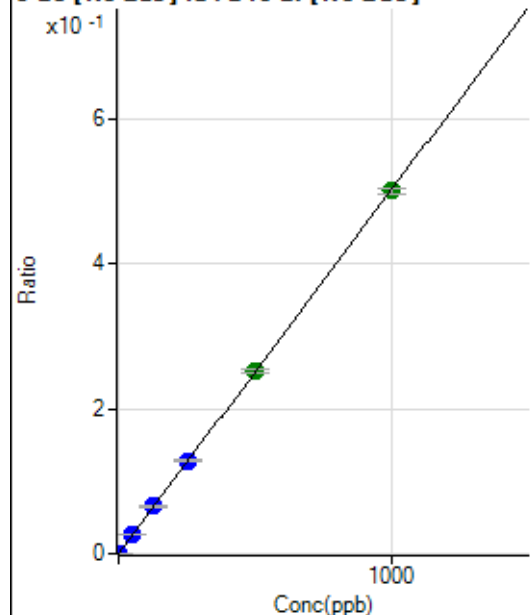


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8070721 MS.b\
Analysis File: P8070721 MS.batch.bin
DA Date-Time: 2021-07-07 18:20:16
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2021-07-07 11:04:08
2	004CALS.d	S01	2021-07-07 11:07:14
3	005CALS.d	S02	2021-07-07 11:10:18
4	006CALS.d	S03	2021-07-07 11:13:23
5	007CALS.d	S04	2021-07-07 11:16:27
6	008CALS.d	S05	2021-07-07 11:19:32
7	009CALS.d	S06	2021-07-07 11:22:35
8	010CALS.d	S07	2021-07-07 11:25:41
9	011CALS.d	S08	2021-07-07 11:28:44

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	29.99	0.0000	P	40.4
2	☐	0.100	0.107	339.27	0.0001	P	5.1
3	☐	1.000	1.084	3171.72	0.0005	P	2.1
4	☐	50.000	51.855	149084.85	0.0261	P	1.3
5	☐	125.000	130.491	375623.21	0.0656	P	1.6
6	☐	250.000	255.940	736369.06	0.1286	P	1.5
7	☐	500.000	501.805	1401665.30	0.2521	A	2.5
8	☐	1000.000	996.833	2708244.62	0.5009	A	1.9
9	☐			369.93	0.0001	P	12.3

$$y = 5.0246\text{E-}004 * x + 5.2745\text{E-}006$$

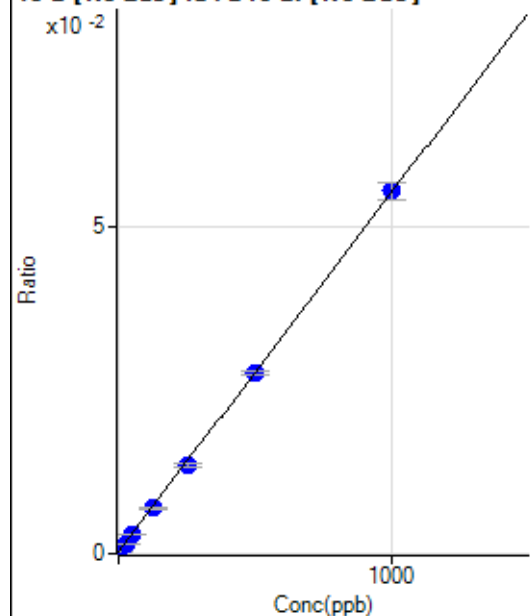
$$R = 1.0000$$

$$DL = 0.01272$$

$$BEC = 0.0105$$

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	1812.43	0.0003	P	4.0
2	☐	2.500	2.020	2470.39	0.0004	P	3.0
3	☐	25.000	21.721	8714.90	0.0015	P	5.8
4	☐	50.000	47.056	16596.78	0.0029	P	5.9
5	☐	125.000	120.077	39565.36	0.0069	P	6.8
6	☐	250.000	241.207	77598.18	0.0136	P	5.4
7	☐	500.000	496.765	153404.20	0.0276	P	2.8
8	☐	1000.000	1004.661	299710.58	0.0554	P	4.9
9	☐			26550.83	0.0049	P	11.0

$$y = 5.4868\text{E-}005 * x + 3.1919\text{E-}004$$

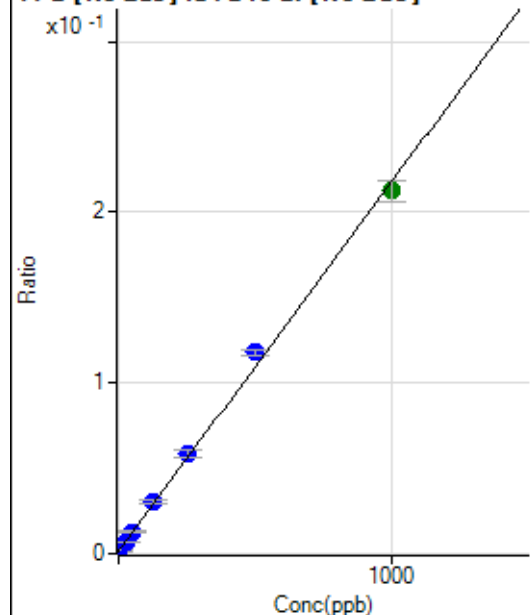
$$R = 1.0000$$

$$DL = 0.6973$$

$$BEC = 5.817$$

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	7970.61	0.0014	P	2.0
2	☐	2.500	2.252	10859.88	0.0019	P	1.3
3	☐	25.000	24.675	38860.86	0.0067	P	5.0
4	☐	50.000	52.268	72670.58	0.0127	P	6.2
5	☐	125.000	133.562	173430.20	0.0303	P	6.7
6	☐	250.000	264.573	335502.68	0.0586	P	6.8
7	☐	500.000	538.348	655262.16	0.1178	P	2.2
8	☐	1000.000	976.008	1148139.98	0.2124	A	5.9
9	☐			114850.52	0.0212	P	11.6

$$y = 2.1620E-004 * x + 0.0014$$

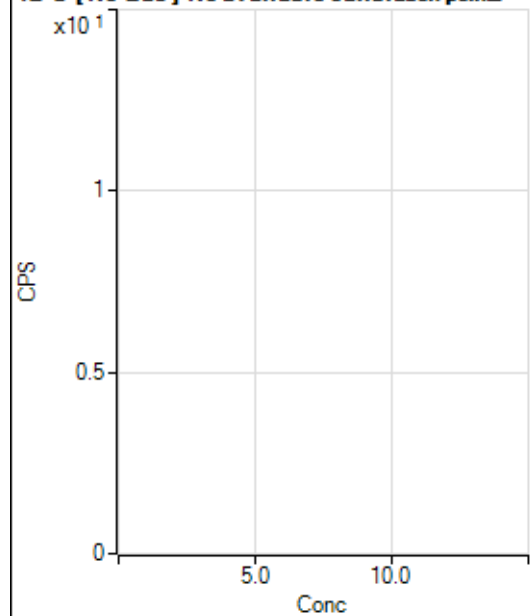
$$R = 0.9988$$

$$DL = 0.3865$$

$$BEC = 6.491$$

Weight: <None>

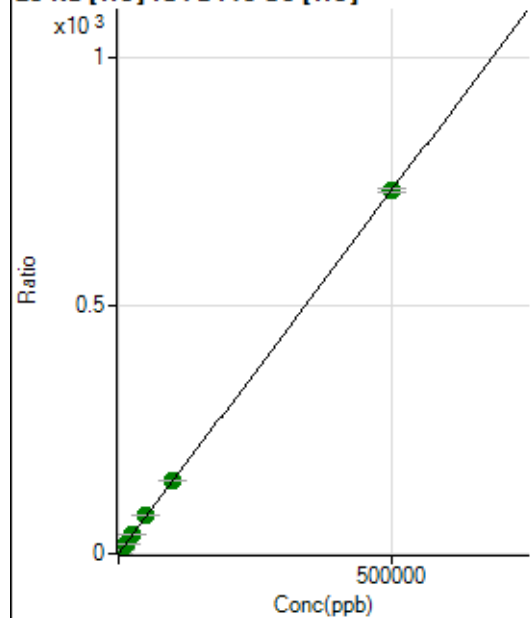
Min Conc: 0

12 C [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			5043038.57		A	1.6
2	☐			5223619.56		A	1.8
3	☐			5314259.75		A	1.7
4	☐			5267604.28		A	0.6
5	☐			5705377.65		A	1.6
6	☐			6226757.82		A	3.9
7	☐			7170681.15		A	5.0
8	☐			6903033.40		A	3.0
9	☐			6106221.32		A	2.4

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			54200.43		P	2.4
2	☐			58026.48		P	1.2
3	☐			58812.87		P	1.2
4	☐			57231.47		P	1.4
5	☐			63900.37		P	1.3
6	☐			73216.38		P	0.7
7	☐			90947.97		P	2.6
8	☐			82936.79		P	0.2
9	☐			77892.35		P	0.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	91145.58	0.4030	P	0.7
2	☐	50.000	51.096	108006.61	0.4776	P	0.6
3	☐	500.000	516.458	263013.55	1.1574	P	0.9
4	☐	5000.000	5132.140	1784959.00	7.9001	A	1.1
5	☐	12500.000	13150.135	4267569.11	19.6129	A	8.3
6	☐	25000.000	25630.759	8179150.45	37.8449	A	1.6
7	☐	50000.000	51885.839	15905197.06	76.1988	A	1.1
8	☐	100000.00	100675.88	30795365.62	147.4722	A	0.9
9	☐	500000.00	499627.11	154879715.9	730.2675	A	1.2

$$y = 0.0015 * x + 0.4030$$

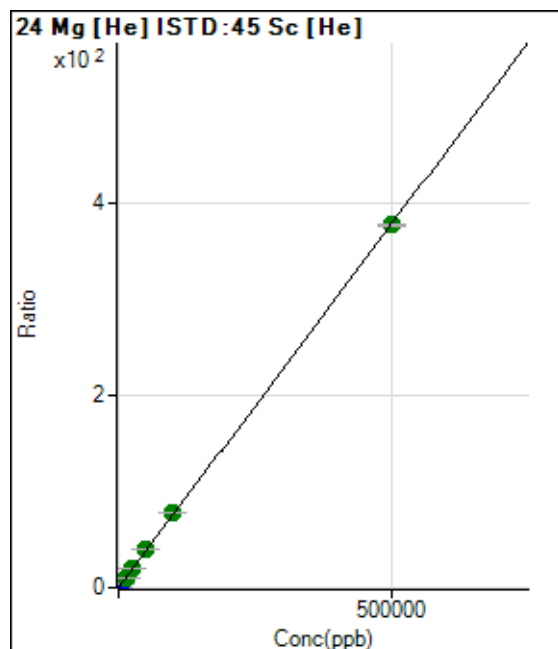
$$R = 1.0000$$

$$DL = 5.625$$

$$BEC = 275.9$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	169.45	0.0007	P	41.3
2	☐	50.000	52.145	9066.94	0.0401	P	0.2
3	☐	500.000	531.399	91279.97	0.4017	P	1.6
4	☐	5000.000	5350.290	912316.45	4.0378	P	1.5
5	☐	12500.000	13817.471	2269665.02	10.4268	A	7.4
6	☐	25000.000	26291.581	4287721.88	19.8391	A	1.5
7	☐	50000.000	53403.372	8410214.08	40.2964	A	2.3
8	☐	100000.00	103226.08	16265475.19	77.8902	A	0.8
9	☐	500000.00	498913.39	79844555.95	376.4570	A	0.5

$$y = 7.5455E-004 * x + 7.4848E-004$$

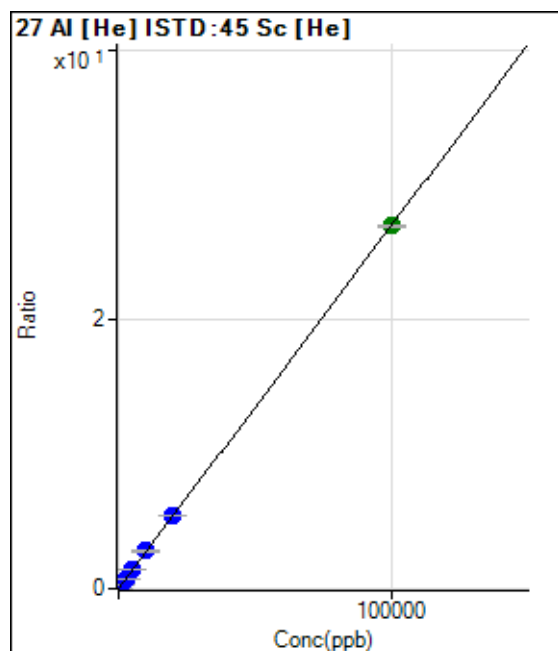
$$R = 1.0000$$

$$DL = 1.229$$

$$BEC = 0.992$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	135.81	0.0006	P	0.4
2	☐	2.000	1.943	254.55	0.0011	P	3.9
3	☐	20.000	21.600	1463.23	0.0064	P	1.6
4	☐	1000.000	1014.409	62080.07	0.2748	P	1.6
5	☐	2500.000	2667.377	157080.96	0.7215	P	7.0
6	☐	5000.000	5180.933	302769.04	1.4008	P	0.8
7	☐	10000.000	10339.408	583369.72	2.7950	P	1.7
8	☐	20000.000	20333.144	1147678.46	5.4959	P	0.4
9	☐	100000.00	99886.055	5725693.31	26.9962	A	0.6

$$y = 2.7026E-004 * x + 6.0045E-004$$

$$R = 1.0000$$

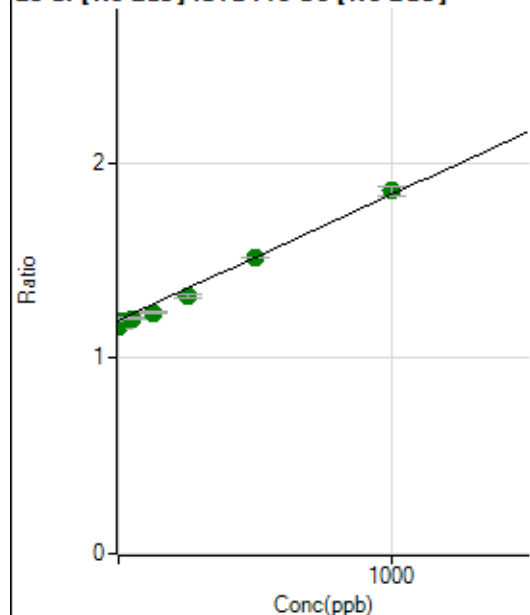
$$DL = 0.02468$$

$$BEC = 2.222$$

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	9014348.38	1.1952	A	0.7
2	☐	1.000	-60.601	8961242.82	1.1562	A	1.1
3	☐	10.000	-0.794	9111395.69	1.1947	A	1.3
4	☐	50.000	13.983	9277766.01	1.2042	A	1.4
5	☐	125.000	58.298	9456705.07	1.2327	A	1.1
6	☐	250.000	192.217	9929782.25	1.3189	A	0.8
7	☐	500.000	495.035	10891098.42	1.5138	A	0.4
8	☐	1000.000	1027.237	13073510.45	1.8562	A	2.6
9	☐			9095348.29	1.2543	A	0.7

$$y = 6.4348\text{E-}004 * x + 1.1952$$

$$R = 0.9973$$

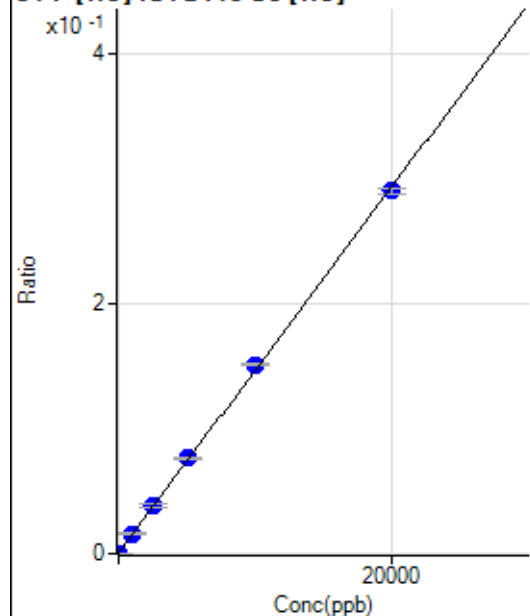
$$DL = 39.96$$

$$BEC = 1857$$

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	-3.857	94.45	0.0004	P	27.3
2	☐	0.000	-0.480	105.56	0.0005	P	26.0
3	☐	0.000	4.336	122.23	0.0005	P	10.4
4	☐	1000.000	1062.157	3617.22	0.0160	P	5.1
5	☐	2500.000	2573.731	8297.03	0.0381	P	9.6
6	☐	5000.000	5192.173	16520.88	0.0764	P	0.8
7	☐	10000.000	10280.744	31490.34	0.1509	P	1.2
8	☐	20000.000	19799.260	60576.82	0.2901	P	1.8
9	☐			119.45	0.0006	P	32.3

$$y = 1.4628\text{E-}005 * x + 4.7439\text{E-}004$$

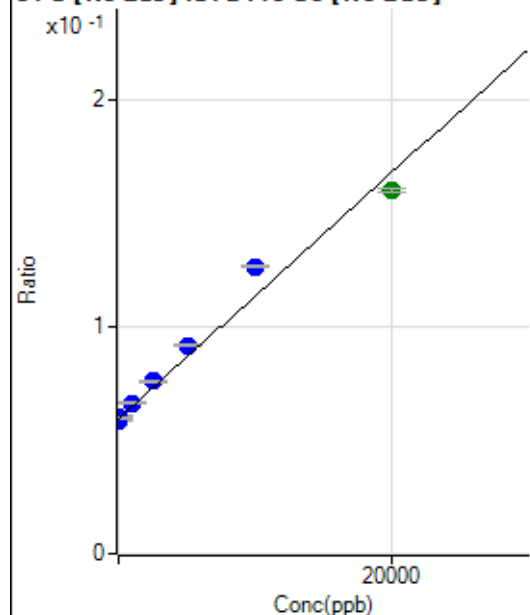
$$R = 0.9998$$

$$DL = 19.93$$

$$BEC = 32.43$$

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	197.325	455790.74	0.0604	P	0.7
2	☐	0.000	-184.207	452366.72	0.0584	P	1.4
3	☐	0.000	-13.118	452201.84	0.0593	P	1.4
4	☐	1000.000	1239.372	509098.60	0.0661	P	1.5
5	☐	2500.000	3044.096	581925.85	0.0759	P	1.0
6	☐	5000.000	5960.965	690092.49	0.0917	P	0.8
7	☐	10000.000	12364.911	909083.38	0.1264	P	0.5
8	☐	20000.000	18497.323	1124184.08	0.1596	A	1.1
9	☐			386313.98	0.0533	P	1.4

$$y = 5.4177\text{E-}006 * x + 0.0594$$

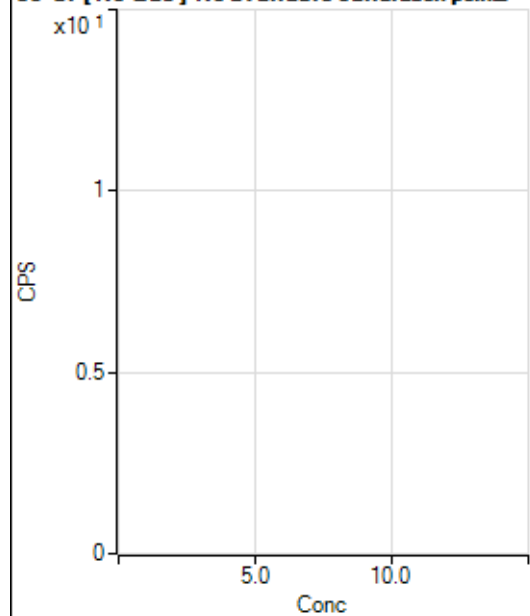
$$R = 0.9880$$

$$DL = 383.8$$

$$BEC = 1.096\text{E}+04$$

Weight: <None>

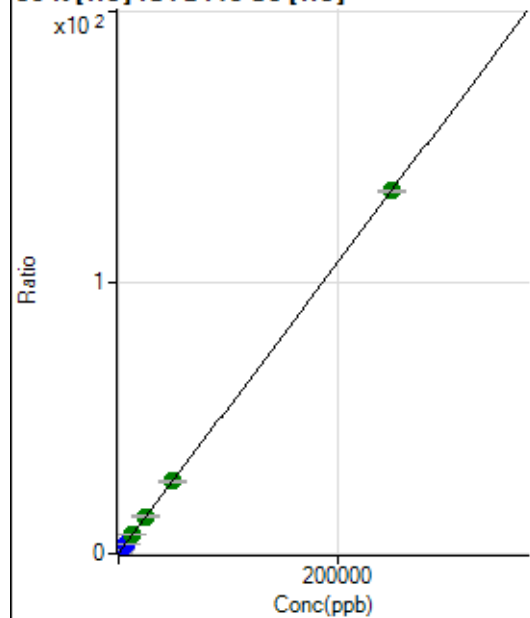
Min Conc: 0

35 Cl [No Gas] No available calibration points

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1018144.32		P	0.9
2	☐			1034268.96		P	0.5
3	☐			1034425.89		P	0.4
4	☐			1039931.08		P	0.3
5	☐			1019140.30		P	0.4
6	☐			1000367.39		P	1.2
7	☐			968653.52		P	0.4
8	☐			954394.75		P	0.2
9	☐			1018765.14		P	0.2

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			6954.64		P	0.2
2	☐			7268.66		P	3.2
3	☐			7149.18		P	0.2
4	☐			7221.43		P	2.0
5	☐			7274.25		P	2.2
6	☐			7043.54		P	1.6
7	☐			6312.66		P	4.1
8	☐			6587.80		P	1.0
9	☐			7037.97		P	1.7

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	25578.80	0.1131	P	1.2
2	☐	50.000	57.458	32531.77	0.1438	P	2.4
3	☐	500.000	531.634	90382.64	0.3977	P	0.7
4	☐	2500.000	2602.121	340288.11	1.5061	P	1.9
5	☐	6250.000	6759.236	812020.26	3.7316	P	8.0
6	☐	12500.000	12850.463	1511300.80	6.9925	A	1.3
7	☐	25000.000	25599.864	2883996.72	13.8178	A	1.9
8	☐	50000.000	49723.282	5582149.26	26.7320	A	0.9
9	☐	250000.00	249964.01	28405367.65	133.9292	A	0.6

$$y = 5.3534\text{E-}004 * x + 0.1131$$

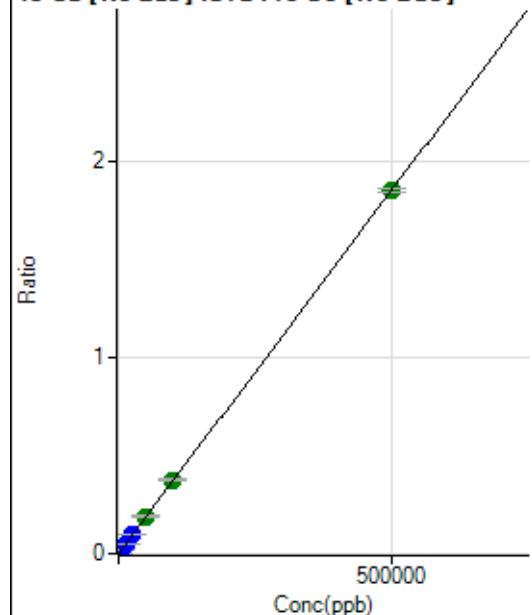
$$R = 1.0000$$

$$DL = 7.485$$

$$BEC = 211.2$$

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	292.49	0.0000	P	7.2
2	☐	50.000	65.437	2175.30	0.0003	P	2.9
3	☐	500.000	525.334	15105.23	0.0020	P	1.8
4	☐	5000.000	4981.856	142153.11	0.0185	P	2.4
5	☐	12500.000	12714.288	360820.57	0.0470	P	1.6
6	☐	25000.000	25194.969	701445.66	0.0932	P	0.3
7	☐	50000.000	51372.840	1366480.22	0.1899	A	1.0
8	☐	100000.00	101700.34	2648152.55	0.3760	A	2.1
9	☐	500000.00	499507.69	13387546.20	1.8464	A	1.2

$$y = 3.6963\text{E-}006 * x + 3.8797\text{E-}005$$

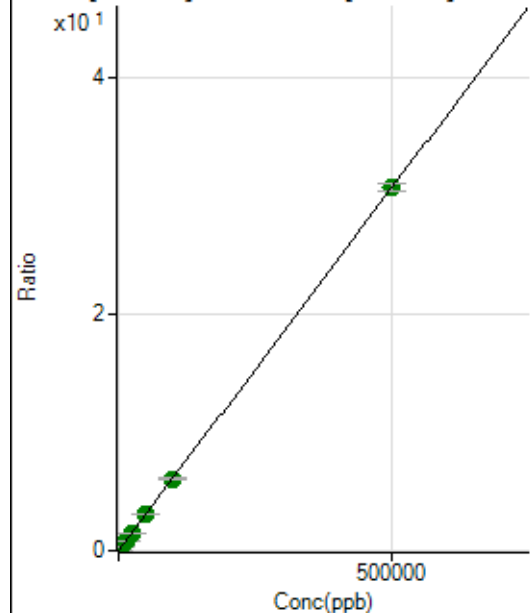
$$R = 1.0000$$

$$DL = 2.258$$

$$BEC = 10.5$$

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	31781.52	0.0042	P	1.0
2	☐	50.000	62.135	62133.08	0.0080	P	0.8
3	☐	500.000	516.874	273379.11	0.0358	P	1.2
4	☐	5000.000	4949.544	2366340.58	0.3071	A	1.1
5	☐	12500.000	12421.027	5863545.20	0.7643	A	1.6
6	☐	25000.000	24676.868	11401397.95	1.5144	A	0.5
7	☐	50000.000	49376.791	21770085.71	3.0259	A	1.1
8	☐	100000.00	98204.339	42358185.63	6.0140	A	2.8
9	☐	500000.00	500440.07	222066076.8	30.6296	A	2.0

