps
Lithium	6-1	520679	521830	519033	520514	0.27	cps
Magnesium	24-2	500	458	550	503	9.13	cps

LB Number : LB101127 Operator : Jaswal
 Lab Sample ID : CCB22 Instrumnet Name : P8
 Client Sample ID : CCB22 Dilution Factor : 1
 Date & Time Acquired :: 2019-03-01 18:16:11 DataFile Name : 031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	77	103	73	84	19.48	cps
Molybdenum	94-1	433	367	342	381	12.45	cps
Molybdenum	95-1	283	292	258	278	6.25	cps
Molybdenum	96-1	383	383	392	386	1.25	cps
Molybdenum	97-1	408	300	342	350	15.61	cps
Molybdenum	98-1	425	408	342	392	11.26	cps
Neodymium	150-1	13	7	0	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	120	127	110	119	7.06	cps
Phosphorus	31-2	8	25	8	14	69.31	cps
Potassium	39-2	6902	6827	6927	6885	0.76	cps
Rhodium	103-1	2969506	2920599	2961586	2950564	0.89	cps
Rhodium	103-2	1139268	1159449	1157815	1152177	0.97	cps
Scandium	45-1	2430966	2364551	2455595	2417037	1.95	cps
Scandium	45-2	31375	31495	31649	31507	0.44	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	9	0	4	132.32	cps
Selenium	82-1	-52	-42	-158	-84	-76.90	cps
Silicon	28-1	387809	385758	387951	387172	0.32	cps
Silver	109-1	483	517	542	514	5.70	cps
Silver	107-1	692	583	425	567	23.67	cps
Sodium	23-2	16543	15793	16185	16174	2.32	cps
Strontium	86-1	1375	1367	1350	1364	0.93	cps
Strontium	88-1	267	200	192	219	18.73	cps
Sulfur	34-1	538240	539244	540818	539434	0.24	cps
Terbium	159-1	3222397	3141855	3199943	3188065	1.30	cps
Terbium	159-2	1105326	1109484	1116402	1110404	0.50	cps
Thallium	203-1	167	108	183	153	25.78	cps
Thallium	205-1	508	425	317	417	23.07	cps
Tin	118-1	467	417	608	497	19.99	cps
Titanium	47-1	175	150	183	169	10.24	cps
Uranium	238-1	33	100	92	75	48.44	cps
Vanadium	51-2	17	7	17	13	43.29	cps
Yttrium	89-1	3523392	3456803	3478005	3486067	0.98	cps
Yttrium	89-2	184564	184405	185055	184675	0.18	cps
Zinc	66-2	123	110	107	113	7.78	cps

LB Number :	LB101127	Operator :	Jaswal
Lab Sample ID :	CCB22	Instrumnet Name :	P8
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2019-03-01 18:16:11	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	417	450	450	439	4.39	cps
Zirconium	91-1	183	142	100	142	29.41	cps