$$y = 6.1197\text{E-}005 * x + 0.0042$$

$$R = 1.0000$$

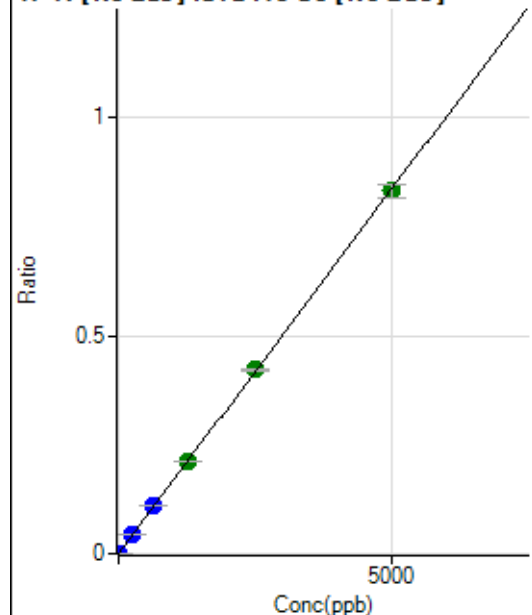
$$DL = 1.964$$

$$BEC = 68.86$$

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	205.56	0.0000	P	13.7
2	☐	0.500	0.540	911.17	0.0001	P	5.1
3	☐	5.000	5.468	7179.76	0.0009	P	4.4
4	☐	250.000	257.287	331726.16	0.0431	P	1.5
5	☐	625.000	650.596	834953.27	0.1088	P	0.1
6	☐	1250.000	1269.908	1599204.33	0.2124	A	1.0
7	☐	2500.000	2526.390	3040073.27	0.4225	A	0.9
8	☐	5000.000	4978.264	5863324.22	0.8326	A	3.7
9	☐			1430.67	0.0002	P	5.8

$$y = 1.6724\text{E-}004 * x + 2.7239\text{E-}005$$

$$R = 1.0000$$

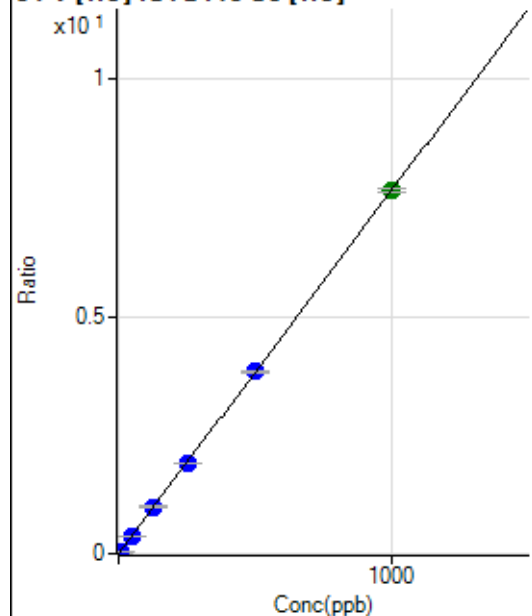
$$DL = 0.06671$$

$$BEC = 0.1629$$

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	11.11	0.0000	P	35.2
2	☐	0.500	0.487	854.48	0.0038	P	6.7
3	☐	5.000	5.233	9112.98	0.0401	P	2.0
4	☐	50.000	49.584	85759.29	0.3796	P	0.9
5	☐	125.000	128.801	214671.46	0.9859	P	6.7
6	☐	250.000	250.247	413997.10	1.9154	P	0.6
7	☐	500.000	500.941	800281.22	3.8342	P	1.5
8	☐	1000.000	999.013	1596736.05	7.6463	A	1.0
9	☐			388.90	0.0018	P	5.1

$$y = 0.0077 * x + 4.9211\text{E-}005$$

$$R = 1.0000$$

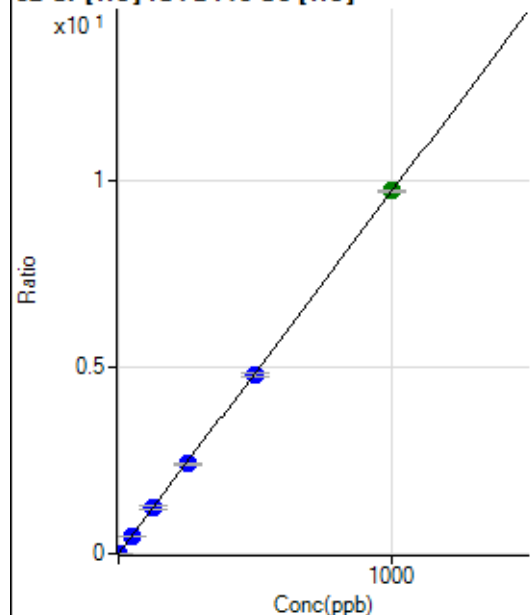
$$DL = 0.006785$$

$$BEC = 0.00643$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	794.47	0.0035	P	5.1
2	☒	0.200					
3	☐	2.000	2.038	5282.14	0.0232	P	2.3
4	☐	50.000	49.151	108309.41	0.4794	P	1.9
5	☐	125.000	127.601	269680.48	1.2389	P	7.4
6	☐	250.000	247.872	519467.95	2.4034	P	0.9
7	☐	500.000	495.132	1001287.87	4.7973	P	1.9
8	☐	1000.000	1002.683	2028029.81	9.7114	A	0.3
9	☐			7834.43	0.0369	P	1.3

$$y = 0.0097 * x + 0.0035$$

$$R = 1.0000$$

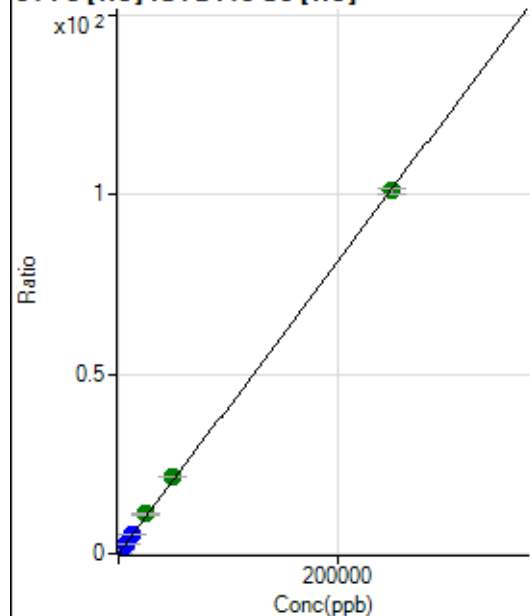
$$DL = 0.05532$$

$$BEC = 0.3627$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	394.46	0.0017	P	11.5
2	☐	5.000	8.772	1198.22	0.0053	P	4.6
3	☐	50.000	58.773	5806.83	0.0255	P	2.0
4	☐	2500.000	2667.561	244493.25	1.0821	P	1.4
5	☐	6250.000	6924.710	611026.68	2.8063	P	6.8
6	☐	12500.000	13419.974	1175079.48	5.4370	P	1.6
7	☐	25000.000	27353.472	2312647.22	11.0802	A	2.1
8	☐	50000.000	52727.801	4460026.37	21.3570	A	0.4
9	☐	250000.00	249154.54	21401432.42	100.9118	A	1.7

$$y = 4.0501E-004 * x + 0.0017$$

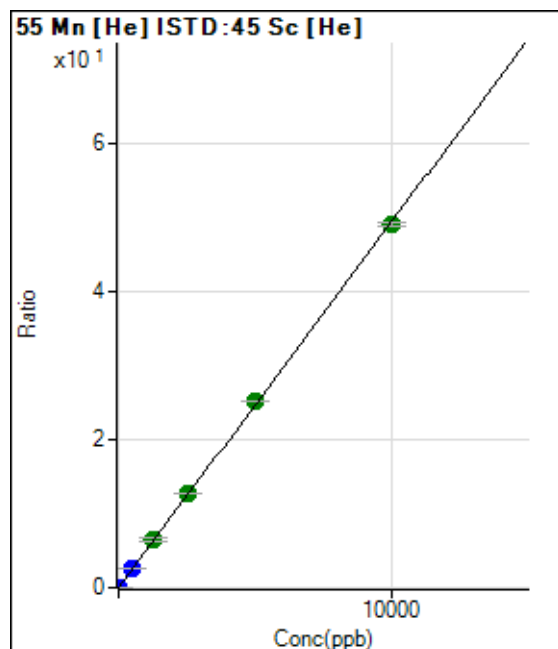
$$R = 0.9999$$

$$DL = 1.485$$

$$BEC = 4.309$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	42.22	0.0002	P	20.8
2	☒	0.100					
3	☐	1.000	1.110	1291.18	0.0057	P	3.6
4	☐	500.000	505.326	564960.02	2.5004	P	1.6
5	☐	1250.000	1335.942	1438501.59	6.6100	A	7.9
6	☐	2500.000	2573.965	2752407.15	12.7354	A	1.7
7	☐	5000.000	5102.249	5269533.91	25.2447	A	0.8
8	☐	10000.000	9919.375	10249097.42	49.0784	A	1.1
9	☐			7562.06	0.0357	P	1.9

$$y = 0.0049 * x + 1.8692E-004$$

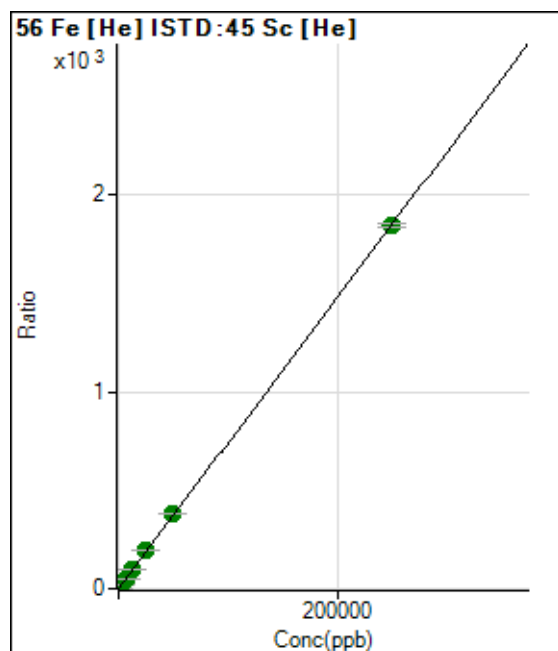
$$R = 0.9999$$

$$DL = 0.02361$$

$$BEC = 0.03778$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	2652.15	0.0117	P	6.1
2	☐	5.000	8.036	16066.64	0.0710	P	2.5
3	☐	50.000	55.392	95573.35	0.4206	P	0.7
4	☐	2500.000	2661.468	4441155.51	19.6560	A	1.3
5	☐	6250.000	6889.502	11072585.32	50.8632	A	7.2
6	☐	12500.000	13179.448	21028997.46	97.2893	A	1.4
7	☐	25000.000	26538.510	40888761.56	195.8926	A	1.3
8	☐	50000.000	51365.523	79174818.44	379.1408	A	0.6
9	☐	250000.00	249521.46	390610056.8	1,841.730	A	1.1

$$y = 0.0074 * x + 0.0117$$

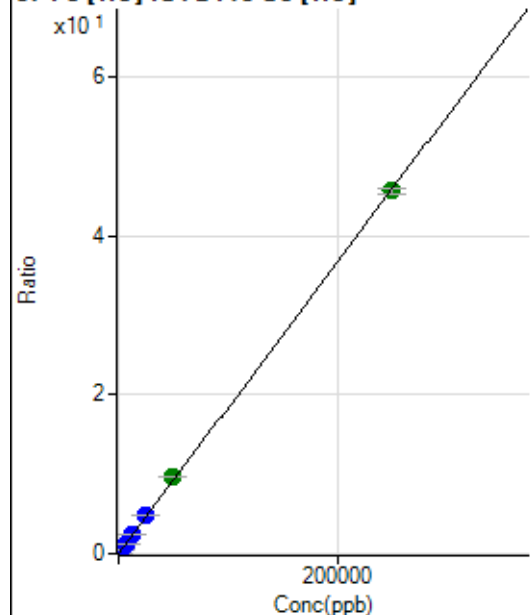
$$R = 1.0000$$

$$DL = 0.2923$$

$$BEC = 1.589$$

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	74.07	0.0003	P	19.9
2	☒	5.000					
3	☐	50.000	56.158	2413.21	0.0106	P	6.4
4	☐	2500.000	2625.487	108795.18	0.4815	P	1.6
5	☐	6250.000	6841.132	273056.20	1.2542	P	7.1
6	☐	12500.000	13269.699	525706.59	2.4324	P	1.5
7	☐	25000.000	26403.183	1010096.85	4.8396	P	2.0
8	☐	50000.000	52605.778	2013449.65	9.6420	A	0.8
9	☐	250000.00	249284.00	9689918.62	45.6897	A	1.6

$$y = 1.8328\text{E-}004 * x + 3.2795\text{E-}004$$

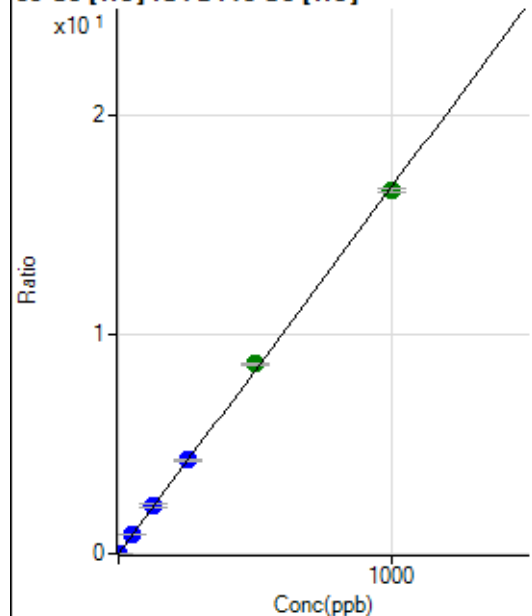
$$R = 0.9999$$

$$DL = 1.07$$

$$BEC = 1.789$$

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	40.00	0.0002	P	22.5
2	☐	0.100	0.109	452.24	0.0020	P	7.8
3	☐	1.000	1.095	4201.77	0.0185	P	3.0
4	☐	50.000	51.266	193698.21	0.8573	P	1.3
5	☐	125.000	131.660	479134.62	2.2014	P	7.6
6	☐	250.000	254.848	920903.96	4.2611	P	1.6
7	☐	500.000	516.753	1803449.42	8.6399	A	1.6
8	☐	1000.000	989.516	3454727.66	16.5442	A	0.9
9	☐			4804.19	0.0227	P	2.0

$$y = 0.0167 * x + 1.7697\text{E-}004$$

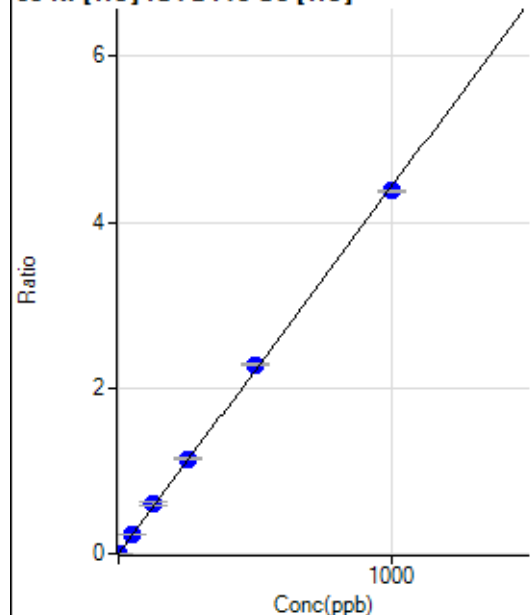
$$R = 0.9998$$

$$DL = 0.007142$$

$$BEC = 0.01058$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	47.78	0.0002	P	27.6
2	☒	0.100					
3	☐	1.000	1.171	1225.62	0.0054	P	10.9
4	☐	50.000	51.960	52023.62	0.2303	P	1.7
5	☐	125.000	135.403	130525.49	0.5997	P	7.6
6	☐	250.000	259.248	248125.40	1.1480	P	1.0
7	☐	500.000	515.303	476237.13	2.2817	P	1.6
8	☐	1000.000	988.638	914075.18	4.3773	P	0.8
9	☐			2834.76	0.0134	P	2.6

$$y = 0.0044 * x + 2.1093E-004$$

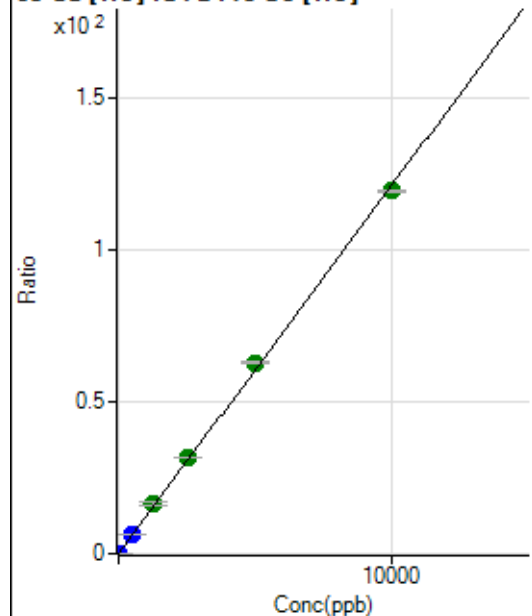
$$R = 0.9997$$

$$DL = 0.03945$$

$$BEC = 0.04764$$

Weight: <None>

Min Conc: 0

63 Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1428.98	0.0063	P	6.1
2	☒	0.200					
3	☐	2.000	2.016	6982.89	0.0307	P	0.7
4	☐	500.000	522.325	1430526.65	6.3314	P	1.2
5	☐	1250.000	1366.757	3603201.23	16.5572	A	7.9
6	☐	2500.000	2609.739	6832387.68	31.6092	A	0.8
7	☐	5000.000	5192.757	13126381.47	62.8884	A	1.5
8	☐	10000.000	9860.476	24936117.13	119.4126	A	0.5
9	☐			11948.46	0.0563	P	2.1

$$y = 0.0121 * x + 0.0063$$

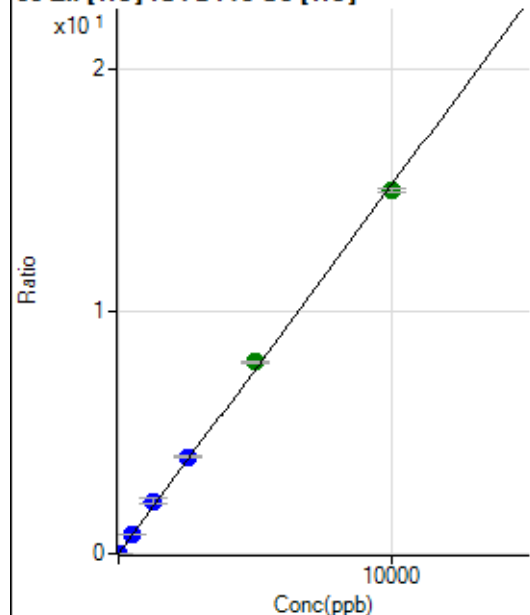
$$R = 0.9996$$

$$DL = 0.09476$$

$$BEC = 0.5215$$

Weight: <None>

Min Conc: 0

66 Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	305.56	0.0014	P	13.7
2	☒	0.200					
3	☐	2.000	2.426	1147.84	0.0050	P	11.2
4	☐	500.000	517.586	178435.21	0.7897	P	1.3
5	☐	1250.000	1433.912	475730.67	2.1855	P	7.4
6	☐	2500.000	2611.790	860089.58	3.9797	P	1.8
7	☐	5000.000	5205.464	1655512.13	7.9304	A	0.7
8	☐	10000.000	9845.452	3131978.98	14.9981	A	1.2
9	☐			81969.67	0.3865	P	1.1

$$y = 0.0015 * x + 0.0014$$

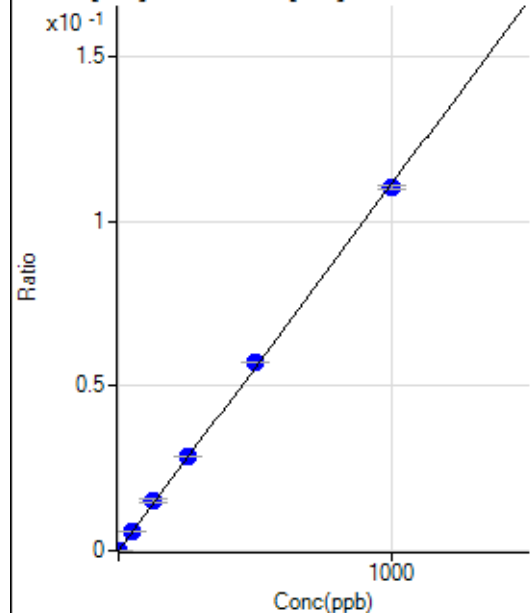
$$R = 0.9995$$

$$DL = 0.3636$$

$$BEC = 0.8877$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	De _t	RSD
1	☐	0.000	0.000	3.67	0.0000	P	87.5
2	☐	0.100	0.122	28.33	0.0000	P	8.8
3	☐	1.000	1.117	228.03	0.0001	P	5.3
4	☐	50.000	52.586	10468.26	0.0059	P	0.1
5	☐	125.000	135.953	26193.45	0.0151	P	7.9
6	☐	250.000	257.025	50148.00	0.0286	P	1.1
7	☐	500.000	513.857	96355.84	0.0572	P	0.3
8	☐	1000.000	989.816	186683.85	0.1103	P	1.2
9	☐			65.01	0.0000	P	14.5

$$y = 1.1139E-004 * x + 2.0360E-006$$

$$R = 0.9998$$

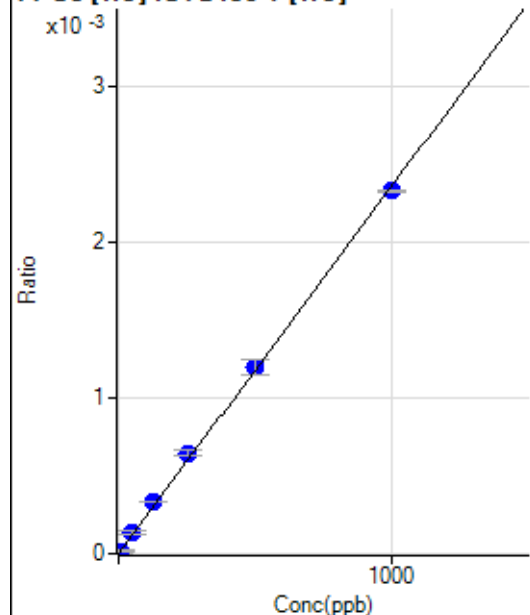
$$DL = 0.04799$$

$$BEC = 0.01828$$

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	0.00	0.0000	P	
2	☐	0.500	0.781	3.33	0.0000	P	100.6
3	☐	5.000	6.818	28.89	0.0000	P	38.3
4	☐	50.000	58.874	247.78	0.0001	P	14.4
5	☐	125.000	140.308	574.46	0.0003	P	1.9
6	☐	250.000	274.012	1132.28	0.0006	P	4.9
7	☐	500.000	506.785	2012.39	0.0012	P	7.8
8	☐	1000.000	988.238	3947.26	0.0023	P	0.5
9	☐			3.33	0.0000	P	100.1

$$y = 2.3589\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9996$$

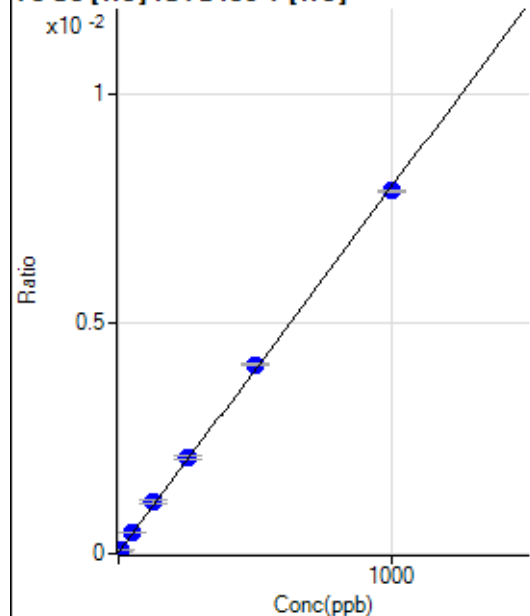
$$DL = 0$$

$$BEC = 0$$

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	49.67	0.0000	P	6.8
2	☐	0.500	0.442	56.34	0.0000	P	2.8
3	☐	5.000	6.478	142.35	0.0001	P	0.5
4	☐	50.000	53.111	802.44	0.0004	P	3.3
5	☐	125.000	136.916	1928.00	0.0011	P	8.1
6	☐	250.000	260.847	3676.52	0.0021	P	3.1
7	☐	500.000	513.293	6909.39	0.0041	P	0.9
8	☐	1000.000	988.989	13347.65	0.0079	P	0.3
9	☐			46.67	0.0000	P	9.8

$$y = 7.9426\text{E-}006 * x + 2.7474\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.7085$$

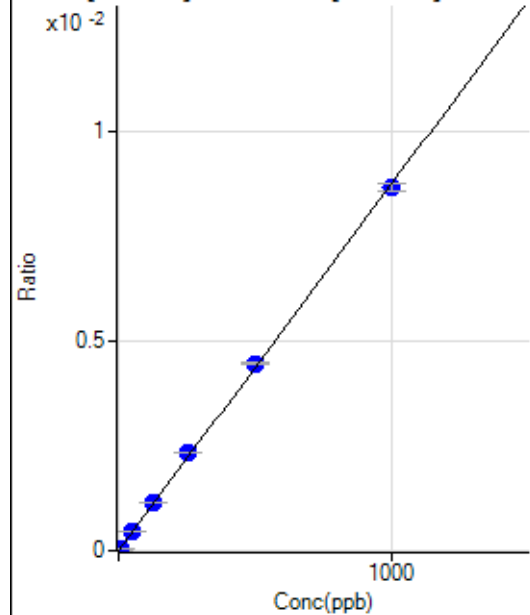
$$BEC = 3.459$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			27174.18		P	1.2
2	☐			26997.06		P	2.0
3	☐			26840.15		P	4.0
4	☐			26903.35		P	3.6
5	☐			25810.25		P	1.3
6	☐			24693.87		P	1.6
7	☐			23961.79		P	1.5
8	☐			23664.40		P	2.7
9	☐			25071.78		P	1.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	-2.90	0.0000	P	-2208.
2	☒	0.500					
3	☐	5.000	5.210	764.96	0.0000	P	3.7
4	☐	50.000	52.070	7679.55	0.0005	P	1.2
5	☐	125.000	132.110	19407.84	0.0012	P	1.5
6	☐	250.000	266.444	37647.08	0.0023	P	0.6
7	☐	500.000	510.815	71301.65	0.0045	P	1.8
8	☐	1000.000	989.488	135745.20	0.0087	P	2.0
9	☐			110.44	0.0000	P	41.2

$$y = 8.7615E-006 * x - 1.7019E-007$$

$$R = 0.9998$$

$$DL = 1.287$$

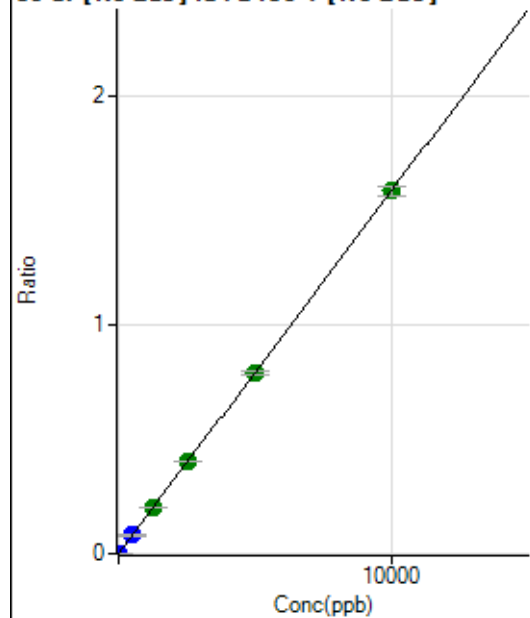
$$BEC = -0.01943$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			986.71		P	7.3
2	☐			1026.72		P	12.8
3	☐			1073.39		P	2.3
4	☐			1044.50		P	5.8
5	☐			1018.94		P	8.1
6	☐			978.93		P	6.1
7	☐			1017.82		P	6.1
8	☐			964.49		P	1.7
9	☐			991.16		P	5.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	1608.47	0.0001	P	13.9
2	☐	0.100	0.138	2005.75	0.0001	P	4.1
3	☐	1.000	1.134	4642.56	0.0003	P	2.2
4	☐	500.000	503.151	1342921.22	0.0798	P	0.8
5	☐	1250.000	1276.227	3389660.62	0.2021	A	2.3
6	☐	2500.000	2536.301	6477284.52	0.4016	A	0.9
7	☐	5000.000	4978.222	12558108.53	0.7882	A	1.7
8	☐	10000.000	9998.378	24784565.13	1.5830	A	2.7
9	☐			9303.33	0.0006	P	4.4

$$y = 1.5831E-004 * x + 9.6566E-005$$

$$R = 1.0000$$

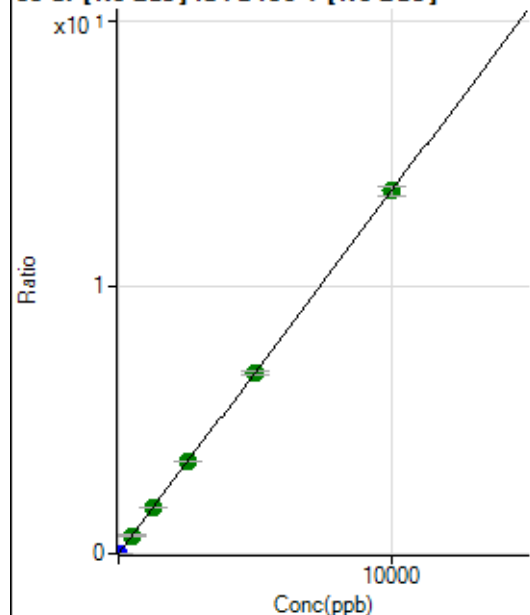
$$DL = 0.2536$$

$$BEC = 0.61$$

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	569.47	0.0000	P	11.1
2	☐	0.100	0.105	2997.63	0.0002	P	1.7
3	☐	1.000	1.040	24360.61	0.0014	P	2.5
4	☐	500.000	501.763	11496287.06	0.6828	A	1.0
5	☐	1250.000	1261.503	28790649.25	1.7166	A	1.0
6	☐	2500.000	2560.291	56189895.70	3.4840	A	0.3
7	☐	5000.000	4966.957	107680781.5	6.7589	A	2.2
8	☐	10000.000	9999.923	213060989.4	13.6076	A	2.4
9	☐			66907.94	0.0042	P	1.2

$$y = 0.0014 * x + 3.4184E-005$$

$$R = 1.0000$$

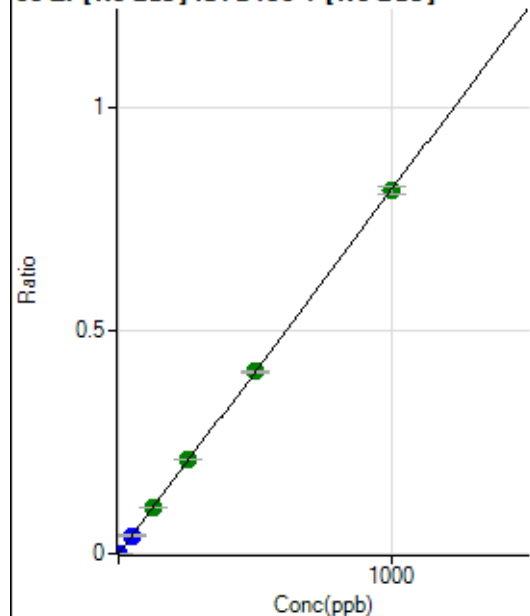
$$DL = 0.008376$$

$$BEC = 0.02512$$

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	1036.18	0.0001	P	11.1
2	☐	0.100	0.095	2361.38	0.0001	P	4.0
3	☐	1.000	1.023	15050.07	0.0009	P	2.5
4	☐	50.000	49.983	686365.43	0.0408	P	2.0
5	☐	125.000	127.699	1745369.81	0.1041	A	1.0
6	☐	250.000	259.396	3408296.65	0.2113	A	0.6
7	☐	500.000	500.302	6493671.97	0.4075	A	0.7
8	☐	1000.000	997.163	12717816.34	0.8122	A	2.1
9	☐			3206.01	0.0002	P	6.4

$$y = 8.1447E-004 * x + 6.2146E-005$$

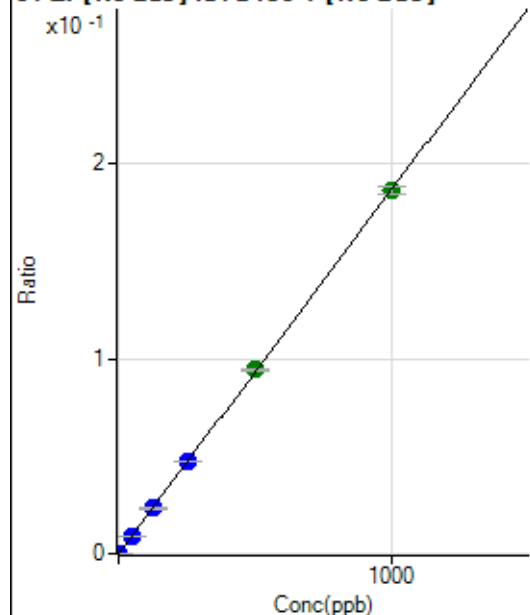
$$R = 1.0000$$

$$DL = 0.02539$$

$$BEC = 0.0763$$

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	175.00	0.0000	P	16.4
2	☐	0.100	0.101	497.24	0.0000	P	9.3
3	☐	1.000	0.970	3219.92	0.0002	P	7.8
4	☐	50.000	49.197	154568.17	0.0092	P	3.5
5	☐	125.000	124.711	390136.14	0.0233	P	2.2
6	☐	250.000	252.819	760432.23	0.0472	P	0.7
7	☐	500.000	504.710	1499577.19	0.0941	A	1.5
8	☐	1000.000	997.017	2911021.22	0.1859	A	2.1
9	☐			638.92	0.0000	P	8.9

$$y = 1.8646\text{E-}004 * x + 1.0500\text{E-}005$$

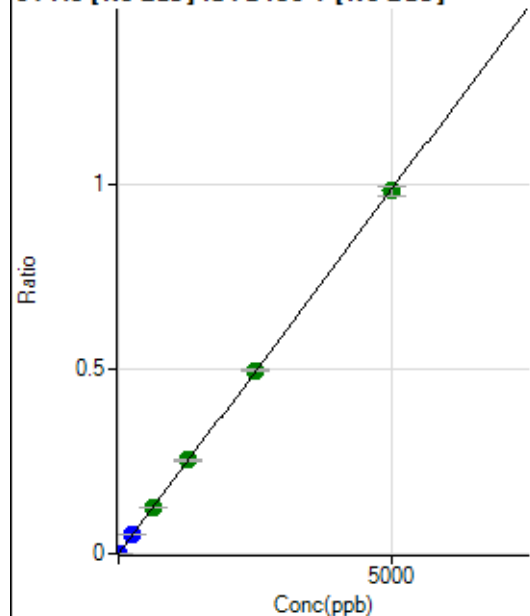
$$R = 1.0000$$

$$DL = 0.02771$$

$$BEC = 0.05631$$

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	308.35	0.0000	P	13.4
2	☐	0.500	0.501	1989.09	0.0001	P	6.8
3	☐	5.000	5.125	17339.01	0.0010	P	0.7
4	☐	250.000	253.891	844929.94	0.0502	P	1.8
5	☐	625.000	633.292	2098797.86	0.1252	A	1.6
6	☐	1250.000	1283.021	4088968.71	0.2535	A	0.9
7	☐	2500.000	2516.674	7923880.39	0.4973	A	1.0
8	☐	5000.000	4982.176	15414232.46	0.9845	A	2.5
9	☐			4348.03	0.0003	P	7.6

$$y = 1.9760\text{E-}004 * x + 1.8499\text{E-}005$$

$$R = 1.0000$$

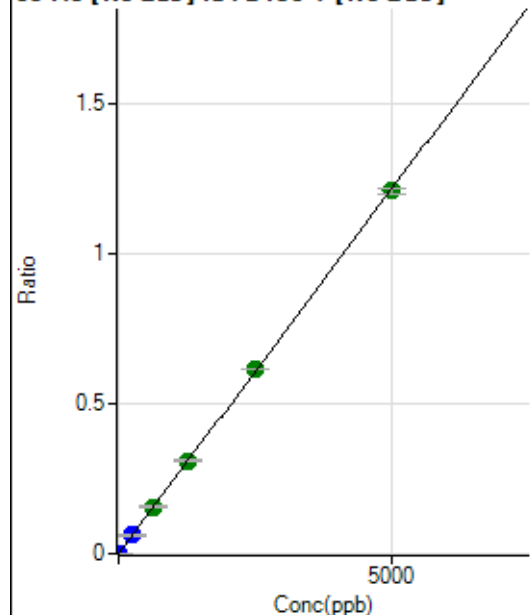
$$DL = 0.03758$$

$$BEC = 0.09362$$

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	22.22	0.0000	P	43.8
2	☐	0.500	0.501	2086.33	0.0001	P	5.7
3	☐	5.000	5.100	20871.70	0.0012	P	4.1
4	☐	250.000	251.692	1030647.50	0.0612	P	1.6
5	☐	625.000	638.774	2605251.14	0.1554	A	2.6
6	☐	1250.000	1279.198	5018071.90	0.3111	A	0.7
7	☐	2500.000	2527.533	9796299.96	0.6148	A	0.2
8	☐	5000.000	4977.128	18956859.45	1.2106	A	1.5
9	☐			4823.20	0.0003	P	3.9

$$y = 2.4323E-004 * x + 1.3353E-006$$

$$R = 1.0000$$

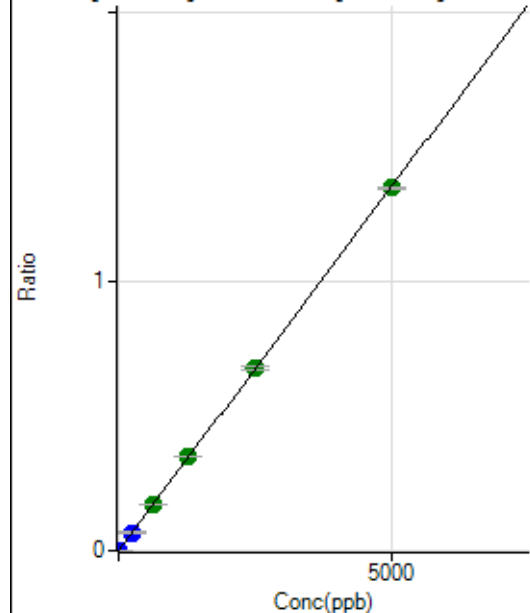
$$DL = 0.007213$$

$$BEC = 0.00549$$

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	150.01	0.0000	P	10.5
2	☐	0.500	0.490	2400.29	0.0001	P	4.9
3	☐	5.000	5.092	23336.80	0.0014	P	3.1
4	☐	250.000	250.633	1142959.39	0.0679	P	1.8
5	☐	625.000	635.725	2887321.74	0.1722	A	3.0
6	☐	1250.000	1287.985	5626405.77	0.3489	A	0.6
7	☐	2500.000	2510.820	10835682.27	0.6801	A	1.3
8	☐	5000.000	4983.721	21140066.62	1.3499	A	0.6
9	☐			13404.06	0.0008	P	3.6

$$y = 2.7085E-004 * x + 8.9971E-006$$

$$R = 1.0000$$

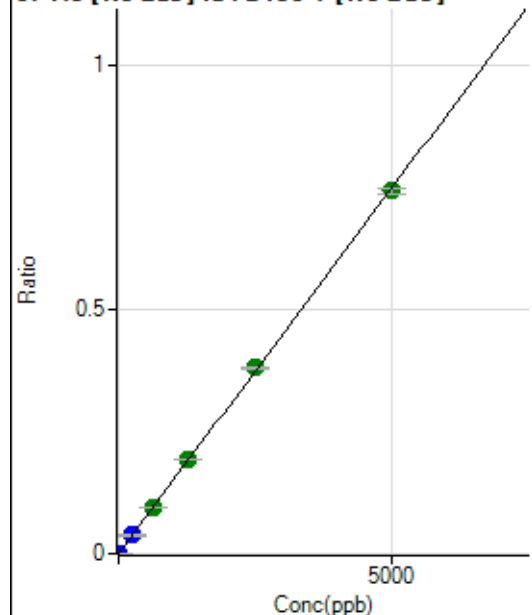
$$DL = 0.01047$$

$$BEC = 0.03322$$

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	13.89	0.0000	P	34.3
2	☐	0.500	0.513	1313.99	0.0001	P	3.3
3	☐	5.000	5.241	13214.99	0.0008	P	4.2
4	☐	250.000	251.196	633440.71	0.0376	P	3.1
5	☐	625.000	632.682	1589350.85	0.0948	A	3.0
6	☐	1250.000	1288.759	3113944.49	0.1931	A	0.5
7	☐	2500.000	2544.382	6073204.17	0.3812	A	1.8
8	☐	5000.000	4967.099	11652796.35	0.7441	A	1.4
9	☐			2772.57	0.0002	P	2.6

$$y = 1.4981\text{E-}004 * x + 8.3258\text{E-}007$$

$$R = 0.9999$$

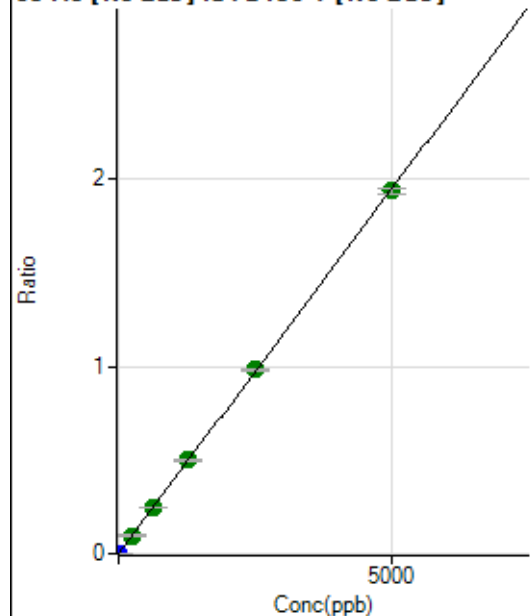
$$DL = 0.005725$$

$$BEC = 0.005557$$

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	55.56	0.0000	P	31.8
2	☐	0.500	0.521	3492.20	0.0002	P	2.3
3	☐	5.000	5.049	33109.61	0.0020	P	0.9
4	☐	250.000	250.604	1642205.61	0.0976	A	3.1
5	☐	625.000	631.998	4125925.61	0.2460	A	2.3
6	☐	1250.000	1282.622	8053369.97	0.4993	A	1.2
7	☐	2500.000	2526.811	15673439.24	0.9837	A	1.2
8	☐	5000.000	4977.534	30342755.19	1.9378	A	1.9
9	☐			6801.84	0.0004	P	7.2

$$y = 3.8931\text{E-}004 * x + 3.3374\text{E-}006$$

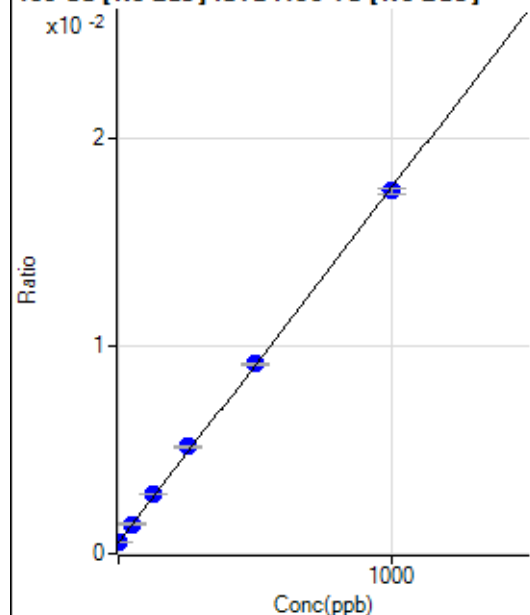
$$R = 1.0000$$

$$DL = 0.00817$$

$$BEC = 0.008573$$

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	6226.56	0.0005	P	1.6
2	☐	0.100	0.285	6301.62	0.0005	P	5.4
3	☐	1.000	1.772	6590.66	0.0006	P	0.2
4	☐	50.000	51.265	16385.10	0.0014	P	3.0
5	☐	125.000	135.291	33154.16	0.0029	P	0.5
6	☐	250.000	270.981	59241.52	0.0052	P	2.1
7	☐	500.000	503.944	106404.24	0.0092	P	1.1
8	☐	1000.000	991.432	202109.48	0.0175	P	1.8
9	☐			5306.71	0.0005	P	0.6

$$y = 1.7087\text{E-}005 * x + 5.4114\text{E-}004$$

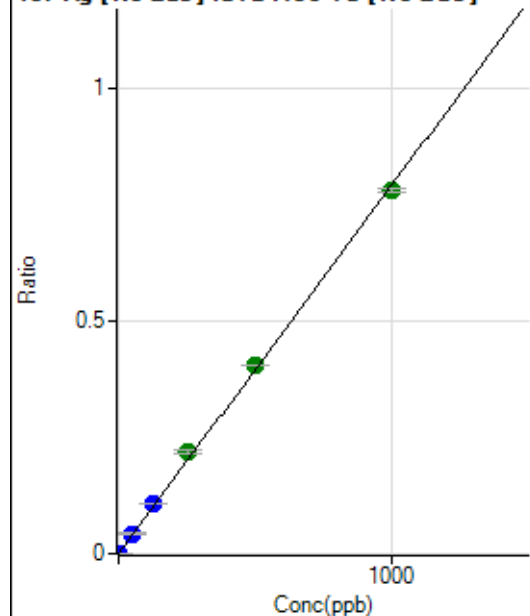
$$R = 0.9997$$

$$DL = 1.487$$

$$BEC = 31.67$$

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	116.67	0.0000	P	19.2
2	☐	0.100	0.089	930.61	0.0001	P	4.2
3	☐	1.000	1.066	9831.50	0.0009	P	4.7
4	☐	50.000	54.389	496979.43	0.0430	P	2.4
5	☐	125.000	135.445	1243702.16	0.1070	P	1.9
6	☐	250.000	276.357	2501060.71	0.2183	A	2.9
7	☐	500.000	512.574	4707615.38	0.4049	A	0.3
8	☐	1000.000	985.599	9002179.45	0.7786	A	1.1
9	☐			2644.77	0.0002	P	6.1

$$y = 7.9000\text{E-}004 * x + 1.0144\text{E-}005$$

$$R = 0.9995$$

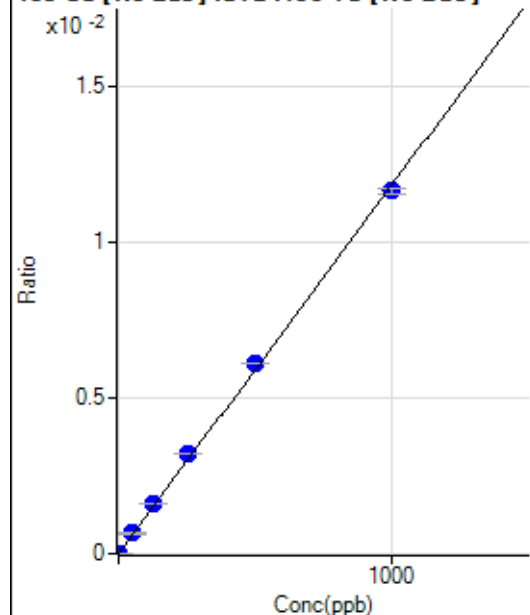
$$DL = 0.007412$$

$$BEC = 0.01284$$

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	31.95	0.0000	P	27.3
2	☐	0.100	0.102	45.83	0.0000	P	32.4
3	☐	1.000	1.020	170.84	0.0000	P	5.5
4	☐	50.000	54.849	7518.81	0.0007	P	1.4
5	☐	125.000	136.951	18815.72	0.0016	P	0.4
6	☐	250.000	270.631	36629.15	0.0032	P	0.7
7	☐	500.000	515.225	70724.77	0.0061	P	0.3
8	☐	1000.000	985.493	134498.38	0.0116	P	1.6
9	☐			198.61	0.0000	P	6.7

$$y = 1.1802\text{E-}005 * x + 2.7772\text{E-}006$$

$$R = 0.9996$$

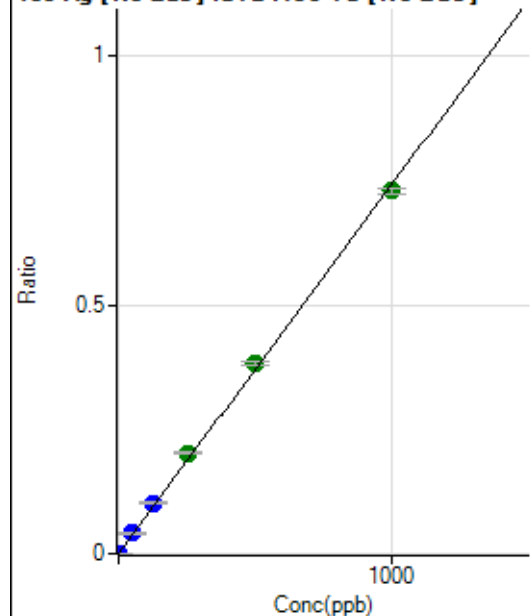
$$DL = 0.1926$$

$$BEC = 0.2353$$

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	36.11	0.0000	P	12.9
2	☐	0.100	0.097	863.94	0.0001	P	12.8
3	☐	1.000	1.100	9442.37	0.0008	P	0.9
4	☐	50.000	55.326	474067.24	0.0410	P	5.0
5	☐	125.000	137.919	1188182.82	0.1022	P	1.0
6	☐	250.000	272.124	2311393.82	0.2017	A	1.5
7	☐	500.000	517.343	4458354.14	0.3835	A	2.1
8	☐	1000.000	983.917	8432589.69	0.7294	A	1.8
9	☐			2469.75	0.0002	P	5.2

$$y = 7.4133\text{E-}004 * x + 3.1369\text{E-}006$$

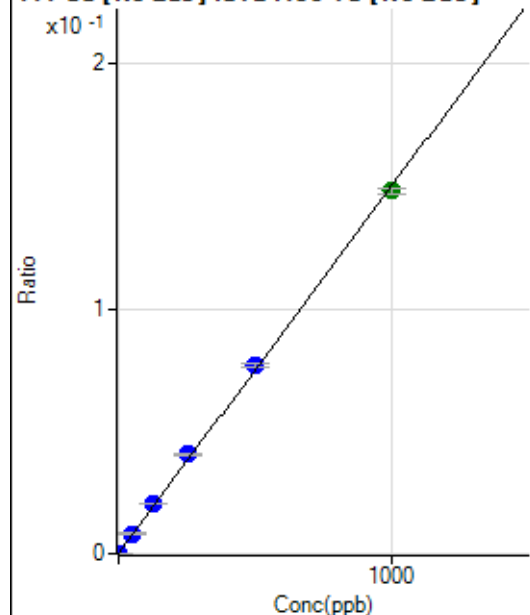
$$R = 0.9995$$

$$DL = 0.001632$$

$$BEC = 0.004231$$

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	1235.45	0.0001	P	1.1
2	☐	0.100	0.095	1403.24	0.0001	P	6.8
3	☐	1.000	1.101	3141.77	0.0003	P	1.3
4	☐	50.000	53.907	94630.76	0.0082	P	3.2
5	☐	125.000	136.830	239510.23	0.0206	P	0.9
6	☐	250.000	269.320	463531.99	0.0405	P	2.0
7	☐	500.000	512.363	893745.82	0.0769	P	1.9
8	☐	1000.000	987.314	1711582.23	0.1481	A	1.8
9	☐			1258.43	0.0001	P	4.5

$$y = 1.4984\text{E-}004 * x + 1.0737\text{E-}004$$

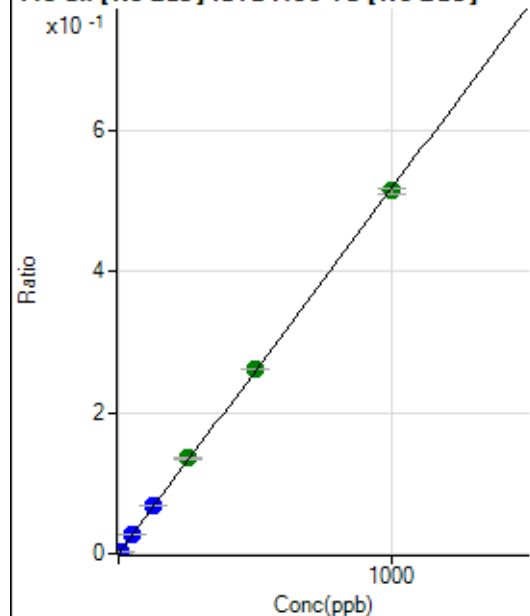
$$R = 0.9996$$

$$DL = 0.02435$$

$$BEC = 0.7165$$

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	1102.86	0.0001	P	7.5
2	☐	0.500	0.587	4609.25	0.0004	P	3.9
3	☐	5.000	5.322	32859.48	0.0028	P	2.2
4	☐	50.000	52.818	317048.28	0.0274	P	3.0
5	☐	125.000	131.407	791156.72	0.0681	P	0.8
6	☐	250.000	261.530	1551114.92	0.1354	A	1.7
7	☐	500.000	504.901	3037832.01	0.2613	A	0.4
8	☐	1000.000	993.724	5944897.70	0.5142	A	1.6
9	☐			3419.96	0.0003	P	3.6

$$y = 5.1736\text{E-}004 * x + 9.5860\text{E-}005$$

$$R = 0.9999$$

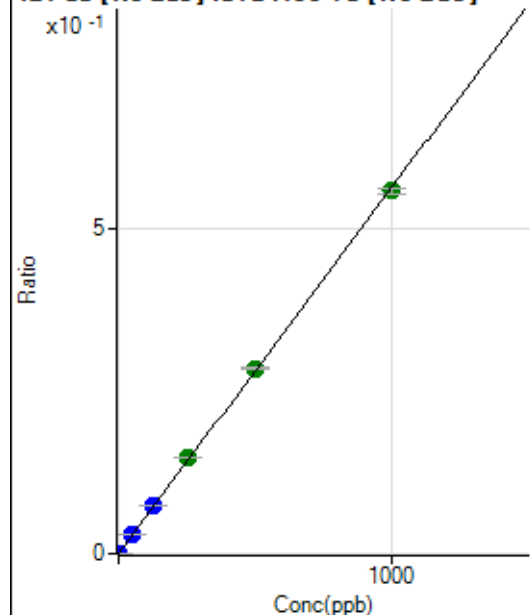
$$DL = 0.04171$$

$$BEC = 0.1853$$

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	61.11	0.0000	P	7.4
2	☐	0.200	0.225	1527.91	0.0001	P	6.8
3	☐	2.000	2.143	14013.09	0.0012	P	3.5
4	☐	50.000	52.596	343233.55	0.0297	P	3.9
5	☐	125.000	132.849	871472.37	0.0750	P	1.1
6	☐	250.000	264.600	1711099.69	0.1494	A	0.5
7	☐	500.000	507.023	3326917.85	0.2862	A	0.6
8	☐	1000.000	991.727	6471568.33	0.5598	A	1.4
9	☐			5003.85	0.0004	P	2.8

$$y = 5.6442\text{E-}004 * x + 5.3096\text{E-}006$$

$$R = 0.9998$$

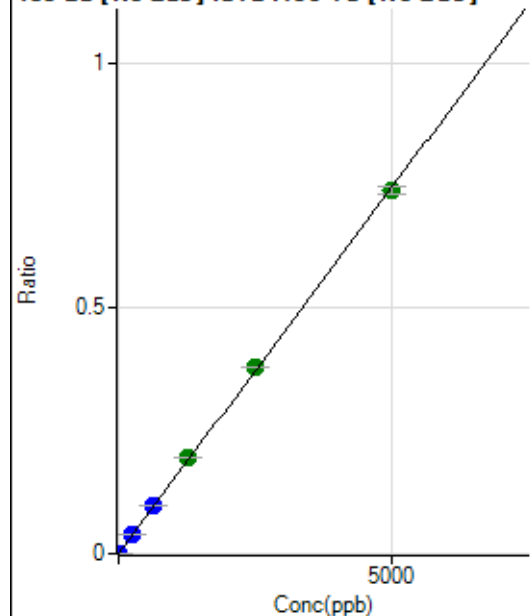
$$DL = 0.002092$$

$$BEC = 0.009407$$

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	19.45	0.0000	P	24.8
2	☐	1.000	1.049	1825.18	0.0002	P	2.0
3	☐	10.000	11.020	18980.45	0.0016	P	1.8
4	☐	250.000	255.997	441549.79	0.0382	P	4.0
5	☐	625.000	651.531	1129616.70	0.0972	P	1.0
6	☐	1250.000	1309.840	2238863.85	0.1954	A	1.0
7	☐	2500.000	2544.687	4413516.46	0.3796	A	0.4
8	☐	5000.000	4959.078	8553146.72	0.7398	A	2.2
9	☐			2978.20	0.0003	P	7.6

$$y = 1.4919\text{E-}004 * x + 1.6902\text{E-}006$$

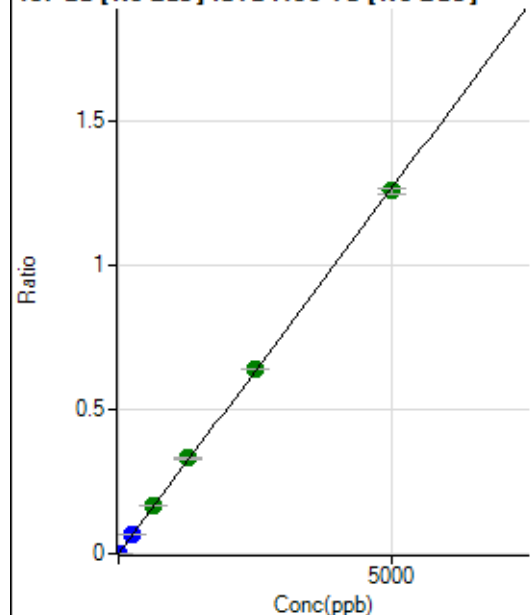
$$R = 0.9999$$

$$DL = 0.008424$$

$$BEC = 0.01133$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	52.78	0.0000	P	36.5
2	☐	1.000	1.061	3156.02	0.0003	P	4.1
3	☐	10.000	10.967	32108.09	0.0028	P	3.0
4	☐	250.000	261.277	765766.54	0.0662	P	2.1
5	☐	625.000	666.528	1963103.95	0.1689	A	0.9
6	☐	1250.000	1307.396	3795589.11	0.3313	A	2.2
7	☐	2500.000	2526.906	7445002.16	0.6404	A	0.2
8	☐	5000.000	4966.441	14551277.06	1.2587	A	1.8
9	☐			5365.10	0.0005	P	2.4

$$y = 2.5343E-004 * x + 4.5874E-006$$

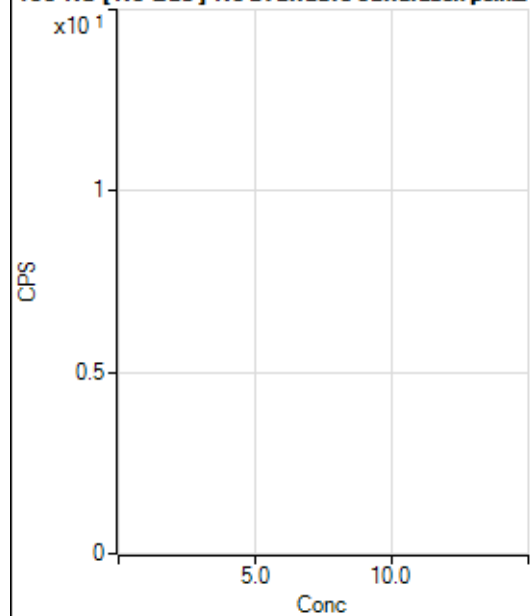
$$R = 0.9999$$

$$DL = 0.01983$$

$$BEC = 0.0181$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			4.45		P	86.6
2	☐			4.45		P	86.6
3	☐			2.22		P	173.2
4	☐			51.11		P	37.7
5	☐			100.00		P	26.7
6	☐			157.78		P	23.3
7	☐			308.90		P	1.2
8	☐			586.69		P	17.0
9	☐			66.67		P	50.0

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐			1.11		P	173.2
3	☐			1.11		P	173.2
4	☐			2.22		P	86.6
5	☐			7.78		P	24.7
6	☐			11.11		P	86.6
7	☐			18.89		P	51.0
8	☐			26.67		P	43.3
9	☐			15.55		P	86.6

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			0.00		P	
2	☐			2.78		P	173.2
3	☐			2.78		P	173.2
4	☐			33.33		P	43.3
5	☐			69.45		P	30.2
6	☐			122.23		P	21.9
7	☐			283.35		P	7.8
8	☐			458.35		P	4.8
9	☐			1836.29		P	4.5

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			5.56		P	34.7
2	☐			4.44		P	114.6
3	☐			2.22		P	86.6
4	☐			15.56		P	75.3
5	☐			26.66		P	57.3
6	☐			47.78		P	10.7
7	☐			97.78		P	8.6
8	☐			187.78		P	13.4
9	☐			817.81		P	0.9

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			94.45		P	44.4
2	☐			80.56		P	15.8
3	☐			94.45		P	43.5
4	☐			127.78		P	27.2
5	☐			150.00		P	20.0
6	☐			230.56		P	15.0
7	☐			319.46		P	10.5
8	☐			516.69		P	14.8
9	☐			2058.55		P	5.7

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			53.33		P	6.3
2	☐			37.78		P	27.0
3	☐			40.00		P	28.9
4	☐			48.89		P	21.9
5	☐			43.33		P	40.7
6	☐			84.45		P	30.1
7	☐			117.78		P	14.0
8	☐			211.11		P	11.8
9	☐			1004.49		P	2.7

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			94.45		P	53.9
2	☐			75.00		P	11.1
3	☐			91.67		P	48.1
4	☐			58.34		P	14.3
5	☐			61.11		P	43.8
6	☐			102.78		P	36.6
7	☐			86.11		P	20.1
8	☐			163.89		P	15.5
9	☐			302.79		P	18.3

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			26.67		P	33.1
2	☐			31.11		P	16.4
3	☐			31.11		P	37.6
4	☐			27.78		P	6.9
5	☐			24.44		P	20.8
6	☐			31.11		P	40.6
7	☐			32.22		P	48.9
8	☐			60.00		P	34.7
9	☐			136.67		P	17.6

172 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			36.11		P	104.1
2	☐			19.45		P	24.7
3	☐			41.67		P	20.0
4	☐			30.56		P	56.8
5	☐			27.78		P	45.8
6	☐			44.45		P	47.2
7	☐			41.67		P	20.0
8	☐			66.67		P	21.7
9	☐			86.11		P	11.2

172 Yb [He] No available calibration points

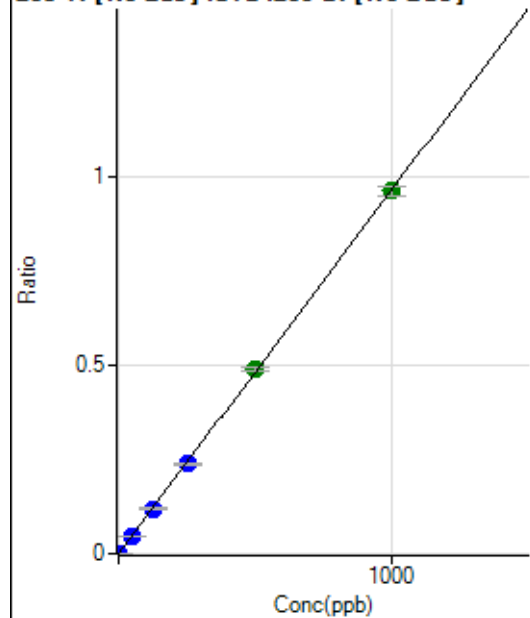
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			7.41		P	173.2
2	☐			12.96		P	24.8
3	☐			20.37		P	68.6
4	☐			9.26		P	34.6
5	☐			9.26		P	69.2
6	☐			20.37		P	41.7
7	☐			16.67		P	88.2
8	☐			16.67		P	88.2
9	☐			38.89		P	57.1

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			2130.80		P	4.5
2	☐			2133.58		P	12.6
3	☐			1966.87		P	6.7
4	☐			1789.06		P	2.1
5	☐			2008.54		P	7.2
6	☐			1886.30		P	8.7
7	☐			1886.29		P	6.6
8	☐			2061.32		P	4.5
9	☐			1927.97		P	2.2

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐			1985.36		P	10.7
2	☐			1559.38		P	6.5
3	☐			1337.13		P	2.9
4	☐			1109.32		P	11.5
5	☐			1103.77		P	18.8
6	☐			1109.33		P	8.0
7	☐			1064.88		P	4.7
8	☐			996.35		P	6.4
9	☐			1068.58		P	13.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	0.000	0.000	613.92	0.0001	P	15.3
2	☐	0.100	0.097	1186.20	0.0002	P	7.1
3	☐	1.000	1.032	6543.50	0.0011	P	1.6
4	☐	50.000	48.477	288971.80	0.0468	P	1.4
5	☐	125.000	123.351	728912.41	0.1188	P	1.8
6	☐	250.000	246.174	1448123.40	0.2371	P	1.5
7	☐	500.000	506.139	3010171.49	0.4873	A	2.2
8	☐	1000.000	998.169	5754933.50	0.9609	A	2.9
9	☐			1330.66	0.0002	P	3.3

$$y = 9.6255E-004 * x + 1.0093E-004$$

$$R = 1.0000$$

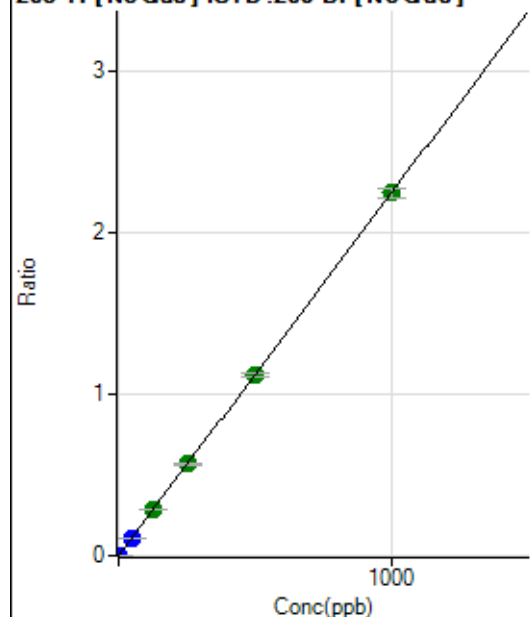
$$DL = 0.04827$$

$$BEC = 0.1049$$

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	1433.46	0.0002	P	5.7
2	☐	0.100	0.094	2728.16	0.0004	P	8.4
3	☐	1.000	1.038	15339.97	0.0026	P	2.0
4	☐	50.000	48.341	672387.54	0.1089	P	3.7
5	☐	125.000	128.049	1766306.90	0.2880	A	1.3
6	☐	250.000	252.001	3460681.11	0.5665	A	1.0
7	☐	500.000	498.596	6922160.57	1.1205	A	2.0
8	☐	1000.000	999.903	13458130.34	2.2469	A	2.3
9	☐			3256.04	0.0006	P	5.8

$$y = 0.0022 * x + 2.3527E-004$$

$$R = 1.0000$$

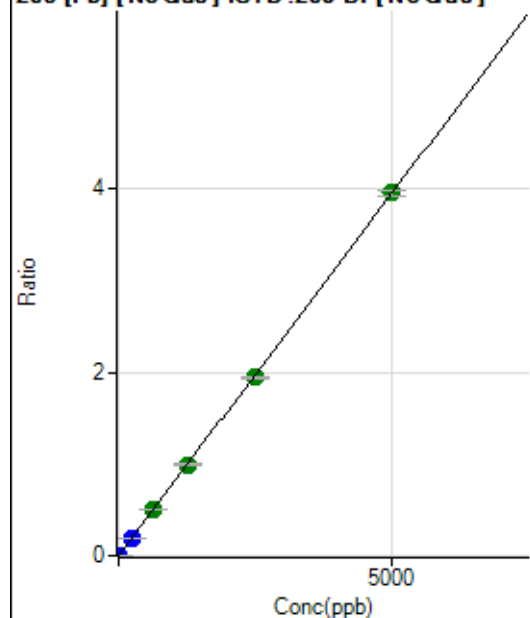
$$DL = 0.01788$$

$$BEC = 0.1047$$

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	511.13	0.0001	P	7.9
2	☐	0.100	0.135	1164.89	0.0002	P	8.6
3	☐	1.000	1.022	5321.55	0.0009	P	2.6
4	☐	250.000	234.269	1142541.53	0.1850	P	3.2
5	☐	625.000	640.051	3099021.08	0.5052	A	1.0
6	☐	1250.000	1253.991	6045528.61	0.9897	A	2.1
7	☐	2500.000	2465.452	12021109.76	1.9457	A	0.9
8	☐	5000.000	5015.181	23705524.14	3.9577	A	1.9
9	☐			21156.36	0.0038	P	1.1

$$y = 7.8914E-004 * x + 8.3978E-005$$

$$R = 1.0000$$

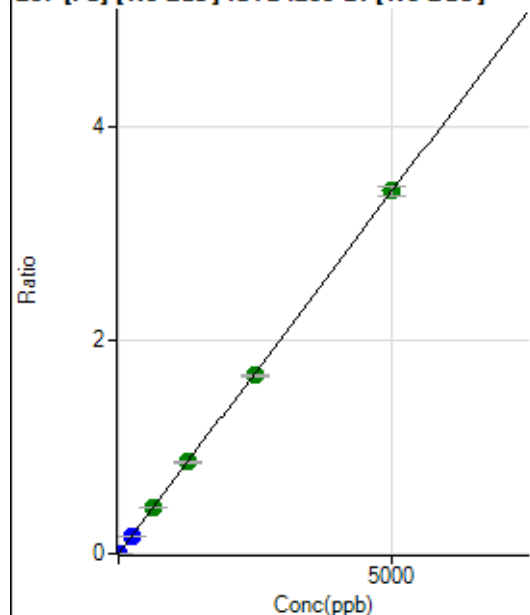
$$DL = 0.02507$$

$$BEC = 0.1064$$

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	520.39	0.0001	P	12.8
2	☐	0.100	0.117	1005.62	0.0002	P	2.7
3	☐	1.000	1.003	4576.83	0.0008	P	3.5
4	☐	250.000	239.112	1002955.03	0.1623	P	2.8
5	☐	625.000	645.529	2687615.74	0.4381	A	1.0
6	☐	1250.000	1263.893	5239724.83	0.8578	A	1.7
7	☐	2500.000	2459.271	10310868.75	1.6689	A	0.2
8	☐	5000.000	5014.870	20383169.67	3.4031	A	2.3
9	☐			18502.34	0.0033	P	1.0

$$y = 6.7859E-004 * x + 8.5409E-005$$

$$R = 0.9999$$

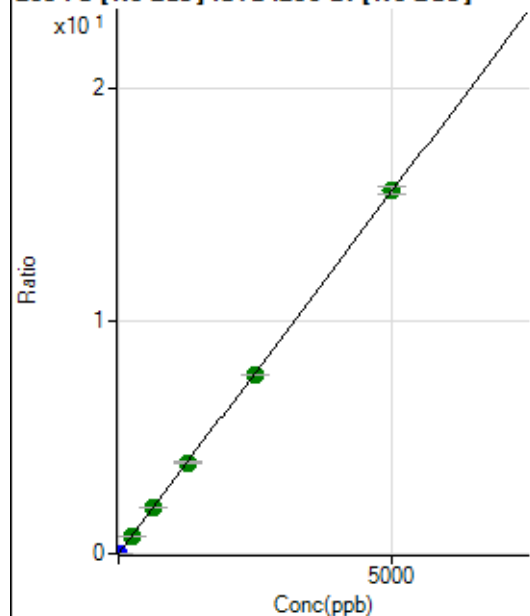
$$DL = 0.04843$$

$$BEC = 0.1259$$

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	2194.56	0.0004	P	3.1
2	☐	0.100	0.127	4609.68	0.0008	P	1.9
3	☐	1.000	1.010	20940.31	0.0035	P	2.1
4	☐	250.000	245.526	4724441.04	0.7648	A	3.2
5	☐	625.000	640.872	12241955.66	1.9957	A	0.4
6	☐	1250.000	1254.984	23872606.03	3.9077	A	1.3
7	☐	2500.000	2466.361	47442889.95	7.6792	A	0.3
8	☐	5000.000	5013.813	93501726.40	15.6105	A	2.0
9	☐			83901.13	0.0151	P	1.3

$$y = 0.0031 * x + 3.6036E-004$$

$$R = 1.0000$$

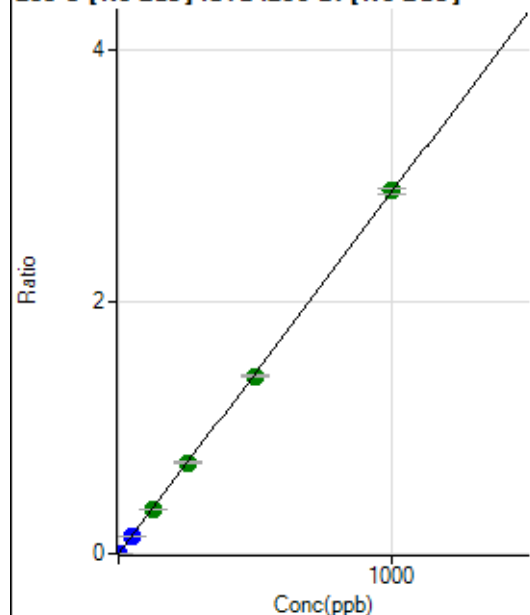
$$DL = 0.01087$$

$$BEC = 0.1157$$

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	13.89	0.0000	P	92.3
2	☐	0.100	0.099	1744.62	0.0003	P	13.5
3	☐	1.000	0.994	17053.68	0.0029	P	1.2
4	☐	50.000	46.344	821514.59	0.1330	P	2.1
5	☐	125.000	121.671	2141134.96	0.3491	A	1.3
6	☐	250.000	252.343	4422622.41	0.7239	A	0.9
7	☐	500.000	491.742	8715754.36	1.4107	A	0.9
8	☐	1000.000	1004.142	17254857.85	2.8807	A	1.4
9	☐			1891.86	0.0003	P	1.6

$$y = 0.0029 * x + 2.2798E-006$$

$$R = 0.9999$$

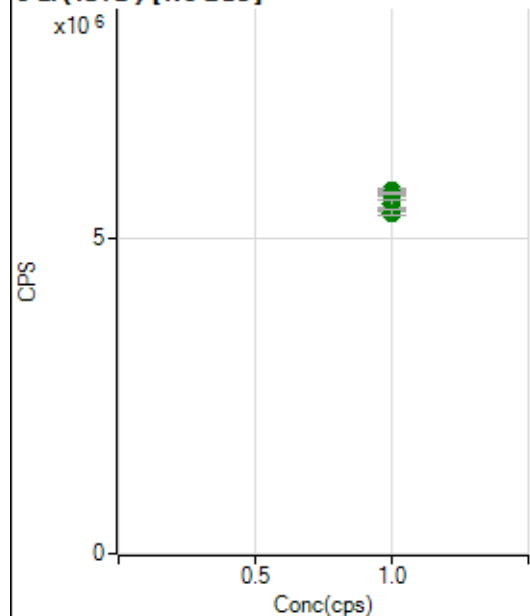
$$DL = 0.0022$$

$$BEC = 0.0007947$$

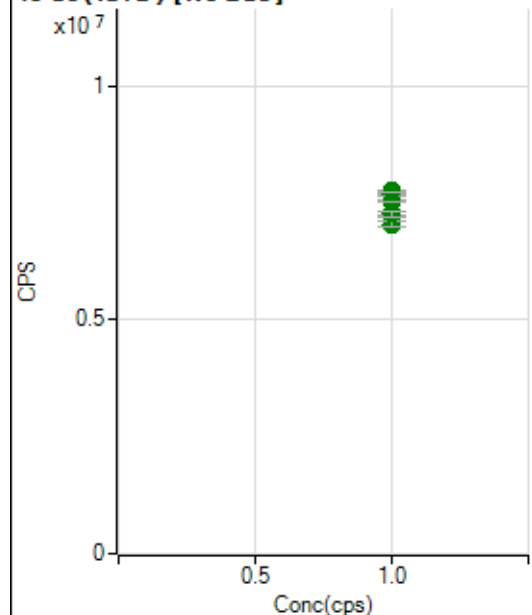
Weight: <None>

Min Conc: 0

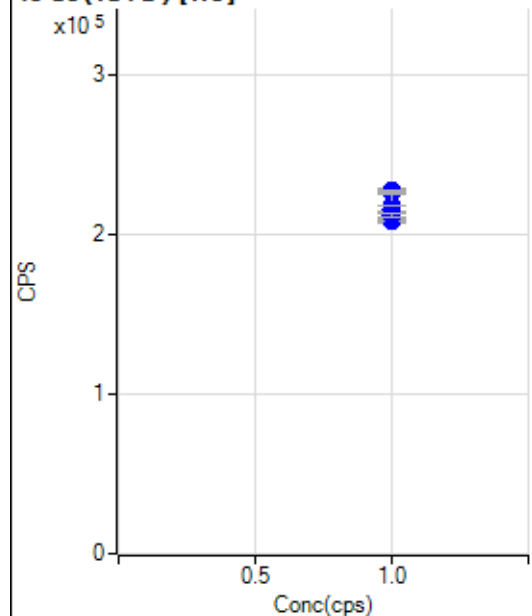
6 Li (ISTD) [No Gas]



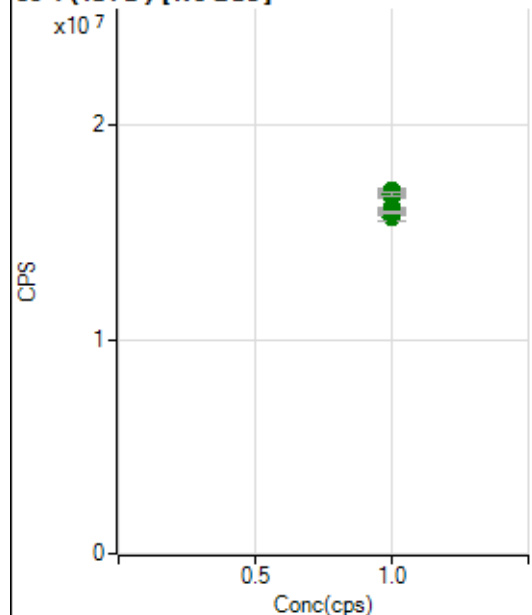
	R _j ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		5680617.77		A	1.8
2	☐	1.000		5746555.66		A	2.2
3	☐	1.000		5769187.68		A	1.3
4	☐	1.000		5721134.75		A	0.9
5	☐	1.000		5729164.48		A	1.3
6	☐	1.000		5726253.68		A	0.8
7	☐	1.000		5561198.45		A	2.3
8	☐	1.000		5407925.07		A	1.3
9	☐	1.000		5424895.59		A	1.3

45 Sc (ISTD) [No Gas]

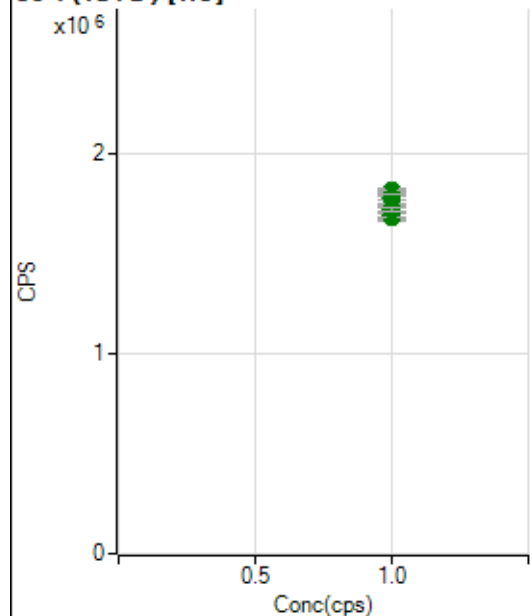
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		7542220.79		A	0.9
2	☐	1.000		7750921.69		A	0.8
3	☐	1.000		7627500.44		A	1.6
4	☐	1.000		7705786.00		A	2.0
5	☐	1.000		7671761.20		A	0.9
6	☐	1.000		7528859.89		A	0.1
7	☐	1.000		7194754.20		A	0.4
8	☐	1.000		7045256.35		A	1.8
9	☐	1.000		7251580.66		A	1.6

45 Sc (ISTD) [He]

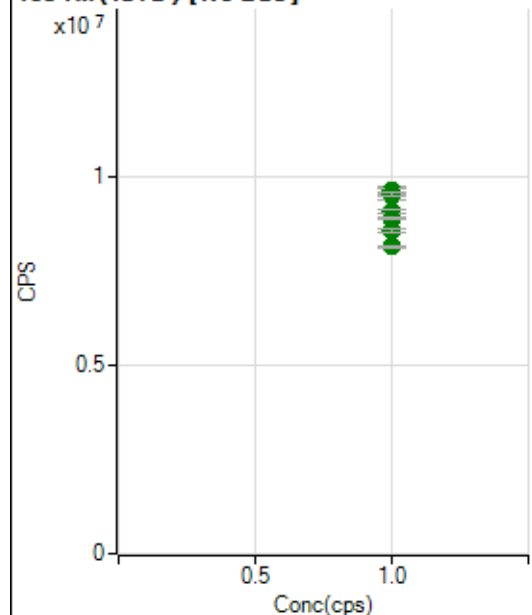
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		226179.93		P	1.0
2	☐	1.000		226140.84		P	1.0
3	☐	1.000		227254.15		P	1.2
4	☐	1.000		225959.31		P	1.1
5	☐	1.000		218467.80		P	7.4
6	☐	1.000		216154.74		P	1.5
7	☐	1.000		208755.04		P	1.5
8	☐	1.000		208827.88		P	0.7
9	☐	1.000		212099.57		P	0.8

89 Y (ISTD) [No Gas]

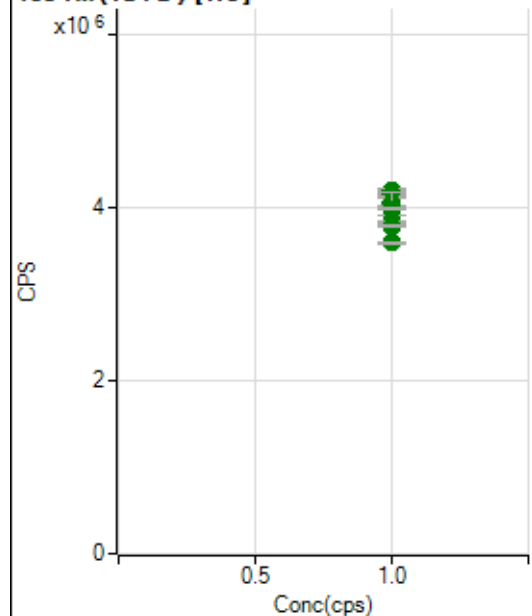
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		16665810.59		A	0.6
2	☐	1.000		16930108.64		A	1.4
3	☐	1.000		16815390.86		A	1.6
4	☐	1.000		16838389.33		A	1.9
5	☐	1.000		16772151.69		A	1.4
6	☐	1.000		16127916.57		A	0.3
7	☐	1.000		15934658.51		A	1.4
8	☐	1.000		15661824.49		A	1.7
9	☐	1.000		15913726.99		A	0.5

89 Y (ISTD) [He]

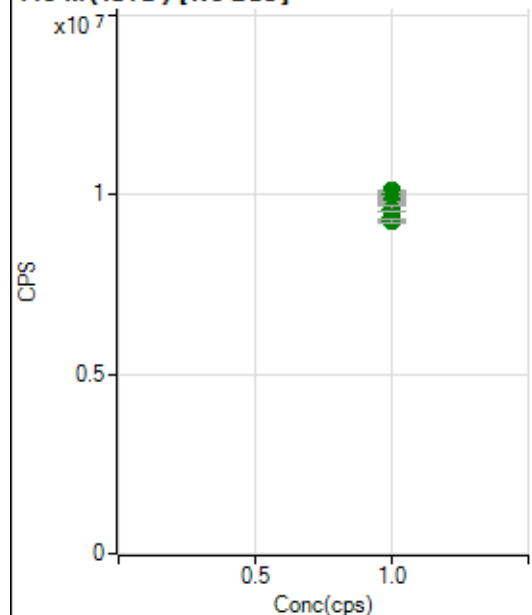
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1807371.07		A	1.0
2	☐	1.000		1818019.89		A	0.9
3	☐	1.000		1803627.49		A	1.7
4	☐	1.000		1786593.91		A	1.7
5	☐	1.000		1736752.82		A	8.0
6	☐	1.000		1751564.87		A	0.7
7	☐	1.000		1683417.87		A	0.3
8	☐	1.000		1693338.76		A	1.0
9	☐	1.000		1723541.99		A	0.8

103 Rh (ISTD) [No Gas]

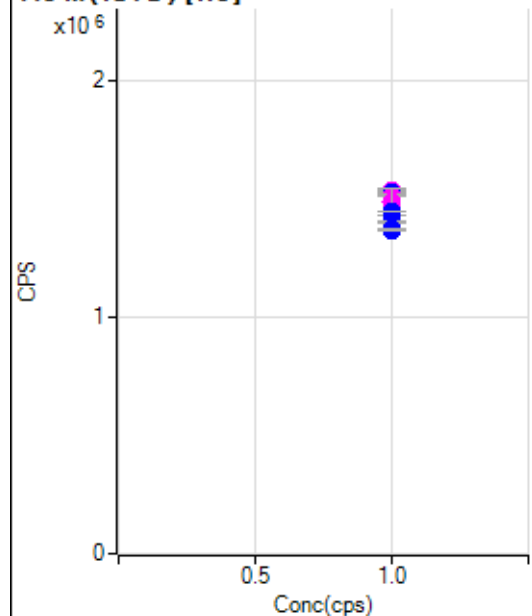
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		9487750.73		A	1.3
2	☐	1.000		9644878.77		A	2.5
3	☐	1.000		9576421.57		A	1.2
4	☐	1.000		9647092.40		A	1.0
5	☐	1.000		9561279.81		A	0.9
6	☐	1.000		9105733.11		A	0.9
7	☐	1.000		8918401.42		A	0.4
8	☐	1.000		8598125.80		A	1.4
9	☐	1.000		8177449.49		A	0.6

103 Rh (ISTD) [He]

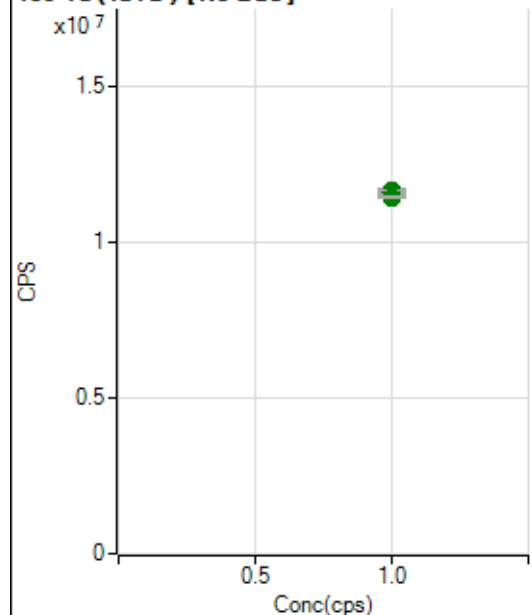
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4182540.32		A	0.6
2	☐	1.000		4197347.68		A	1.2
3	☐	1.000		4164990.81		A	1.1
4	☐	1.000		4073754.56		A	1.9
5	☐	1.000		4044320.67		A	6.5
6	☐	1.000		3986047.96		A	0.5
7	☐	1.000		3839864.52		A	0.8
8	☐	1.000		3787881.23		A	0.8
9	☐	1.000		3595986.30		A	0.5

115 In (ISTD) [No Gas]

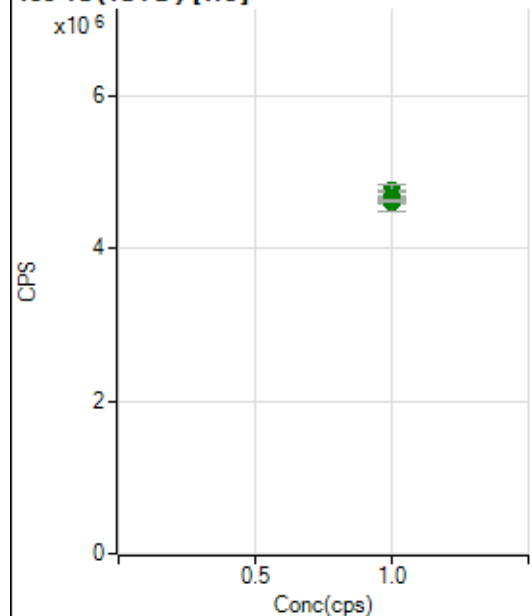
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		9940815.22		A	1.3
2	☐	1.000		9968864.36		A	2.3
3	☐	1.000		10102283.10		A	0.3
4	☐	1.000		9989671.05		A	1.9
5	☐	1.000		9925983.35		A	0.6
6	☐	1.000		9791453.56		A	0.6
7	☐	1.000		9604531.81		A	2.1
8	☐	1.000		9388609.76		A	2.5
9	☐	1.000		9250707.91		A	1.0

115 In (ISTD) [He]

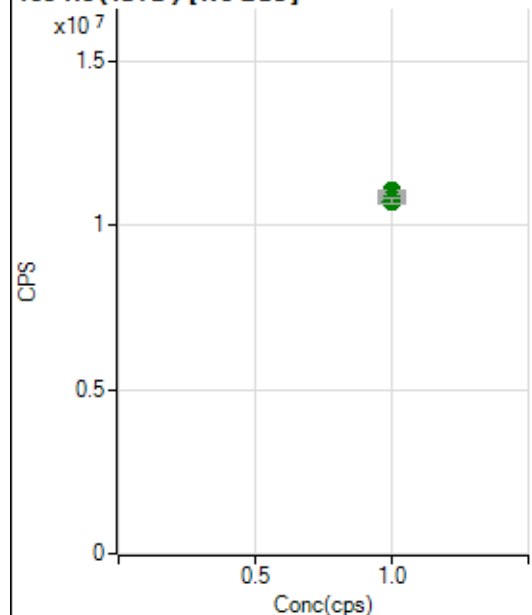
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		1531256.63		M	0.7
2	☐	1.000		1522937.91		P	0.3
3	☐	1.000		1516479.53		P	1.3
4	☐	1.000		1512844.85		M	0.7
5	☐	1.000		1484436.86		M	7.6
6	☐	1.000		1446993.00		P	0.2
7	☐	1.000		1402100.61		P	0.8
8	☐	1.000		1367201.33		P	1.0
9	☐	1.000		1367944.34		P	0.4

159 Tb (ISTD) [No Gas]

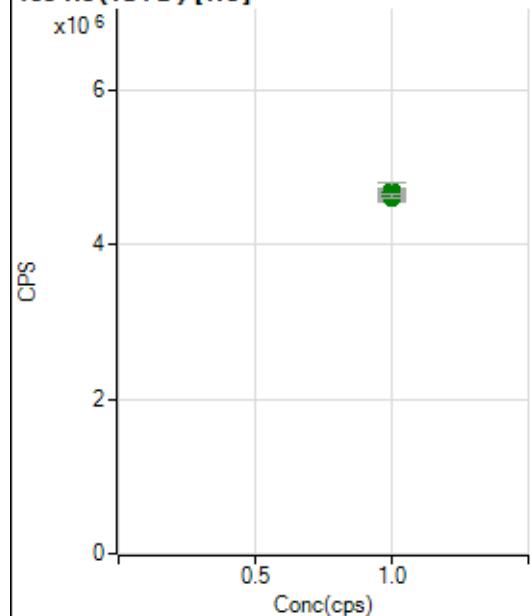
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		11506881.64		A	0.5
2	☐	1.000		11536957.19		A	1.0
3	☐	1.000		11533765.80		A	0.7
4	☐	1.000		11568410.94		A	2.8
5	☐	1.000		11621110.10		A	0.8
6	☐	1.000		11457289.27		A	1.3
7	☐	1.000		11625582.74		A	0.6
8	☐	1.000		11562240.11		A	1.1
9	☐	1.000		11412024.55		A	0.5

159 Tb (ISTD) [He]

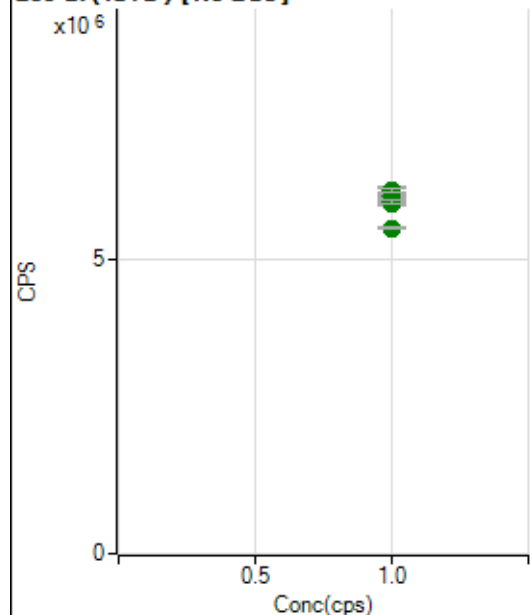
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4668645.38		A	0.2
2	☐	1.000		4749498.68		A	0.5
3	☐	1.000		4685677.43		A	1.9
4	☐	1.000		4638139.93		A	2.1
5	☐	1.000		4656510.14		A	7.9
6	☐	1.000		4662708.50		A	0.3
7	☐	1.000		4651370.10		A	1.5
8	☐	1.000		4615937.50		A	1.3
9	☐	1.000		4619635.87		A	0.5

165 Ho (ISTD) [No Gas]

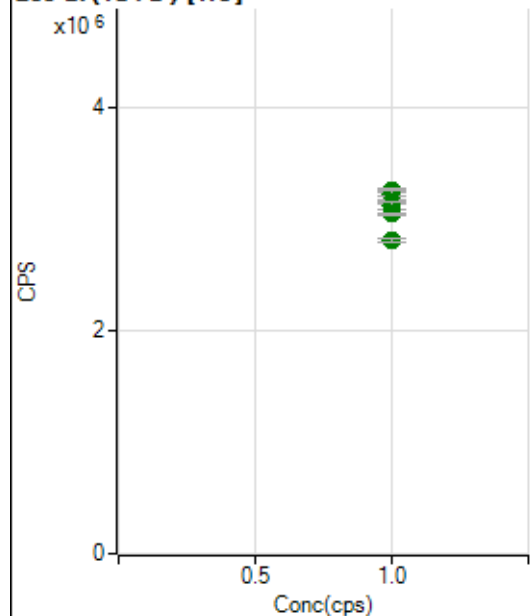
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		10821672.55		A	2.2
2	☐	1.000		10815601.11		A	1.3
3	☐	1.000		10888464.74		A	1.4
4	☐	1.000		10993084.62		A	0.2
5	☐	1.000		10952356.93		A	0.6
6	☐	1.000		10723624.37		A	0.5
7	☐	1.000		11054667.78		A	0.8
8	☐	1.000		10853784.45		A	2.2
9	☐	1.000		10749924.11		A	1.3

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		4692330.42		A	1.0
2	☐	1.000		4692133.37		A	1.9
3	☐	1.000		4681444.51		A	0.5
4	☐	1.000		4651889.89		A	1.1
5	☐	1.000		4671001.87		A	5.6
6	☐	1.000		4648780.56		A	0.5
7	☐	1.000		4593445.73		A	1.4
8	☐	1.000		4605242.99		A	1.0
9	☐	1.000		4628363.27		A	0.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		6090908.38		A	1.5
2	☐	1.000		6111462.96		A	1.8
3	☐	1.000		5976507.41		A	1.1
4	☐	1.000		6181022.13		A	2.7
5	☐	1.000		6134336.64		A	0.6
6	☐	1.000		6109417.20		A	1.2
7	☐	1.000		6178227.27		A	1.1
8	☐	1.000		5990436.09		A	1.1
9	☐	1.000		5547692.14		A	0.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	De t	RSD
1	☐	1.000		3226064.19		A	1.4
2	☐	1.000		3256590.57		A	0.4
3	☐	1.000		3234126.20		A	1.9
4	☐	1.000		3179190.54		A	2.1
5	☐	1.000		3164236.17		A	6.9
6	☐	1.000		3161299.19		A	0.9
7	☐	1.000		3123742.45		A	1.7
8	☐	1.000		3048701.17		A	0.7
9	☐	1.000		2810701.07		A	1.0

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8070721 MS.b
Acq. Date-Time 2021-07-07 09:57:56
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		19144	191441.27			0.749	5.000
24		145077	1450769.97			0.842	5.000
25		20449	204493.19			0.427	5.000
26		24204	242035.41			0.564	5.000
59		27955	279552.11			0.229	5.000
113		12978	129784.43			0.665	5.000
115		40044	400436.09			1.803	5.000
206		14359	143592.98			0.603	5.000
207		11880	118804.93			0.921	5.000
208		29294	292937.66			0.835	5.000
220		0	4.00			17.678	

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

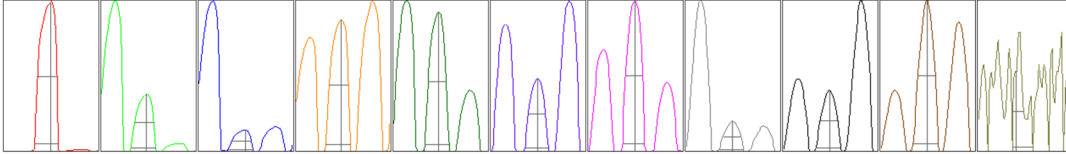
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	19230	18996	19349	19095	19052
24	143628	146737	145310	144164	145546
25	20532	20376	20514	20337	20488
26	24070	24051	24234	24327	24335
59	27875	28009	27966	27904	28021
113	12873	12968	13067	12920	13064
115	40976	40537	39991	39242	39473
206	14280	14430	14418	14251	14417
207	11725	11894	11970	11823	11991
208	29063	29182	29651	29135	29438

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	32271.45	9.00	8.90 - 9.10	
24	252895.43	23.95	23.90 - 24.10	
25	35055.56	25.00	24.90 - 25.10	
26	40593.79	25.95	25.90 - 26.10	
59	51234.39	58.95	58.90 - 59.10	
113	25448.53	113.00	112.90 - 113.10	
115	77683.94	115.00	114.90 - 115.10	
206	27259.17	206.00	205.90 - 206.10	
207	22621.46	207.00	206.90 - 207.10	
208	56111.11	208.00	207.90 - 208.10	
220	0.50	219.75	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.741	0.900	
24	0.61	0.783	0.900	
25	0.61	0.784	0.900	
26	0.62	0.782	0.900	
59	0.57	0.775	0.900	
113	0.54	0.734	0.900	
115	0.54	0.693	0.900	
206	0.56	0.782	0.900	
207	0.56	0.786	0.900	
208	0.55	0.803	0.900	
220	0.32	0.644		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.75 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.1 V	Deflect	16.2 V
Extract 2	-145.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-90 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	160 V		

QP Parameters

Mass Gain	123	Axis Gain	0.9995	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.05		

Hardware Settings

Torch

Torch H	1.0 mm	Torch V	-0.8 mm
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EM

Discriminator	4.0 mV	Analog HV	2207 V	Pulse HV	1535 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		5904	59040.47			0.631	
89		27826	278256.56			0.593	
205		37222	372222.89			0.731	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	5945	5867	5905	5866	5937
89	27969	27690	28009	27635	27825
205	37592	36995	37234	36927	37363

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.75 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.40 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	-6.0 V	Omega Lens	9.1 V	Deflect	3.8 V
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US EPA Tune Check Report

Extract 2	-145.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-90 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		
QP Parameters					
Mass Gain	123	Axis Gain	0.9995	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.05		
Hardware Settings					
Torch					
Torch H	1.0 mm	Torch V	-0.8 mm		
EM					
Discriminator	4.0 mV	Analog HV	2207 V	Pulse HV	1535 V

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:04:08	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	-0.01	0.01	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	0.01	-0.02	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.01	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.21	0.25	-0.03	0.00	N/A	ppb
Boron	11-1	-0.06	0.15	-0.09	0.00	N/A	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.01	0.00	0.01	0.00	N/A	ppb
Cadmium	106-1	-0.28	-0.29	0.57	0.00	N/A	ppb
Cadmium	108-1	0.07	-0.05	-0.02	0.00	N/A	ppb
Calcium	43-1	-0.68	0.81	-0.13	0.00	N/A	ppb
Calcium	44-1	-0.64	0.67	-0.03	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.02	0.02	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.02	-0.04	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	54-2	-0.44	0.54	-0.10	0.00	N/A	ppb
Iron	56-2	-0.10	0.09	0.02	0.00	N/A	ppb
Iron	57-2	-0.05	0.38	-0.33	0.00	N/A	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:04:08	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.01	-0.01	0.00	0.00	N/A	ppb
Lead	207-1	-0.02	0.00	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.41	0.00	0.41	0.00	N/A	ppb
Manganese	55-2	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.01	0.00	0.00	N/A	ppb
Phosphorus	31-2	2.75	-1.86	-12.46	-3.86		ppb
Potassium	39-2	2.88	-1.52	-1.36	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.03	-0.44	0.41	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.15	-0.12	0.27	0.00	N/A	ppb
Silicon	28-1	-14.91	4.17	10.74	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	1.79	0.16	-1.95	0.00	N/A	ppb
Strontium	86-1	-0.08	-0.01	0.09	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	145.49	282.98	163.50	197.32	37.87	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.01	-0.02	0.01	0.00	N/A	ppb
Thallium	205-1	-0.01	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.01	-0.01	0.02	0.00	N/A	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:04:08	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.00	-0.02	0.02	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
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.07	0.14	-0.07	0.00	N/A	ppb
Zirconium	90-1	0.01	0.00	-0.01	0.00	N/A	ppb
Zirconium	91-1	0.00	-0.01	0.01	0.00	N/A	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S1	Instrumnet Name :	P8
Client Sample ID :	S1	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:07:14	DataFile Name :	004CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.80	1.91	2.12	1.94	8.26	ppb
Antimony	121-1	0.22	0.22	0.24	0.23	7.11	ppb
Arsenic	75-2	0.12	0.11	0.13	0.12	10.08	ppb
Barium	135-1	1.04	1.03	1.07	1.05	2.06	ppb
Barium	137-1	1.01	1.10	1.07	1.06	4.21	ppb
Beryllium	9-1	0.11	0.10	0.11	0.11	5.57	ppb
Bismuth	209-1				100		%
Bismuth	209-2				101		%
Boron	10-1	1.79	2.01	2.26	2.02	11.75	ppb
Boron	11-1	2.23	2.15	2.37	2.25	4.94	ppb
Bromine	81-1						cps
Cadmium	111-1	0.08	0.16	0.05	0.09	57.81	ppb
Cadmium	106-1	-0.14	2.19	-1.19	0.29	605.38	ppb
Cadmium	108-1	0.04	0.04	0.23	0.10	107.24	ppb
Calcium	43-1	67.51	63.17	65.63	65.44	3.33	ppb
Calcium	44-1	61.80	61.28	63.32	62.14	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	Rejected	Rejected	Rejected			ppb
Cobalt	59-2	0.11	0.12	0.10	0.11	8.57	ppb
Copper	63-2	Rejected	Rejected	Rejected			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				99		%
Iron	54-2	8.46	8.39	9.46	8.77	6.85	ppb
Iron	56-2	8.30	7.99	7.82	8.04	2.99	ppb
Iron	57-2	Rejected	Rejected	Rejected			ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S1	Instrumnet Name :	P8
Client Sample ID :	S1	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:07:14	DataFile Name :	004CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.16	0.12	0.13	0.14	15.37	ppb
Lead	207-1	0.11	0.12	0.12	0.12	5.68	ppb
Lead	208-1	0.12	0.12	0.13	0.13	3.64	ppb
Lithium	6-1				101		%
Magnesium	24-2	52.03	52.27	52.14	52.15	0.23	ppb
Manganese	55-2	Rejected	Rejected	Rejected			ppb
Molybdenum	94-1	0.55	0.47	0.49	0.50	8.06	ppb
Molybdenum	95-1	0.53	0.48	0.49	0.50	5.74	ppb
Molybdenum	96-1	0.46	0.51	0.50	0.49	5.27	ppb
Molybdenum	97-1	0.52	0.49	0.52	0.51	3.36	ppb
Molybdenum	98-1	0.51	0.52	0.53	0.52	2.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	Rejected	Rejected	Rejected			ppb
Phosphorus	31-2	-9.92	5.79	2.69	-0.48		ppb
Potassium	39-2	53.78	53.81	64.79	57.46	11.05	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	Rejected	Rejected	Rejected			ppb
Selenium	77-2	1.57	0.00	0.77	0.78	100.58	ppb
Selenium	78-2	0.32	0.47	0.54	0.44	24.97	ppb
Silicon	28-1	-66.65	-76.48	-38.68	-60.60		ppb
Silver	107-1	0.09	0.09	0.09	0.09	4.83	ppb
Silver	109-1	0.09	0.09	0.11	0.10	13.31	ppb
Sodium	23-2	50.20	53.51	49.58	51.10	4.14	ppb
Strontium	86-1	0.17	0.12	0.13	0.14	21.98	ppb
Strontium	88-1	0.10	0.11	0.11	0.11	2.11	ppb
Sulfur	34-1	-171.91	-342.76	-37.95	-184.21		ppb
Terbium	159-1				100		%
Terbium	159-2				102		%
Thallium	203-1	0.09	0.09	0.11	0.10	14.88	ppb
Thallium	205-1	0.09	0.08	0.11	0.09	17.84	ppb
Tin	118-1	0.55	0.61	0.60	0.59	5.12	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S1	Instrumnet Name :	P8
Client Sample ID :	S1	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:07:14	DataFile Name :	004CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.56	0.56	0.50	0.54	6.67	ppb
Uranium	238-1	0.10	0.08	0.11	0.10	13.57	ppb
Vanadium	51-2	0.52	0.48	0.46	0.49	6.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	Rejected	Rejected	Rejected			ppb
Zirconium	90-1	0.10	0.09	0.10	0.09	7.26	ppb
Zirconium	91-1	0.08	0.11	0.11	0.10	14.45	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:10:18	DataFile Name :	005CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.86	21.79	21.15	21.60	1.80	ppb
Antimony	121-1	2.16	2.21	2.06	2.14	3.53	ppb
Arsenic	75-2	1.13	1.17	1.05	1.12	5.34	ppb
Barium	135-1	10.79	11.15	11.11	11.02	1.78	ppb
Barium	137-1	10.65	10.95	11.30	10.97	3.00	ppb
Beryllium	9-1	1.06	1.08	1.11	1.08	2.09	ppb
Bismuth	209-1				98		%
Bismuth	209-2				100		%
Boron	10-1	20.16	21.64	23.37	21.72	7.39	ppb
Boron	11-1	23.36	24.25	26.41	24.67	6.35	ppb
Bromine	81-1						cps
Cadmium	111-1	1.09	1.13	1.08	1.10	2.08	ppb
Cadmium	106-1	1.85	1.69	1.77	1.77	4.52	ppb
Cadmium	108-1	0.95	1.09	1.02	1.02	6.81	ppb
Calcium	43-1	514.92	534.35	526.74	525.33	1.86	ppb
Calcium	44-1	508.69	521.38	520.55	516.87	1.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.97	2.07	2.07	2.04	2.75	ppb
Cobalt	59-2	1.09	1.07	1.13	1.10	3.07	ppb
Copper	63-2	2.02	2.03	2.00	2.02	0.84	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				100		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	54-2	59.92	58.96	57.43	58.77	2.13	ppb
Iron	56-2	54.94	55.74	55.49	55.39	0.75	ppb
Iron	57-2	54.90	53.27	60.31	56.16	6.56	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:10:18	DataFile Name :	005CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.99	1.04	1.04	1.02	2.91	ppb
Lead	207-1	0.97	0.99	1.05	1.00	3.88	ppb
Lead	208-1	0.99	1.03	1.01	1.01	2.32	ppb
Lithium	6-1				102		%
Magnesium	24-2	521.73	536.19	536.28	531.40	1.58	ppb
Manganese	55-2	1.16	1.09	1.08	1.11	3.76	ppb
Molybdenum	94-1	5.08	5.13	5.16	5.12	0.74	ppb
Molybdenum	95-1	4.89	5.31	5.10	5.10	4.10	ppb
Molybdenum	96-1	5.01	5.27	4.99	5.09	3.10	ppb
Molybdenum	97-1	5.00	5.32	5.41	5.24	4.16	ppb
Molybdenum	98-1	5.05	5.00	5.10	5.05	0.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.31	1.17	1.17	11.38	ppb
Phosphorus	31-2	4.64	0.38	7.98	4.34	87.89	ppb
Potassium	39-2	537.43	529.97	527.50	531.63	0.97	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	5.40	5.03	5.20	5.21	3.64	ppb
Selenium	77-2	7.83	8.77	3.85	6.82	38.29	ppb
Selenium	78-2	6.52	6.49	6.43	6.48	0.75	ppb
Silicon	28-1	-20.20	-8.99	26.81	-0.79		ppb
Silver	107-1	1.03	1.12	1.04	1.07	4.73	ppb
Silver	109-1	1.10	1.11	1.09	1.10	0.90	ppb
Sodium	23-2	508.54	519.25	521.58	516.46	1.35	ppb
Strontium	86-1	1.15	1.09	1.16	1.13	3.36	ppb
Strontium	88-1	1.01	1.06	1.05	1.04	2.54	ppb
Sulfur	34-1	-190.56	47.05	104.15	-13.12		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	1.05	1.02	1.03	1.03	1.79	ppb
Thallium	205-1	1.01	1.04	1.06	1.04	2.23	ppb
Tin	118-1	5.30	5.45	5.21	5.32	2.31	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:10:18	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5.28	5.37	5.75	5.47	4.55	ppb
Uranium	238-1	0.98	0.99	1.01	0.99	1.17	ppb
Vanadium	51-2	5.27	5.11	5.31	5.23	1.99	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	2.69	2.00	2.59	2.43	15.33	ppb
Zirconium	90-1	0.99	1.05	1.03	1.02	2.72	ppb
Zirconium	91-1	1.06	0.91	0.95	0.97	8.26	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:13:23	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1017.07	1029.11	997.04	1014.41	1.60	ppb
Antimony	121-1	53.78	53.80	50.21	52.60	3.93	ppb
Arsenic	75-2	52.54	52.65	52.56	52.59	0.11	ppb
Barium	135-1	254.97	266.69	246.32	256.00	3.99	ppb
Barium	137-1	263.72	265.07	255.04	261.28	2.08	ppb
Beryllium	9-1	51.94	52.51	51.12	51.85	1.35	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Boron	10-1	43.69	47.66	49.81	47.06	6.60	ppb
Boron	11-1	48.09	53.76	54.95	52.27	7.01	ppb
Bromine	81-1						cps
Cadmium	111-1	54.68	55.13	51.91	53.91	3.24	ppb
Cadmium	106-1	51.75	53.48	48.57	51.27	4.85	ppb
Cadmium	108-1	55.06	55.50	53.99	54.85	1.42	ppb
Calcium	43-1	5100.78	4984.73	4860.06	4981.86	2.42	ppb
Calcium	44-1	4949.83	5006.85	4891.95	4949.54	1.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.97	50.17	48.32	49.15	1.91	ppb
Cobalt	59-2	50.80	52.00	50.99	51.27	1.26	ppb
Copper	63-2	518.19	529.49	519.29	522.32	1.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	54-2	2642.44	2710.74	2649.50	2667.56	1.41	ppb
Iron	56-2	2658.27	2697.12	2629.02	2661.47	1.28	ppb
Iron	57-2	2604.18	2672.92	2599.36	2625.49	1.57	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:13:23	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	234.11	241.95	226.75	234.27	3.24	ppb
Lead	207-1	239.38	245.72	232.23	239.11	2.82	ppb
Lead	208-1	245.35	253.59	237.64	245.53	3.25	ppb
Lithium	6-1				101		%
Magnesium	24-2	5351.53	5429.78	5269.56	5350.29	1.50	ppb
Manganese	55-2	508.09	511.58	496.31	505.33	1.58	ppb
Molybdenum	94-1	257.71	255.16	248.81	253.89	1.81	ppb
Molybdenum	95-1	256.27	249.50	249.31	251.69	1.58	ppb
Molybdenum	96-1	255.87	247.24	248.79	250.63	1.84	ppb
Molybdenum	97-1	260.22	246.23	247.14	251.20	3.11	ppb
Molybdenum	98-1	259.36	245.19	247.25	250.60	3.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.64	52.98	51.26	51.96	1.74	ppb
Phosphorus	31-2	999.12	1083.13	1104.22	1062.16	5.23	ppb
Potassium	39-2	2602.73	2655.04	2548.59	2602.12	2.05	ppb
Rhodium	103-1				102		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	51.83	52.77	51.61	52.07	1.18	ppb
Selenium	77-2	49.08	64.41	63.13	58.87	14.45	ppb
Selenium	78-2	51.24	55.02	53.07	53.11	3.55	ppb
Silicon	28-1	32.52	26.46	-17.04	13.98	193.33	ppb
Silver	107-1	55.55	54.63	52.99	54.39	2.38	ppb
Silver	109-1	56.66	57.20	52.12	55.33	5.05	ppb
Sodium	23-2	5092.05	5201.80	5102.57	5132.14	1.18	ppb
Strontium	86-1	502.84	507.12	499.50	503.15	0.76	ppb
Strontium	88-1	506.91	501.14	497.24	501.76	0.97	ppb
Sulfur	34-1	1408.81	1259.47	1049.84	1239.37	14.55	ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	48.23	49.26	47.94	48.48	1.43	ppb
Thallium	205-1	48.41	50.11	46.51	48.34	3.72	ppb
Tin	118-1	53.30	54.11	51.04	52.82	3.01	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:13:23	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	259.66	259.28	252.92	257.29	1.47	ppb
Uranium	238-1	45.96	47.43	45.64	46.34	2.05	ppb
Vanadium	51-2	49.55	50.04	49.16	49.58	0.89	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	514.75	525.14	512.86	517.59	1.28	ppb
Zirconium	90-1	51.05	49.12	49.78	49.98	1.96	ppb
Zirconium	91-1	51.21	48.14	48.24	49.20	3.54	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:16:27	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2581.81	2538.73	2881.59	2667.38	7.00	ppb
Antimony	121-1	132.10	134.49	131.95	132.85	1.07	ppb
Arsenic	75-2	130.98	128.63	148.25	135.95	7.88	ppb
Barium	135-1	648.83	646.95	658.82	651.53	0.98	ppb
Barium	137-1	663.13	662.93	673.53	666.53	0.91	ppb
Beryllium	9-1	128.39	132.61	130.48	130.49	1.62	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Boron	10-1	110.60	122.53	127.10	120.08	7.10	ppb
Boron	11-1	123.08	136.69	140.91	133.56	6.98	ppb
Bromine	81-1						cps
Cadmium	111-1	137.48	135.46	137.55	136.83	0.87	ppb
Cadmium	106-1	135.49	135.96	134.42	135.29	0.59	ppb
Cadmium	108-1	136.87	136.49	137.50	136.95	0.37	ppb
Calcium	43-1	12489.53	12771.67	12881.66	12714.29	1.59	ppb
Calcium	44-1	12195.84	12491.48	12575.76	12421.03	1.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	123.31	121.02	138.47	127.60	7.43	ppb
Cobalt	59-2	126.35	125.36	143.27	131.66	7.65	ppb
Copper	63-2	1325.03	1285.69	1489.55	1366.76	7.91	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				100		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	54-2	6668.07	6634.05	7472.01	6924.71	6.85	ppb
Iron	56-2	6682.22	6529.19	7457.10	6889.50	7.22	ppb
Iron	57-2	6698.13	6441.60	7383.66	6841.13	7.12	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:16:27	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	647.53	634.57	638.05	640.05	1.05	ppb
Lead	207-1	642.59	653.20	640.80	645.53	1.04	ppb
Lead	208-1	639.02	643.64	639.95	640.87	0.38	ppb
Lithium	6-1				101		%
Magnesium	24-2	13313.95	13151.63	14986.83	13817.47	7.35	ppb
Manganese	55-2	1286.45	1264.93	1456.45	1335.94	7.85	ppb
Molybdenum	94-1	626.98	644.79	628.11	633.29	1.57	ppb
Molybdenum	95-1	629.76	658.08	628.48	638.77	2.62	ppb
Molybdenum	96-1	624.10	657.49	625.58	635.72	2.97	ppb
Molybdenum	97-1	632.85	651.79	613.41	632.68	3.03	ppb
Molybdenum	98-1	633.08	645.71	617.20	632.00	2.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.86	129.08	147.28	135.40	7.60	ppb
Phosphorus	31-2	2627.17	2301.40	2792.63	2573.73	9.71	ppb
Potassium	39-2	6482.80	6393.69	7401.22	6759.24	8.25	ppb
Rhodium	103-1				101		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				97		%
Selenium	82-1	130.82	134.46	131.05	132.11	1.55	ppb
Selenium	77-2	137.29	141.21	142.42	140.31	1.91	ppb
Selenium	78-2	132.24	128.57	149.95	136.92	8.35	ppb
Silicon	28-1	36.48	58.81	79.61	58.30	37.00	ppb
Silver	107-1	132.54	137.51	136.29	135.44	1.91	ppb
Silver	109-1	138.60	136.33	138.82	137.92	1.00	ppb
Sodium	23-2	12769.69	12282.73	14397.98	13150.13	8.42	ppb
Strontium	86-1	1250.85	1308.63	1269.20	1276.23	2.31	ppb
Strontium	88-1	1247.24	1269.10	1268.17	1261.50	0.98	ppb
Sulfur	34-1	3016.91	2925.72	3189.66	3044.10	4.40	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	120.86	124.42	124.77	123.35	1.76	ppb
Thallium	205-1	126.14	128.63	129.38	128.05	1.33	ppb
Tin	118-1	132.05	131.92	130.25	131.41	0.77	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:16:27	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	649.93	651.68	650.17	650.60	0.15	ppb
Uranium	238-1	120.06	121.77	123.19	121.67	1.29	ppb
Vanadium	51-2	124.20	123.46	138.75	128.80	6.70	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				96		%
Zinc	66-2	1379.26	1366.70	1555.77	1433.91	7.37	ppb
Zirconium	90-1	126.29	128.60	128.21	127.70	0.97	ppb
Zirconium	91-1	121.56	126.94	125.64	124.71	2.25	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:19:32	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5135.96	5184.80	5222.04	5180.93	0.83	ppb
Antimony	121-1	265.39	265.39	263.02	264.60	0.52	ppb
Arsenic	75-2	257.72	259.39	253.96	257.03	1.08	ppb
Barium	135-1	1319.47	1295.64	1314.41	1309.84	0.96	ppb
Barium	137-1	1340.18	1291.41	1290.61	1307.40	2.17	ppb
Beryllium	9-1	256.14	252.05	259.63	255.94	1.48	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Boron	10-1	229.51	238.44	255.68	241.21	5.52	ppb
Boron	11-1	248.33	260.79	284.60	264.57	6.97	ppb
Bromine	81-1						cps
Cadmium	111-1	273.94	270.48	263.55	269.32	1.96	ppb
Cadmium	106-1	278.16	268.33	266.45	270.98	2.32	ppb
Cadmium	108-1	268.48	270.95	272.47	270.63	0.74	ppb
Calcium	43-1	25120.87	25280.46	25183.58	25194.97	0.32	ppb
Calcium	44-1	24552.83	24814.12	24663.65	24676.87	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	245.21	249.49	248.91	247.87	0.94	ppb
Cobalt	59-2	250.46	255.47	258.61	254.85	1.61	ppb
Copper	63-2	2619.16	2584.72	2625.34	2609.74	0.84	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				98		%
Indium	115-2				94		%
Iron	54-2	13170.60	13570.39	13518.93	13419.97	1.62	ppb
Iron	56-2	13038.00	13388.98	13111.36	13179.45	1.40	ppb
Iron	57-2	13075.95	13267.90	13465.25	13269.70	1.47	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 11:19:32 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1225.88	1276.87	1259.23	1253.99	2.07	ppb
Lead	207-1	1245.94	1287.60	1258.14	1263.89	1.69	ppb
Lead	208-1	1235.77	1264.71	1264.46	1254.98	1.33	ppb
Lithium	6-1				101		%
Magnesium	24-2	25981.31	26156.60	26736.83	26291.58	1.50	ppb
Manganese	55-2	2524.41	2592.19	2605.29	2573.97	1.69	ppb
Molybdenum	94-1	1296.48	1273.40	1279.18	1283.02	0.94	ppb
Molybdenum	95-1	1285.79	1283.31	1268.49	1279.20	0.73	ppb
Molybdenum	96-1	1296.11	1282.19	1285.66	1287.99	0.56	ppb
Molybdenum	97-1	1287.39	1295.82	1283.06	1288.76	0.50	ppb
Molybdenum	98-1	1290.62	1291.98	1265.26	1282.62	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	256.91	258.76	262.08	259.25	1.01	ppb
Phosphorus	31-2	5239.41	5153.86	5183.24	5192.17	0.84	ppb
Potassium	39-2	12661.38	12949.63	12940.38	12850.46	1.27	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				100		%
Scandium	45-2				96		%
Selenium	82-1	268.00	266.33	265.00	266.44	0.56	ppb
Selenium	77-2	288.55	271.53	261.95	274.01	4.92	ppb
Selenium	78-2	251.68	266.92	263.95	260.85	3.10	ppb
Silicon	28-1	172.82	204.96	198.87	192.22	8.88	ppb
Silver	107-1	284.43	268.42	276.21	276.36	2.90	ppb
Silver	109-1	270.15	276.71	269.51	272.12	1.46	ppb
Sodium	23-2	25333.24	25444.68	26114.35	25630.76	1.65	ppb
Strontium	86-1	2549.82	2509.25	2549.83	2536.30	0.92	ppb
Strontium	88-1	2555.03	2569.81	2556.03	2560.29	0.32	ppb
Sulfur	34-1	5901.63	6123.86	5857.40	5960.97	2.40	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	243.24	250.16	245.13	246.17	1.45	ppb
Thallium	205-1	249.05	253.27	253.69	252.00	1.02	ppb
Tin	118-1	265.74	261.81	257.04	261.53	1.67	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:19:32	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1279.33	1255.12	1275.28	1269.91	1.02	ppb
Uranium	238-1	253.87	253.38	249.79	252.34	0.88	ppb
Vanadium	51-2	248.81	250.11	251.81	250.25	0.60	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	2558.93	2633.53	2642.90	2611.79	1.76	ppb
Zirconium	90-1	259.76	257.78	260.65	259.40	0.56	ppb
Zirconium	91-1	252.93	251.02	254.51	252.82	0.69	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:22:35	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10145.83	10391.91	10480.48	10339.41	1.68	ppb
Antimony	121-1	509.64	507.68	503.75	507.02	0.59	ppb
Arsenic	75-2	511.94	514.41	515.22	513.86	0.33	ppb
Barium	135-1	2547.62	2553.66	2532.79	2544.69	0.42	ppb
Barium	137-1	2532.03	2524.00	2524.69	2526.91	0.18	ppb
Beryllium	9-1	513.08	504.36	487.97	501.81	2.54	ppb
Bismuth	209-1				101		%
Bismuth	209-2				97		%
Boron	10-1	480.84	506.19	503.27	496.77	2.79	ppb
Boron	11-1	524.65	544.16	546.23	538.35	2.21	ppb
Bromine	81-1						cps
Cadmium	111-1	517.20	518.61	501.27	512.36	1.88	ppb
Cadmium	106-1	497.40	507.59	506.84	503.94	1.13	ppb
Cadmium	108-1	514.68	516.76	514.23	515.22	0.26	ppb
Calcium	43-1	51005.04	51947.01	51166.47	51372.84	0.98	ppb
Calcium	44-1	49426.44	49916.90	48787.02	49376.79	1.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	484.52	499.90	500.97	495.13	1.86	ppb
Cobalt	59-2	510.99	513.33	525.93	516.75	1.55	ppb
Copper	63-2	5105.05	5210.29	5262.93	5192.76	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				98		%
Indium	115-1				97		%
Indium	115-2				92		%
Iron	54-2	26794.76	27966.20	27299.46	27353.47	2.15	ppb
Iron	56-2	26169.04	26811.16	26635.33	26538.51	1.25	ppb
Iron	57-2	25823.99	26819.02	26566.54	26403.18	1.96	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:22:35	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2448.23	2458.83	2489.29	2465.45	0.86	ppb
Lead	207-1	2456.49	2465.42	2455.90	2459.27	0.22	ppb
Lead	208-1	2465.04	2473.80	2460.25	2466.36	0.28	ppb
Lithium	6-1				98		%
Magnesium	24-2	52008.19	54259.65	53942.28	53403.37	2.28	ppb
Manganese	55-2	5054.47	5133.76	5118.52	5102.25	0.82	ppb
Molybdenum	94-1	2524.04	2537.86	2488.13	2516.67	1.02	ppb
Molybdenum	95-1	2522.91	2531.95	2527.74	2527.53	0.18	ppb
Molybdenum	96-1	2531.15	2527.80	2473.50	2510.82	1.29	ppb
Molybdenum	97-1	2578.10	2561.15	2493.90	2544.38	1.75	ppb
Molybdenum	98-1	2561.05	2514.61	2504.78	2526.81	1.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	505.66	520.56	519.69	515.30	1.62	ppb
Phosphorus	31-2	10156.93	10282.34	10402.96	10280.74	1.20	ppb
Potassium	39-2	25041.56	25892.12	25865.90	25599.86	1.89	ppb
Rhodium	103-1				94		%
Rhodium	103-2				92		%
Scandium	45-1				95		%
Scandium	45-2				92		%
Selenium	82-1	519.85	511.10	501.49	510.82	1.80	ppb
Selenium	77-2	462.01	537.79	520.55	506.79	7.84	ppb
Selenium	78-2	517.77	513.16	508.95	513.29	0.86	ppb
Silicon	28-1	505.90	488.70	490.51	495.03	1.91	ppb
Silver	107-1	514.17	512.70	510.85	512.57	0.33	ppb
Silver	109-1	529.17	514.55	508.30	517.34	2.07	ppb
Sodium	23-2	51239.21	52094.05	52324.26	51885.84	1.10	ppb
Strontium	86-1	5056.62	4986.24	4891.80	4978.22	1.66	ppb
Strontium	88-1	5054.41	5001.90	4844.56	4966.96	2.20	ppb
Sulfur	34-1	12254.79	12493.47	12346.47	12364.91	0.97	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	495.66	518.04	504.71	506.14	2.22	ppb
Thallium	205-1	488.81	509.20	497.78	498.60	2.05	ppb
Tin	118-1	506.77	505.46	502.48	504.90	0.44	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:22:35	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2552.30	2515.81	2511.06	2526.39	0.89	ppb
Uranium	238-1	486.93	493.15	495.15	491.74	0.87	ppb
Vanadium	51-2	492.20	507.02	503.60	500.94	1.55	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				93		%
Zinc	66-2	5208.65	5165.76	5241.98	5205.46	0.73	ppb
Zirconium	90-1	504.24	498.32	498.35	500.30	0.68	ppb
Zirconium	91-1	513.02	498.70	502.41	504.71	1.47	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:25:41	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20327.41	20408.86	20263.16	20333.14	0.36	ppb
Antimony	121-1	978.03	991.76	1005.39	991.73	1.38	ppb
Arsenic	75-2	1002.43	987.13	979.89	989.82	1.16	ppb
Barium	135-1	4838.46	4981.06	5057.72	4959.08	2.24	ppb
Barium	137-1	4890.30	5062.72	4946.30	4966.44	1.77	ppb
Beryllium	9-1	983.35	988.82	1018.33	996.83	1.89	ppb
Bismuth	209-1				98		%
Bismuth	209-2				95		%
Boron	10-1	956.46	1002.53	1055.00	1004.66	4.91	ppb
Boron	11-1	924.48	965.40	1038.14	976.01	5.90	ppb
Bromine	81-1						cps
Cadmium	111-1	967.76	1002.89	991.29	987.31	1.81	ppb
Cadmium	106-1	970.37	1001.28	1002.64	991.43	1.84	ppb
Cadmium	108-1	970.83	1001.74	983.90	985.49	1.57	ppb
Calcium	43-1	100120.19	100862.90	104117.95	101700.34	2.09	ppb
Calcium	44-1	96120.04	97166.80	101326.17	98204.34	2.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	999.93	1002.54	1005.58	1002.68	0.28	ppb
Cobalt	59-2	992.13	997.23	979.20	989.52	0.94	ppb
Copper	63-2	9847.70	9911.83	9821.90	9860.48	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				98		%
Indium	115-1				94		%
Indium	115-2				89		%
Iron	54-2	52835.90	52469.06	52878.44	52727.80	0.43	ppb
Iron	56-2	51698.27	51244.99	51153.31	51365.52	0.57	ppb
Iron	57-2	52611.43	53013.43	52192.47	52605.78	0.78	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:25:41	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4910.84	5036.62	5098.08	5015.18	1.90	ppb
Lead	207-1	4887.18	5044.89	5112.54	5014.87	2.31	ppb
Lead	208-1	4898.98	5049.47	5092.99	5013.81	2.03	ppb
Lithium	6-1				95		%
Magnesium	24-2	102267.24	103938.07	103472.96	103226.09	0.84	ppb
Manganese	55-2	10039.33	9828.59	9890.20	9919.37	1.09	ppb
Molybdenum	94-1	4841.45	5028.63	5076.45	4982.18	2.49	ppb
Molybdenum	95-1	4897.94	4988.98	5044.46	4977.13	1.49	ppb
Molybdenum	96-1	4950.50	5007.41	4993.26	4983.72	0.59	ppb
Molybdenum	97-1	4885.86	5008.08	5007.35	4967.10	1.42	ppb
Molybdenum	98-1	4872.43	4999.05	5061.12	4977.53	1.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	990.01	995.98	979.92	988.64	0.82	ppb
Phosphorus	31-2	19965.74	20037.93	19394.11	19799.26	1.78	ppb
Potassium	39-2	49674.80	50188.57	49306.47	49723.28	0.89	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				93		%
Scandium	45-2				92		%
Selenium	82-1	967.35	995.04	1006.07	989.49	2.02	ppb
Selenium	77-2	993.37	988.48	982.86	988.24	0.53	ppb
Selenium	78-2	989.87	991.27	985.82	988.99	0.29	ppb
Silicon	28-1	943.87	1050.68	1087.15	1027.24	7.25	ppb
Silver	107-1	974.85	986.40	995.55	985.60	1.05	ppb
Silver	109-1	963.95	994.61	993.19	983.92	1.76	ppb
Sodium	23-2	99972.39	101657.32	100397.93	100675.88	0.87	ppb
Strontium	86-1	9690.00	10107.86	10197.27	9998.38	2.71	ppb
Strontium	88-1	9730.81	10079.04	10189.91	9999.92	2.40	ppb
Sulfur	34-1	18209.90	18867.69	18414.38	18497.32	1.82	ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	969.97	996.94	1027.59	998.17	2.89	ppb
Thallium	205-1	974.05	1006.79	1018.87	999.90	2.32	ppb
Tin	118-1	977.60	993.29	1010.29	993.72	1.65	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:25:41	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	4791.17	4982.89	5160.74	4978.26	3.71	ppb
Uranium	238-1	991.34	1001.64	1019.45	1004.14	1.42	ppb
Vanadium	51-2	1009.40	997.03	990.61	999.01	0.96	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	9975.27	9802.58	9758.50	9845.45	1.16	ppb
Zirconium	90-1	974.83	999.36	1017.30	997.16	2.14	ppb
Zirconium	91-1	973.32	1004.36	1013.37	997.02	2.11	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:28:44	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100128.99	100339.70	99189.48	99886.06	0.61	ppb
Antimony	121-1	0.74	0.78	0.78	0.77	2.85	ppb
Arsenic	75-2	0.27	0.37	0.32	0.32	15.38	ppb
Barium	135-1	1.84	1.79	1.59	1.74	7.61	ppb
Barium	137-1	1.79	1.88	1.85	1.84	2.42	ppb
Beryllium	9-1	0.14	0.12	0.11	0.13	13.33	ppb
Bismuth	209-1				91		%
Bismuth	209-2				87		%
Boron	10-1	93.39	83.15	73.84	83.46	11.72	ppb
Boron	11-1	103.36	90.64	80.58	91.53	12.48	ppb
Bromine	81-1						cps
Cadmium	111-1	0.06	0.01	-0.01	0.02	171.64	ppb
Cadmium	106-1	-4.41	-4.32	-4.63	-4.46		ppb
Cadmium	108-1	1.15	1.22	1.35	1.24	8.01	ppb
Calcium	43-1	505019.20	493066.99	500436.89	499507.70	1.21	ppb
Calcium	44-1	511649.13	491533.68	498137.40	500440.07	2.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.51	3.43	3.41	3.45	1.47	ppb
Cobalt	59-2	1.37	1.35	1.32	1.34	1.98	ppb
Copper	63-2	4.22	4.15	4.03	4.13	2.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				99		%
Indium	115-1				93		%
Indium	115-2				89		%
Iron	54-2	247271.57	253914.28	246277.80	249154.55	1.67	ppb
Iron	56-2	250936.76	251214.57	246413.08	249521.47	1.08	ppb
Iron	57-2	249569.10	253027.25	245255.67	249284.01	1.56	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:28:44	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4.79	4.70	4.69	4.73	1.14	ppb
Lead	207-1	4.81	4.73	4.82	4.79	1.02	ppb
Lead	208-1	4.77	4.78	4.67	4.74	1.32	ppb
Lithium	6-1				95		%
Magnesium	24-2	497025.19	501723.27	497991.73	498913.39	0.50	ppb
Manganese	55-2	7.18	7.30	7.02	7.17	1.94	ppb
Molybdenum	94-1	1.40	1.20	1.27	1.29	8.13	ppb
Molybdenum	95-1	1.29	1.20	1.23	1.24	3.89	ppb
Molybdenum	96-1	3.16	3.13	2.95	3.08	3.65	ppb
Molybdenum	97-1	1.15	1.13	1.19	1.16	2.57	ppb
Molybdenum	98-1	1.17	1.09	1.01	1.09	7.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.92	3.06	2.93	2.97	2.62	ppb
Phosphorus	31-2	10.51	-8.04	15.53	6.00	206.94	ppb
Potassium	39-2	250358.91	251285.94	248247.20	249964.02	0.62	ppb
Rhodium	103-1				86		%
Rhodium	103-2				86		%
Scandium	45-1				96		%
Scandium	45-2				94		%
Selenium	82-1	0.78	0.50	1.15	0.81	40.21	ppb
Selenium	77-2	0.82	0.00	1.63	0.82	100.09	ppb
Selenium	78-2	0.32	-0.14	-0.33	-0.05		ppb
Silicon	28-1	96.38	77.11	102.06	91.85	14.24	ppb
Silver	107-1	0.30	0.27	0.27	0.28	6.38	ppb
Silver	109-1	0.30	0.30	0.27	0.29	5.24	ppb
Sodium	23-2	496157.24	506669.54	496054.55	499627.11	1.22	ppb
Strontium	86-1	2.96	3.27	3.02	3.08	5.25	ppb
Strontium	88-1	3.05	3.04	3.11	3.06	1.19	ppb
Sulfur	34-1	-1017.68	-1284.00	-1067.77	-1123.15		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.14	0.15	0.15	0.14	5.78	ppb
Thallium	205-1	0.17	0.16	0.14	0.16	9.66	ppb
Tin	118-1	0.41	0.37	0.41	0.39	5.33	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:28:44	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.96	0.99	1.09	1.02	6.74	ppb
Uranium	238-1	0.12	0.12	0.12	0.12	1.58	ppb
Vanadium	51-2	0.24	0.24	0.22	0.23	5.29	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				95		%
Yttrium	89-2				95		%
Zinc	66-2	252.38	255.79	250.37	252.85	1.08	ppb
Zirconium	90-1	0.19	0.17	0.16	0.17	9.23	ppb
Zirconium	91-1	0.18	0.15	0.15	0.16	11.99	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:46:25	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	512.96	511.68	508.69	511.11	0.43	ppb
Antimony	121-1	203.88	208.19	211.61	207.89	1.86	ppb
Arsenic	75-2	210.09	209.48	212.21	210.59	0.68	ppb
Barium	135-1	99.88	103.30	104.23	102.47	2.23	ppb
Barium	137-1	103.62	106.65	107.13	105.80	1.80	ppb
Beryllium	9-1	99.65	101.37	103.76	101.59	2.03	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Boron	10-1	442.37	485.46	523.36	483.73	8.38	ppb
Boron	11-1	480.18	535.96	583.82	533.32	9.73	ppb
Bromine	81-1						cps
Cadmium	111-1	106.54	110.31	109.13	108.66	1.78	ppb
Cadmium	106-1	178.07	175.60	179.71	177.79	1.16	ppb
Cadmium	108-1	159.44	162.15	167.32	162.97	2.46	ppb
Calcium	43-1	2070.11	2062.24	2109.20	2080.52	1.21	ppb
Calcium	44-1	2065.02	2027.12	2029.54	2040.56	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.83	99.67	100.99	100.50	0.72	ppb
Cobalt	59-2	104.70	103.35	105.55	104.53	1.06	ppb
Copper	63-2	107.72	106.29	108.02	107.34	0.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				97		%
Iron	54-2	2191.43	2166.85	2162.97	2173.75	0.71	ppb
Iron	56-2	2120.64	2128.81	2091.15	2113.54	0.94	ppb
Iron	57-2	2060.32	2076.02	2129.85	2088.73	1.75	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:46:25	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	186.20	195.95	203.94	195.36	4.55	ppb
Lead	207-1	182.80	193.10	194.73	190.21	3.40	ppb
Lead	208-1	192.59	197.74	201.93	197.42	2.37	ppb
Lithium	6-1				102		%
Magnesium	24-2	1226.08	1202.60	1216.87	1215.18	0.97	ppb
Manganese	55-2	101.54	101.08	99.22	100.62	1.22	ppb
Molybdenum	94-1	2545.95	2545.26	2563.85	2551.69	0.41	ppb
Molybdenum	95-1	2467.21	2485.33	2536.20	2496.24	1.43	ppb
Molybdenum	96-1	2483.43	2494.27	2559.43	2512.38	1.64	ppb
Molybdenum	97-1	2464.76	2520.12	2560.00	2514.96	1.90	ppb
Molybdenum	98-1	2487.39	2471.17	2508.08	2488.88	0.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.05	108.14	106.80	107.33	0.66	ppb
Phosphorus	31-2	19.53	9.12	-6.30	7.45	174.48	ppb
Potassium	39-2	2047.15	1999.37	2026.83	2024.45	1.18	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	211.29	213.66	219.65	214.87	2.01	ppb
Selenium	77-2	200.85	220.79	193.93	205.19	6.80	ppb
Selenium	78-2	217.60	211.77	213.03	214.13	1.43	ppb
Silicon	28-1	-119.23	-127.22	-49.27	-98.57		ppb
Silver	107-1	50.85	52.89	53.39	52.38	2.56	ppb
Silver	109-1	51.12	52.31	53.09	52.17	1.91	ppb
Sodium	23-2	2023.52	2007.65	1971.53	2000.90	1.33	ppb
Strontium	86-1	4808.82	4947.69	4994.75	4917.09	1.97	ppb
Strontium	88-1	4865.84	4942.65	4968.33	4925.61	1.08	ppb
Sulfur	34-1	-988.32	-837.88	-768.58	-864.93		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	199.38	200.12	206.65	202.05	1.98	ppb
Thallium	205-1	200.78	208.62	217.57	208.99	4.02	ppb
Tin	118-1	546.36	542.20	537.26	541.94	0.84	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:46:25	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2436.05	2492.96	2533.16	2487.39	1.96	ppb
Uranium	238-1	502.33	512.39	512.59	509.10	1.15	ppb
Vanadium	51-2	100.49	99.34	98.66	99.50	0.93	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	212.05	211.30	208.60	210.65	0.86	ppb
Zirconium	90-1	528.90	528.78	533.08	530.25	0.46	ppb
Zirconium	91-1	532.03	529.25	528.26	529.84	0.37	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:08:12	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.93	22.41	22.74	22.69	1.16	ppb
Antimony	121-1	2.22	2.07	2.12	2.13	3.44	ppb
Arsenic	75-2	1.15	1.04	1.10	1.10	5.29	ppb
Barium	135-1	10.60	10.51	10.47	10.53	0.67	ppb
Barium	137-1	10.91	10.89	10.39	10.73	2.74	ppb
Beryllium	9-1	1.08	1.05	1.13	1.09	3.61	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Boron	10-1	27.14	29.08	29.99	28.73	5.07	ppb
Boron	11-1	28.68	30.96	32.10	30.58	5.70	ppb
Bromine	81-1						cps
Cadmium	111-1	0.98	0.95	0.86	0.93	7.04	ppb
Cadmium	106-1	-3.64	-3.21	-1.64	-2.83		ppb
Cadmium	108-1	1.18	0.75	1.01	0.98	22.19	ppb
Calcium	43-1	528.31	508.38	543.22	526.64	3.32	ppb
Calcium	44-1	521.30	518.29	530.31	523.30	1.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.16	2.15	2.10	2.14	1.43	ppb
Cobalt	59-2	1.11	1.06	1.10	1.09	2.76	ppb
Copper	63-2	1.93	1.93	1.92	1.93	0.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	54-2	61.65	58.15	54.61	58.13	6.05	ppb
Iron	56-2	55.78	56.15	55.43	55.79	0.64	ppb
Iron	57-2	57.65	57.43	57.69	57.59	0.24	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:08:12	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1.00	1.03	0.98	1.00	2.80	ppb
Lead	207-1	1.02	1.08	0.96	1.02	5.71	ppb
Lead	208-1	1.03	1.02	0.98	1.01	2.42	ppb
Lithium	6-1				101		%
Magnesium	24-2	543.14	546.93	532.20	540.75	1.41	ppb
Manganese	55-2	1.06	1.09	1.09	1.08	1.38	ppb
Molybdenum	94-1	5.41	5.00	5.28	5.23	4.05	ppb
Molybdenum	95-1	4.96	5.25	5.17	5.13	2.97	ppb
Molybdenum	96-1	5.05	5.11	5.29	5.15	2.42	ppb
Molybdenum	97-1	5.13	4.98	5.36	5.15	3.73	ppb
Molybdenum	98-1	5.18	4.95	5.04	5.05	2.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.23	1.07	1.15	1.15	7.00	ppb
Phosphorus	31-2	7.18	-3.76	-1.17	0.75	760.08	ppb
Potassium	39-2	521.38	527.31	529.14	525.94	0.77	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	5.70	5.97	5.63	5.77	3.12	ppb
Selenium	77-2	6.28	8.79	8.83	7.97	18.33	ppb
Selenium	78-2	4.66	3.88	6.34	4.96	25.36	ppb
Silicon	28-1	-38.10	-50.05	28.44	-19.90		ppb
Silver	107-1	1.02	1.08	1.07	1.06	2.94	ppb
Silver	109-1	1.04	1.04	1.00	1.03	2.61	ppb
Sodium	23-2	506.92	496.56	494.86	499.45	1.31	ppb
Strontium	86-1	0.98	1.05	1.14	1.06	7.35	ppb
Strontium	88-1	1.08	1.07	1.05	1.06	1.36	ppb
Sulfur	34-1	-135.80	-347.36	10.15	-157.67		ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	1.02	1.05	1.01	1.03	1.90	ppb
Thallium	205-1	1.03	1.03	1.00	1.02	1.44	ppb
Tin	118-1	5.33	5.17	5.21	5.24	1.53	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:08:12	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5.26	5.48	5.46	5.40	2.27	ppb
Uranium	238-1	0.92	0.93	0.97	0.94	2.65	ppb
Vanadium	51-2	5.36	5.27	5.16	5.26	1.89	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	2.28	2.47	2.22	2.32	5.47	ppb
Zirconium	90-1	1.02	1.06	0.99	1.02	3.49	ppb
Zirconium	91-1	0.91	1.05	1.04	1.00	7.64	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:11:15 DataFile Name : 014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.51	-0.39	-0.76	-0.55		ppb
Antimony	121-1	0.01	0.00	0.01	0.01	83.15	ppb
Arsenic	75-2	0.02	0.01	-0.01	0.01	214.14	ppb
Barium	135-1	0.01	0.00	0.01	0.01	109.72	ppb
Barium	137-1	0.00	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	46.33	ppb
Bismuth	209-1				101		%
Bismuth	209-2				97		%
Boron	10-1	7.49	6.34	6.48	6.77	9.23	ppb
Boron	11-1	7.85	7.56	7.41	7.61	2.94	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.05	-0.10	-0.08		ppb
Cadmium	106-1	-4.03	-2.01	-4.14	-3.39		ppb
Cadmium	108-1	-0.05	-0.08	-0.05	-0.06		ppb
Calcium	43-1	-0.28	-0.02	0.37	0.02	1540.54	ppb
Calcium	44-1	-5.97	-5.51	-4.83	-5.44		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.02	0.01	0.02	35.94	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	178.59	ppb
Copper	63-2	0.00	-0.06	-0.05	-0.04		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				97		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	54-2	-0.11	0.06	0.22	0.06	290.37	ppb
Iron	56-2	0.34	0.00	0.11	0.15	113.81	ppb
Iron	57-2	1.01	0.31	0.16	0.49	92.91	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:11:15	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.05	0.02	0.03	43.11	ppb
Lead	207-1	0.03	0.02	0.00	0.02	67.70	ppb
Lead	208-1	0.04	0.04	0.03	0.03	17.45	ppb
Lithium	6-1				99		%
Magnesium	24-2	-0.19	-0.08	-0.44	-0.23		ppb
Manganese	55-2	0.03	0.01	0.02	0.02	41.72	ppb
Molybdenum	94-1	-0.01	0.03	0.02	0.01	169.48	ppb
Molybdenum	95-1	0.01	0.00	0.01	0.01	150.89	ppb
Molybdenum	96-1	0.01	0.00	-0.01	0.00	1272.30	ppb
Molybdenum	97-1	0.01	0.00	0.00	0.00	125.39	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	222.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.01	0.01	0.00		ppb
Phosphorus	31-2	14.66	6.98	22.39	14.68	52.49	ppb
Potassium	39-2	6.32	-4.51	-15.57	-4.59		ppb
Rhodium	103-1				99		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				94		%
Selenium	82-1	-0.16	1.03	-0.82	0.02	5190.55	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.09	0.27	0.68	0.35	86.19	ppb
Silicon	28-1	-45.27	-22.92	-29.76	-32.65		ppb
Silver	107-1	0.01	0.01	0.00	0.01	54.91	ppb
Silver	109-1	0.01	0.01	0.01	0.01	19.09	ppb
Sodium	23-2	-23.40	-41.07	-43.86	-36.11		ppb
Strontium	86-1	0.09	0.08	0.03	0.06	50.19	ppb
Strontium	88-1	-0.01	0.00	-0.01	-0.01		ppb
Sulfur	34-1	-254.75	-211.82	-352.06	-272.88		ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.01	0.02	0.02	0.02	40.20	ppb
Thallium	205-1	0.01	0.00	0.04	0.02	92.86	ppb
Tin	118-1	-0.02	0.00	0.00	-0.01		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:11:15	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.00	-0.01	-0.05	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				94		%
Zinc	66-2	0.23	-0.02	0.13	0.11	112.10	ppb
Zirconium	90-1	0.00	0.01	-0.01	0.00		ppb
Zirconium	91-1	-0.01	0.01	0.01	0.01	175.43	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:14:19	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	93138.72	92509.72	93496.13	93048.19	0.54	ppb
Antimony	121-1	1.08	1.12	1.11	1.10	1.93	ppb
Arsenic	75-2	0.29	0.40	0.30	0.33	18.62	ppb
Barium	135-1	1.45	1.44	1.28	1.39	7.06	ppb
Barium	137-1	1.36	1.44	1.37	1.39	3.00	ppb
Beryllium	9-1	0.30	0.28	0.28	0.29	5.53	ppb
Bismuth	209-1				98		%
Bismuth	209-2				94		%
Boron	10-1	6.69	6.87	6.51	6.69	2.65	ppb
Boron	11-1	7.90	7.22	7.23	7.45	5.28	ppb
Bromine	81-1						cps
Cadmium	111-1	0.33	0.36	0.22	0.30	23.90	ppb
Cadmium	106-1	-5.26	-5.81	-6.23	-5.77		ppb
Cadmium	108-1	14.23	12.20	13.96	13.46	8.17	ppb
Calcium	43-1	99220.51	100025.67	98030.86	99092.35	1.01	ppb
Calcium	44-1	95406.67	96628.83	96244.01	96093.17	0.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.77	18.83	18.98	18.86	0.55	ppb
Cobalt	59-2	1.12	1.06	1.16	1.11	4.46	ppb
Copper	63-2	7.65	7.44	7.53	7.54	1.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				91		%
Iron	54-2	102043.92	99659.43	101748.47	101150.61	1.29	ppb
Iron	56-2	101261.16	98584.61	100319.32	100055.03	1.36	ppb
Iron	57-2	102723.90	101341.70	103013.18	102359.59	0.87	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:14:19	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4.62	4.67	4.65	4.65	0.53	ppb
Lead	207-1	4.14	4.15	4.16	4.15	0.19	ppb
Lead	208-1	4.28	4.37	4.31	4.32	1.02	ppb
Lithium	6-1				98		%
Magnesium	24-2	95553.01	96473.28	96939.27	96321.85	0.73	ppb
Manganese	55-2	7.13	7.08	7.29	7.17	1.53	ppb
Molybdenum	94-1	1296.03	1312.31	1294.66	1301.00	0.75	ppb
Molybdenum	95-1	1843.04	1864.99	1838.67	1848.90	0.76	ppb
Molybdenum	96-1	1786.08	1802.37	1770.23	1786.23	0.90	ppb
Molybdenum	97-1	1851.65	1903.97	1848.98	1868.20	1.66	ppb
Molybdenum	98-1	1844.38	1865.84	1831.79	1847.34	0.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.19	5.17	5.51	5.29	3.55	ppb
Phosphorus	31-2	96668.82	95584.29	95683.27	95978.79	0.62	ppb
Potassium	39-2	97685.06	96233.98	97472.82	97130.62	0.81	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				97		%
Scandium	45-2				95		%
Selenium	82-1	0.35	0.13	0.36	0.28	46.71	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.60	-0.51	-0.31	-0.47		ppb
Silicon	28-1	-92.73	-71.82	-73.95	-79.50		ppb
Silver	107-1	0.06	0.03	0.04	0.04	36.62	ppb
Silver	109-1	0.05	0.05	0.04	0.05	12.95	ppb
Sodium	23-2	98429.45	98086.74	100255.66	98923.95	1.18	ppb
Strontium	86-1	33.39	33.78	33.25	33.47	0.81	ppb
Strontium	88-1	33.53	33.30	33.46	33.43	0.35	ppb
Sulfur	34-1	89517.98	91695.23	86596.49	89269.90	2.87	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.06	0.11	0.15	0.11	40.49	ppb
Thallium	205-1	0.10	0.13	0.12	0.12	10.89	ppb
Tin	118-1	0.28	0.33	0.32	0.31	7.89	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:14:19	DataFile Name :	015ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1979.68	1998.09	1991.26	1989.68	0.47	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	10.20	ppb
Vanadium	51-2	0.12	0.15	0.11	0.13	16.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				96		%
Zinc	66-2	10.62	10.24	11.19	10.68	4.50	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	11.64	ppb
Zirconium	91-1	0.01	0.00	0.02	0.01	86.19	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:17:12	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94307.05	92994.25	93488.77	93596.69	0.71	ppb
Antimony	121-1	20.80	21.32	20.67	20.93	1.65	ppb
Arsenic	75-2	20.84	20.55	21.10	20.83	1.33	ppb
Barium	135-1	20.71	21.91	21.29	21.30	2.82	ppb
Barium	137-1	21.71	22.08	21.21	21.67	2.01	ppb
Beryllium	9-1	20.01	19.66	19.93	19.87	0.90	ppb
Bismuth	209-1				99		%
Bismuth	209-2				95		%
Boron	10-1	62.34	64.74	67.76	64.94	4.18	ppb
Boron	11-1	71.00	71.03	72.58	71.53	1.26	ppb
Bromine	81-1						cps
Cadmium	111-1	19.77	19.92	19.87	19.85	0.40	ppb
Cadmium	106-1	18.03	23.92	22.51	21.48	14.32	ppb
Cadmium	108-1	32.62	35.97	34.34	34.31	4.87	ppb
Calcium	43-1	96226.54	96541.58	97015.26	96594.46	0.41	ppb
Calcium	44-1	94914.58	95176.54	94869.61	94986.91	0.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.42	38.53	38.40	38.45	0.18	ppb
Cobalt	59-2	20.63	20.92	21.02	20.86	0.97	ppb
Copper	63-2	27.52	27.81	27.50	27.61	0.64	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				100		%
Indium	115-1				98		%
Indium	115-2				93		%
Iron	54-2	101608.74	102382.59	101341.89	101777.74	0.53	ppb
Iron	56-2	101807.44	102230.83	101696.55	101911.61	0.28	ppb
Iron	57-2	103387.19	104958.43	102112.63	103486.08	1.38	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:17:12	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	23.68	23.55	23.82	23.68	0.57	ppb
Lead	207-1	23.35	22.68	23.26	23.10	1.58	ppb
Lead	208-1	23.37	22.87	23.53	23.26	1.47	ppb
Lithium	6-1				101		%
Magnesium	24-2	98606.51	95213.16	96846.97	96888.88	1.75	ppb
Manganese	55-2	26.56	26.54	26.37	26.49	0.39	ppb
Molybdenum	94-1	1412.49	1380.99	1383.06	1392.18	1.27	ppb
Molybdenum	95-1	1871.26	1829.42	1860.58	1853.75	1.17	ppb
Molybdenum	96-1	1795.59	1767.96	1801.89	1788.48	1.01	ppb
Molybdenum	97-1	1873.98	1824.26	1870.10	1856.11	1.49	ppb
Molybdenum	98-1	1850.71	1828.11	1850.40	1843.08	0.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.07	24.71	25.20	24.99	1.02	ppb
Phosphorus	31-2	96224.08	97019.50	96780.40	96674.66	0.42	ppb
Potassium	39-2	97444.48	98345.68	97870.37	97886.84	0.46	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	20.07	19.69	18.53	19.43	4.13	ppb
Selenium	77-2	13.22	19.65	23.52	18.80	27.70	ppb
Selenium	78-2	18.55	17.92	18.08	18.18	1.80	ppb
Silicon	28-1	-120.92	-172.76	-101.40	-131.69		ppb
Silver	107-1	19.01	19.36	18.96	19.11	1.15	ppb
Silver	109-1	19.10	19.44	18.73	19.09	1.86	ppb
Sodium	23-2	100129.88	98776.80	99498.33	99468.33	0.68	ppb
Strontium	86-1	93.69	93.36	94.91	93.99	0.87	ppb
Strontium	88-1	94.86	95.78	94.29	94.98	0.79	ppb
Sulfur	34-1	85271.05	85661.67	85474.17	85468.96	0.23	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	19.93	19.53	19.55	19.67	1.13	ppb
Thallium	205-1	19.94	20.10	20.15	20.07	0.54	ppb
Tin	118-1	58.48	59.36	58.47	58.77	0.87	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:17:12	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1972.28	1982.52	1962.18	1972.33	0.52	ppb
Uranium	238-1	62.20	60.62	60.73	61.19	1.44	ppb
Vanadium	51-2	19.37	19.43	19.57	19.45	0.53	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	29.78	29.48	30.45	29.90	1.67	ppb
Zirconium	90-1	60.20	60.72	61.20	60.70	0.83	ppb
Zirconium	91-1	59.75	59.07	60.37	59.73	1.09	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV60	Instrumnet Name :	P8
Client Sample ID :	CCV60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:23:07	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49193.27	49736.73	49745.38	49558.46	0.64	ppb
Antimony	121-1	482.14	488.73	500.32	490.40	1.88	ppb
Arsenic	75-2	477.86	481.19	490.92	483.32	1.40	ppb
Barium	135-1	2431.06	2482.33	2533.26	2482.22	2.06	ppb
Barium	137-1	2464.11	2466.15	2539.95	2490.07	1.74	ppb
Beryllium	9-1	483.76	496.56	488.41	489.58	1.32	ppb
Bismuth	209-1				96		%
Bismuth	209-2				94		%
Boron	10-1	439.10	471.32	480.36	463.59	4.68	ppb
Boron	11-1	485.48	519.24	534.58	513.10	4.90	ppb
Bromine	81-1						cps
Cadmium	111-1	503.08	496.29	506.88	502.08	1.07	ppb
Cadmium	106-1	483.07	494.70	505.58	494.45	2.28	ppb
Cadmium	108-1	492.20	498.41	498.88	496.50	0.75	ppb
Calcium	43-1	242402.92	243298.16	238297.07	241332.71	1.11	ppb
Calcium	44-1	239003.56	243262.91	237438.25	239901.57	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	469.12	461.47	470.11	466.90	1.01	ppb
Cobalt	59-2	479.51	476.18	472.01	475.90	0.79	ppb
Copper	63-2	5056.28	4974.24	5075.15	5035.22	1.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				102		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	54-2	125285.41	124635.61	124686.01	124869.01	0.29	ppb
Iron	56-2	124434.49	124196.61	123878.03	124169.71	0.22	ppb
Iron	57-2	124837.54	123720.35	125577.53	124711.81	0.75	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV60	Instrumnet Name :	P8
Client Sample ID :	CCV60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:23:07	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2516.22	2473.95	2426.16	2472.11	1.82	ppb
Lead	207-1	2503.20	2493.48	2482.63	2493.10	0.41	ppb
Lead	208-1	2489.63	2479.92	2484.11	2484.56	0.20	ppb
Lithium	6-1				100		%
Magnesium	24-2	243827.42	246709.51	248887.97	246474.96	1.03	ppb
Manganese	55-2	5058.96	5076.83	5052.08	5062.63	0.25	ppb
Molybdenum	94-1	2455.24	2452.74	2424.85	2444.28	0.69	ppb
Molybdenum	95-1	2424.40	2451.69	2377.01	2417.70	1.56	ppb
Molybdenum	96-1	2455.09	2474.93	2407.90	2445.97	1.41	ppb
Molybdenum	97-1	2400.37	2470.79	2391.29	2420.82	1.80	ppb
Molybdenum	98-1	2418.17	2450.76	2383.66	2417.53	1.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	536.50	531.82	534.11	534.14	0.44	ppb
Phosphorus	31-2	9219.20	9617.07	9904.63	9580.30	3.59	ppb
Potassium	39-2	124056.61	123986.29	125377.59	124473.50	0.63	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	470.18	477.73	476.23	474.71	0.84	ppb
Selenium	77-2	444.62	493.29	478.58	472.16	5.29	ppb
Selenium	78-2	470.35	477.02	480.63	476.00	1.10	ppb
Silicon	28-1	435.58	483.51	444.25	454.44	5.62	ppb
Silver	107-1	547.70	541.27	560.34	549.77	1.76	ppb
Silver	109-1	547.21	543.29	559.95	550.15	1.58	ppb
Sodium	23-2	243386.18	244085.86	248709.74	245393.93	1.18	ppb
Strontium	86-1	4773.70	4832.87	4813.65	4806.74	0.63	ppb
Strontium	88-1	4804.54	4879.07	4849.25	4844.29	0.77	ppb
Sulfur	34-1	10654.38	10826.57	10557.07	10679.34	1.28	ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	512.42	505.18	494.40	504.00	1.80	ppb
Thallium	205-1	499.91	501.07	488.23	496.40	1.43	ppb
Tin	118-1	478.17	499.31	499.61	492.37	2.50	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV60	Instrumnet Name :	P8
Client Sample ID :	CCV60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:23:07	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2416.42	2464.17	2381.26	2420.62	1.72	ppb
Uranium	238-1	507.39	506.88	510.73	508.33	0.41	ppb
Vanadium	51-2	481.80	477.22	477.11	478.71	0.56	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	4862.57	4942.39	5019.70	4941.55	1.59	ppb
Zirconium	90-1	487.88	491.18	490.92	489.99	0.37	ppb
Zirconium	91-1	482.80	489.77	490.69	487.75	0.88	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB60	Instrumnet Name :	P8
Client Sample ID :	CCB60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:31:28	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.46	-0.72	-0.02	-0.40		ppb
Antimony	121-1	0.03	0.05	0.05	0.04	20.56	ppb
Arsenic	75-2	0.02	0.02	-0.01	0.01	144.91	ppb
Barium	135-1	0.01	-0.01	0.02	0.01	194.29	ppb
Barium	137-1	0.00	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.01	0.00	0.02	0.01	63.20	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Boron	10-1	8.24	7.46	8.06	7.92	5.18	ppb
Boron	11-1	8.85	9.38	8.58	8.94	4.53	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.14	-0.11	-0.12		ppb
Cadmium	106-1	-4.59	-6.44	-5.08	-5.37		ppb
Cadmium	108-1	-0.11	-0.18	-0.11	-0.13		ppb
Calcium	43-1	-1.61	-1.61	-3.40	-2.21		ppb
Calcium	44-1	-7.67	-7.22	-6.50	-7.13		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.06	0.05	0.05	19.44	ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	159.15	ppb
Copper	63-2	-0.02	-0.03	0.00	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				96		%
Iron	54-2	0.42	0.46	-0.34	0.18	250.67	ppb
Iron	56-2	0.02	-0.05	0.05	0.00	1123.09	ppb
Iron	57-2	0.16	0.04	-0.09	0.04	356.89	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB60	Instrumnet Name :	P8
Client Sample ID :	CCB60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:31:28	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.11	0.09	0.09	0.10	14.26	ppb
Lead	207-1	0.09	0.13	0.11	0.11	19.22	ppb
Lead	208-1	0.11	0.12	0.10	0.11	10.29	ppb
Lithium	6-1				99		%
Magnesium	24-2	0.48	0.13	0.14	0.25	78.15	ppb
Manganese	55-2	-0.01	0.00	0.01	0.00	341.47	ppb
Molybdenum	94-1	0.03	-0.03	0.02	0.01	401.49	ppb
Molybdenum	95-1	0.03	0.02	0.02	0.02	31.92	ppb
Molybdenum	96-1	0.04	0.00	0.03	0.02	94.68	ppb
Molybdenum	97-1	0.02	0.02	0.01	0.01	40.33	ppb
Molybdenum	98-1	0.03	0.03	0.02	0.03	19.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.02	-0.01	-0.01		ppb
Phosphorus	31-2	-3.65	-8.66	-8.50	-6.94		ppb
Potassium	39-2	-15.90	-11.42	-10.34	-12.55		ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				95		%
Selenium	82-1	-0.21	-0.21	-0.17	-0.20		ppb
Selenium	77-2	0.00	0.81	0.00	0.27	173.21	ppb
Selenium	78-2	-0.22	-0.73	0.23	-0.24		ppb
Silicon	28-1	-135.48	-148.48	-122.86	-135.60		ppb
Silver	107-1	0.01	0.01	0.00	0.01	60.31	ppb
Silver	109-1	0.01	0.01	0.02	0.01	21.77	ppb
Sodium	23-2	-54.39	-56.20	-54.83	-55.14		ppb
Strontium	86-1	0.02	0.04	0.03	0.03	32.90	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1013.44	-951.74	-797.19	-920.79		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.02	0.02	0.00	0.01	101.62	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	16.13	ppb
Tin	118-1	-0.01	-0.03	-0.01	-0.02		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB60	Instrumnet Name :	P8
Client Sample ID :	CCB60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:31:28	DataFile Name :	019CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.03	0.04	-0.02	0.00		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	-0.01	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	0.01	0.05	0.00	0.02	136.36	ppb
Zirconium	90-1	0.00	0.01	-0.01	0.00	609.93	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	165.94	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:34:36	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.59	22.82	20.65	21.69	5.02	ppb
Antimony	121-1	2.16	2.09	2.26	2.17	3.82	ppb
Arsenic	75-2	1.18	1.10	1.08	1.12	5.02	ppb
Barium	135-1	10.75	10.49	11.04	10.76	2.53	ppb
Barium	137-1	10.71	10.83	11.18	10.91	2.22	ppb
Beryllium	9-1	1.10	1.08	1.12	1.10	1.59	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	27.22	29.67	30.25	29.05	5.54	ppb
Boron	11-1	30.92	32.52	33.13	32.19	3.54	ppb
Bromine	81-1						cps
Cadmium	111-1	0.94	0.92	1.06	0.98	7.87	ppb
Cadmium	106-1	-3.32	-2.32	-2.51	-2.71		ppb
Cadmium	108-1	0.78	0.94	1.26	1.00	24.54	ppb
Calcium	43-1	525.12	532.32	538.13	531.86	1.23	ppb
Calcium	44-1	515.15	522.63	522.60	520.13	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.09	2.08	2.11	2.09	0.68	ppb
Cobalt	59-2	1.08	1.06	1.06	1.07	1.11	ppb
Copper	63-2	2.03	2.06	2.06	2.05	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				100		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				96		%
Iron	54-2	60.10	55.42	57.40	57.64	4.08	ppb
Iron	56-2	55.73	56.27	55.31	55.77	0.86	ppb
Iron	57-2	51.16	52.48	58.96	54.20	7.70	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:34:36	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1.10	1.05	1.18	1.11	5.73	ppb
Lead	207-1	1.00	1.14	1.09	1.08	6.59	ppb
Lead	208-1	1.07	1.11	1.09	1.09	2.10	ppb
Lithium	6-1				99		%
Magnesium	24-2	537.09	523.39	530.51	530.33	1.29	ppb
Manganese	55-2	1.07	1.03	1.13	1.08	4.55	ppb
Molybdenum	94-1	5.02	5.31	5.31	5.22	3.22	ppb
Molybdenum	95-1	4.97	5.27	4.92	5.05	3.68	ppb
Molybdenum	96-1	5.15	4.90	5.20	5.08	3.13	ppb
Molybdenum	97-1	5.25	5.22	5.25	5.24	0.37	ppb
Molybdenum	98-1	4.96	5.06	5.19	5.07	2.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.25	1.17	1.10	1.17	6.30	ppb
Phosphorus	31-2	-3.70	3.62	6.31	2.08	249.33	ppb
Potassium	39-2	515.25	509.12	519.68	514.68	1.03	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	5.26	5.61	6.17	5.68	8.07	ppb
Selenium	77-2	3.22	3.96	7.10	4.76	43.23	ppb
Selenium	78-2	5.93	5.37	5.60	5.64	5.01	ppb
Silicon	28-1	-61.72	-78.00	-8.71	-49.48		ppb
Silver	107-1	1.05	1.02	1.19	1.09	8.28	ppb
Silver	109-1	1.09	1.12	1.17	1.13	3.50	ppb
Sodium	23-2	477.74	457.97	466.02	467.24	2.13	ppb
Strontium	86-1	1.08	0.99	1.08	1.05	4.71	ppb
Strontium	88-1	1.03	1.05	1.08	1.05	2.29	ppb
Sulfur	34-1	-662.53	-667.72	-567.71	-632.65		ppb
Terbium	159-1				99		%
Terbium	159-2				101		%
Thallium	203-1	0.94	1.07	0.97	0.99	6.65	ppb
Thallium	205-1	1.02	1.08	0.99	1.03	4.46	ppb
Tin	118-1	5.37	5.36	5.46	5.39	1.04	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:34:36	DataFile Name :	020LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5.44	5.49	4.87	5.27	6.50	ppb
Uranium	238-1	0.95	0.99	0.90	0.95	4.65	ppb
Vanadium	51-2	5.14	5.21	5.21	5.19	0.71	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	2.17	2.55	2.42	2.38	7.96	ppb
Zirconium	90-1	1.00	1.02	1.05	1.02	2.80	ppb
Zirconium	91-1	1.01	0.95	1.10	1.02	7.57	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : PB137468BL Instrumnet Name : P8
 Client Sample ID : PB137468BL Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:37:40 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.04	-0.17	-0.31	-0.17		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	15.37	ppb
Arsenic	75-2	-0.01	0.00	0.01	0.00		ppb
Barium	135-1	0.04	0.00	0.03	0.02	94.35	ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	14.12	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	6.67	6.95	5.70	6.44	10.20	ppb
Boron	11-1	7.37	7.21	6.63	7.07	5.48	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.14	-0.12	-0.09	-0.12		ppb
Cadmium	106-1	-5.90	-5.11	-3.77	-4.93		ppb
Cadmium	108-1	-0.02	-0.12	-0.02	-0.05		ppb
Calcium	43-1	-0.47	-0.31	-0.53	-0.44		ppb
Calcium	44-1	-4.94	-6.93	-5.12	-5.66		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.00	0.00	0.00	289.88	ppb
Cobalt	59-2	0.00	0.01	0.01	0.01	97.17	ppb
Copper	63-2	-0.03	-0.04	-0.06	-0.05		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				101		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	54-2	1.18	-0.48	0.30	0.33	247.29	ppb
Iron	56-2	0.04	0.03	0.14	0.07	84.97	ppb
Iron	57-2	0.14	-0.40	-0.96	-0.41		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BL	Instrumnet Name :	P8
Client Sample ID :	PB137468BL	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:37:40	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.09	0.09	0.09	0.09	4.69	ppb
Lead	207-1	0.06	0.06	0.07	0.06	3.19	ppb
Lead	208-1	0.08	0.08	0.08	0.08	5.02	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.24	0.73	0.41	0.30	164.09	ppb
Manganese	55-2	0.00	0.00	0.00	0.00		ppb
Molybdenum	94-1	-0.01	-0.03	-0.02	-0.02		ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	290.20	ppb
Molybdenum	96-1	-0.01	0.00	0.01	0.00	635.38	ppb
Molybdenum	97-1	0.00	0.02	0.00	0.01	149.24	ppb
Molybdenum	98-1	0.00	0.00	0.01	0.00	152.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	0.01	0.00	0.00	1787.20	ppb
Phosphorus	31-2	-1.37	6.70	-3.95	0.46	1210.54	ppb
Potassium	39-2	-18.59	-14.79	-11.85	-15.08		ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	0.34	0.74	0.78	0.62	39.59	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.09	-0.31	0.13	-0.03		ppb
Silicon	28-1	-88.37	-79.99	-42.65	-70.34		ppb
Silver	107-1	0.01	0.02	0.01	0.01	48.51	ppb
Silver	109-1	0.01	0.01	0.01	0.01	28.07	ppb
Sodium	23-2	-60.27	-60.52	-63.72	-61.50		ppb
Strontium	86-1	0.10	0.02	0.01	0.04	113.69	ppb
Strontium	88-1	0.00	0.00	0.01	0.00	24.31	ppb
Sulfur	34-1	-420.22	-704.57	-487.70	-537.50		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.01	0.01	0.01	104.86	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	48.59	ppb
Tin	118-1	0.01	0.00	-0.04	-0.01		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BL	Instrumnet Name :	P8
Client Sample ID :	PB137468BL	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:37:40	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.04	-0.02	-0.03	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	-0.01	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	0.23	-0.04	0.04	0.08	178.41	ppb
Zirconium	90-1	0.00	-0.01	0.00	0.00		ppb
Zirconium	91-1	0.01	0.00	0.00	0.01	173.74	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BS	Instrumnet Name :	P8
Client Sample ID :	PB137468BS	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:40:42	DataFile Name :	022LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10121.56	10161.99	10045.07	10109.54	0.59	ppb
Antimony	121-1	504.13	501.85	505.35	503.78	0.35	ppb
Arsenic	75-2	507.45	496.76	502.70	502.30	1.07	ppb
Barium	135-1	2470.62	2438.37	2513.93	2474.31	1.53	ppb
Barium	137-1	2480.68	2474.21	2503.04	2485.98	0.61	ppb
Beryllium	9-1	483.95	484.22	480.41	482.86	0.44	ppb
Bismuth	209-1				101		%
Bismuth	209-2				97		%
Boron	10-1	431.20	440.54	458.41	443.38	3.12	ppb
Boron	11-1	468.22	489.13	515.52	490.95	4.83	ppb
Bromine	81-1						cps
Cadmium	111-1	495.08	501.02	494.03	496.71	0.76	ppb
Cadmium	106-1	501.83	488.30	485.45	491.86	1.78	ppb
Cadmium	108-1	514.51	515.12	513.29	514.31	0.18	ppb
Calcium	43-1	50513.33	49980.02	49570.81	50021.39	0.94	ppb
Calcium	44-1	47796.31	48053.78	48382.63	48077.57	0.61	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	484.43	490.92	486.49	487.28	0.68	ppb
Cobalt	59-2	506.10	514.84	511.62	510.85	0.87	ppb
Copper	63-2	5091.80	5136.88	5078.68	5102.45	0.60	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				103		%
Holmium	165-2				100		%
Indium	115-1				101		%
Indium	115-2				94		%
Iron	54-2	27097.38	26891.14	27077.32	27021.94	0.42	ppb
Iron	56-2	26330.81	26339.54	26037.99	26236.11	0.65	ppb
Iron	57-2	25822.72	26139.62	26008.40	25990.25	0.61	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BS	Instrumnet Name :	P8
Client Sample ID :	PB137468BS	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:40:42	DataFile Name :	022LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2398.11	2438.01	2476.46	2437.53	1.61	ppb
Lead	207-1	2404.10	2416.91	2494.18	2438.40	2.00	ppb
Lead	208-1	2414.68	2403.75	2491.85	2436.76	1.97	ppb
Lithium	6-1				102		%
Magnesium	24-2	52053.60	52807.37	51936.07	52265.68	0.90	ppb
Manganese	55-2	5076.04	5052.13	4985.90	5038.03	0.93	ppb
Molybdenum	94-1	2474.57	2445.86	2395.50	2438.65	1.64	ppb
Molybdenum	95-1	2451.58	2454.70	2375.19	2427.16	1.86	ppb
Molybdenum	96-1	2467.09	2477.64	2378.34	2441.02	2.23	ppb
Molybdenum	97-1	2451.65	2461.07	2378.10	2430.27	1.87	ppb
Molybdenum	98-1	2435.05	2473.84	2346.33	2418.41	2.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	505.51	509.98	501.73	505.74	0.82	ppb
Phosphorus	31-2	10148.62	10071.53	9895.74	10038.63	1.29	ppb
Potassium	39-2	25260.43	25907.65	25410.36	25526.15	1.33	ppb
Rhodium	103-1				100		%
Rhodium	103-2				96		%
Scandium	45-1				102		%
Scandium	45-2				97		%
Selenium	82-1	500.21	501.10	487.26	496.19	1.56	ppb
Selenium	77-2	481.98	491.15	488.00	487.04	0.96	ppb
Selenium	78-2	509.07	506.18	501.82	505.69	0.72	ppb
Silicon	28-1	555.56	519.34	555.40	543.43	3.84	ppb
Silver	107-1	518.10	503.31	505.89	509.10	1.55	ppb
Silver	109-1	522.92	506.22	517.71	515.62	1.66	ppb
Sodium	23-2	51320.46	50420.43	50053.60	50598.16	1.29	ppb
Strontium	86-1	4875.56	4931.37	4857.82	4888.25	0.79	ppb
Strontium	88-1	4848.16	4896.38	4858.78	4867.77	0.52	ppb
Sulfur	34-1	11281.78	11066.16	10926.91	11091.62	1.61	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	489.65	491.30	497.78	492.91	0.87	ppb
Thallium	205-1	489.48	485.67	494.72	489.95	0.93	ppb
Tin	118-1	504.67	494.26	503.55	500.83	1.14	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BS	Instrumnet Name :	P8
Client Sample ID :	PB137468BS	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:40:42	DataFile Name :	022LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2439.80	2425.39	2470.04	2445.07	0.93	ppb
Uranium	238-1	473.59	477.67	486.95	479.40	1.43	ppb
Vanadium	51-2	490.23	496.96	491.36	492.85	0.73	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				98		%
Zinc	66-2	5203.52	5142.92	5085.19	5143.88	1.15	ppb
Zirconium	90-1	490.89	488.14	485.68	488.24	0.53	ppb
Zirconium	91-1	487.38	484.31	475.32	482.34	1.30	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : PB137468TB Instrumnet Name : P8
 Client Sample ID : PB137468TB Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 12:53:17 DataFile Name : 023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.92	1.09	1.10	1.04	9.60	ppb
Antimony	121-1	0.03	0.02	0.04	0.03	38.49	ppb
Arsenic	75-2	0.01	0.02	0.02	0.01	39.74	ppb
Barium	135-1	0.03	0.01	0.00	0.01	111.74	ppb
Barium	137-1	0.00	0.00	0.02	0.00	225.34	ppb
Beryllium	9-1	0.01	0.01	0.02	0.01	34.06	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Boron	10-1	6.19	6.53	7.04	6.59	6.48	ppb
Boron	11-1	7.46	6.60	6.66	6.90	6.95	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.13	-0.16	-0.13	-0.14		ppb
Cadmium	106-1	-5.64	-7.26	-6.06	-6.32		ppb
Cadmium	108-1	-0.02	-0.08	-0.14	-0.08		ppb
Calcium	43-1	6.76	5.75	4.97	5.82	15.36	ppb
Calcium	44-1	-0.94	1.26	0.42	0.25	445.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.08	0.07	0.04	0.06	36.12	ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	62.55	ppb
Copper	63-2	-0.08	-0.08	-0.05	-0.07		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				98		%
Indium	115-1				101		%
Indium	115-2				93		%
Iron	54-2	2.60	2.60	2.85	2.68	5.35	ppb
Iron	56-2	2.84	2.95	2.71	2.83	4.18	ppb
Iron	57-2	2.39	3.39	2.02	2.60	27.23	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468TB	Instrumnet Name :	P8
Client Sample ID :	PB137468TB	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:53:17	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.08	0.09	0.07	0.08	9.18	ppb
Lead	207-1	0.06	0.08	0.05	0.06	23.56	ppb
Lead	208-1	0.07	0.07	0.06	0.07	11.56	ppb
Lithium	6-1				99		%
Magnesium	24-2	0.90	0.95	1.07	0.97	8.86	ppb
Manganese	55-2	0.25	0.20	0.25	0.23	12.88	ppb
Molybdenum	94-1	0.00	0.02	-0.01	0.01	237.05	ppb
Molybdenum	95-1	0.02	0.01	0.02	0.01	35.14	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	247.54	ppb
Molybdenum	97-1	0.02	0.03	0.01	0.02	51.17	ppb
Molybdenum	98-1	0.01	0.01	0.00	0.01	96.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	0.01	0.00	190.72	ppb
Phosphorus	31-2	5.49	2.74	-8.55	-0.11		ppb
Potassium	39-2	-5.62	-9.60	-18.71	-11.31		ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				99		%
Scandium	45-2				94		%
Selenium	82-1	-0.51	0.41	1.01	0.31	250.30	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.80	0.03	-0.08	-0.28		ppb
Silicon	28-1	-57.73	-59.26	-49.73	-55.57		ppb
Silver	107-1	0.00	0.01	0.00	0.00	167.87	ppb
Silver	109-1	0.00	0.01	0.01	0.01	90.58	ppb
Sodium	23-2	-55.11	-62.51	-61.23	-59.61		ppb
Strontium	86-1	0.08	0.01	0.03	0.04	94.87	ppb
Strontium	88-1	0.02	0.02	0.02	0.02	21.51	ppb
Sulfur	34-1	-853.11	-671.29	-547.83	-690.74		ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	0.03	0.04	0.01	0.03	42.36	ppb
Thallium	205-1	0.03	0.03	0.02	0.02	13.73	ppb
Tin	118-1	-0.03	0.00	-0.03	-0.02		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468TB	Instrumnet Name :	P8
Client Sample ID :	PB137468TB	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:53:17	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.02	-0.02	0.11	0.02	307.07	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				95		%
Zinc	66-2	0.29	0.08	0.17	0.18	58.35	ppb
Zirconium	90-1	-0.01	0.00	0.00	0.00		ppb
Zirconium	91-1	0.01	0.01	-0.01	0.00	233.27	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02DLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 12:56:30 DataFile Name : 024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5155.08	5237.19	5162.48	5184.92	0.88	ppb
Antimony	121-1	0.02	0.02	0.01	0.02	27.04	ppb
Arsenic	75-2	0.45	0.42	0.46	0.44	5.80	ppb
Barium	135-1	11.73	11.37	12.50	11.87	4.87	ppb
Barium	137-1	11.62	12.04	12.97	12.21	5.64	ppb
Beryllium	9-1	0.08	0.08	0.09	0.08	10.84	ppb
Bismuth	209-1				98		%
Bismuth	209-2				98		%
Boron	10-1	160.79	175.13	197.92	177.95	10.52	ppb
Boron	11-1	183.75	197.17	226.10	202.34	10.70	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.06	0.00	-0.01	-0.03		ppb
Cadmium	106-1	-6.26	-4.24	-3.90	-4.80		ppb
Cadmium	108-1	0.04	-0.02	0.20	0.07	155.91	ppb
Calcium	43-1	35048.44	35691.94	37208.61	35983.00	3.08	ppb
Calcium	44-1	34260.31	34027.31	36221.61	34836.41	3.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.23	1.35	1.25	1.28	5.17	ppb
Cobalt	59-2	12.91	13.02	12.82	12.92	0.74	ppb
Copper	63-2	40.15	40.15	39.96	40.09	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	54-2	17358.99	17027.87	16871.04	17085.97	1.46	ppb
Iron	56-2	16884.63	17154.56	16748.46	16929.22	1.22	ppb
Iron	57-2	16807.72	17054.20	16626.23	16829.38	1.28	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:56:30	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.54	0.50	0.48	0.50	5.69	ppb
Lead	207-1	0.51	0.42	0.41	0.45	11.54	ppb
Lead	208-1	0.51	0.47	0.48	0.49	3.90	ppb
Lithium	6-1				97		%
Magnesium	24-2	4455.29	4586.05	4433.77	4491.71	1.83	ppb
Manganese	55-2	472.18	480.65	468.64	473.83	1.30	ppb
Molybdenum	94-1	0.19	0.21	0.19	0.20	4.65	ppb
Molybdenum	95-1	0.03	0.06	0.06	0.05	32.94	ppb
Molybdenum	96-1	0.22	0.20	0.22	0.21	4.64	ppb
Molybdenum	97-1	0.08	0.05	0.08	0.07	25.47	ppb
Molybdenum	98-1	0.02	0.03	0.04	0.03	30.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.90	6.91	7.07	6.96	1.35	ppb
Phosphorus	31-2	128.64	129.19	155.54	137.79	11.16	ppb
Potassium	39-2	287.74	319.28	290.85	299.29	5.81	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	0.31	0.33	0.97	0.54	70.41	ppb
Selenium	77-2	1.60	1.65	6.46	3.24	86.28	ppb
Selenium	78-2	0.68	1.52	1.43	1.21	38.25	ppb
Silicon	28-1	5191.31	5256.35	5613.31	5353.66	4.24	ppb
Silver	107-1	0.00	0.01	0.01	0.01	56.45	ppb
Silver	109-1	0.00	0.01	0.01	0.01	24.39	ppb
Sodium	23-2	10198.39	10467.94	10013.70	10226.67	2.23	ppb
Strontium	86-1	81.27	80.71	85.19	82.39	2.96	ppb
Strontium	88-1	84.56	81.51	85.46	83.84	2.47	ppb
Sulfur	34-1	44722.49	45306.98	47394.12	45807.86	3.07	ppb
Terbium	159-1				98		%
Terbium	159-2				99		%
Thallium	203-1	0.02	0.04	0.03	0.03	17.55	ppb
Thallium	205-1	0.04	0.03	0.05	0.04	19.18	ppb
Tin	118-1	0.04	0.05	0.04	0.04	8.42	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:56:30	DataFile Name :	024AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.72	0.45	0.70	0.62	24.88	ppb
Uranium	238-1	0.62	0.56	0.61	0.60	5.97	ppb
Vanadium	51-2	22.55	22.61	22.31	22.49	0.72	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	85.87	87.11	87.43	86.81	0.95	ppb
Zirconium	90-1	0.07	0.07	0.08	0.07	10.32	ppb
Zirconium	91-1	0.10	0.13	0.09	0.10	20.44	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DUPDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:59:31	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5139.74	5160.85	5021.10	5107.23	1.48	ppb
Antimony	121-1	0.02	0.00	0.02	0.01	54.32	ppb
Arsenic	75-2	0.37	0.43	0.41	0.40	8.49	ppb
Barium	135-1	11.59	11.60	11.88	11.69	1.41	ppb
Barium	137-1	11.94	12.02	12.09	12.02	0.60	ppb
Beryllium	9-1	0.08	0.09	0.07	0.08	11.89	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Boron	10-1	173.88	183.50	184.84	180.74	3.31	ppb
Boron	11-1	193.60	210.40	213.94	205.98	5.28	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.04	-0.05	-0.06	-0.05		ppb
Cadmium	106-1	-4.48	-5.35	-5.15	-5.00		ppb
Cadmium	108-1	0.10	-0.05	0.11	0.05	168.79	ppb
Calcium	43-1	33744.62	33865.53	33041.32	33550.49	1.33	ppb
Calcium	44-1	33341.49	33725.05	32195.64	33087.40	2.40	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.24	1.36	1.28	1.29	4.83	ppb
Cobalt	59-2	12.80	12.99	12.55	12.78	1.70	ppb
Copper	63-2	38.74	39.47	38.75	38.99	1.07	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	17024.19	16767.33	16799.61	16863.71	0.83	ppb
Iron	56-2	16830.63	16767.66	16333.49	16643.92	1.63	ppb
Iron	57-2	16439.19	16500.86	16201.18	16380.41	0.97	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02DUPDLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 12:59:31 DataFile Name : 025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.48	0.44	0.46	0.46	4.08	ppb
Lead	207-1	0.45	0.39	0.46	0.43	9.41	ppb
Lead	208-1	0.44	0.46	0.43	0.44	3.33	ppb
Lithium	6-1				100		%
Magnesium	24-2	4383.38	4446.70	4342.71	4390.93	1.19	ppb
Manganese	55-2	462.29	469.08	461.45	464.27	0.90	ppb
Molybdenum	94-1	0.20	0.19	0.20	0.19	3.18	ppb
Molybdenum	95-1	0.05	0.05	0.07	0.06	15.12	ppb
Molybdenum	96-1	0.18	0.21	0.20	0.20	7.36	ppb
Molybdenum	97-1	0.05	0.04	0.02	0.04	31.64	ppb
Molybdenum	98-1	0.04	0.05	0.03	0.04	30.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.80	6.97	6.76	6.84	1.67	ppb
Phosphorus	31-2	164.08	136.95	132.19	144.40	11.91	ppb
Potassium	39-2	302.72	298.88	281.66	294.42	3.81	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				99		%
Scandium	45-2				95		%
Selenium	82-1	0.87	0.30	0.02	0.40	109.20	ppb
Selenium	77-2	5.56	5.63	3.97	5.05	18.66	ppb
Selenium	78-2	1.36	2.63	0.50	1.50	71.83	ppb
Silicon	28-1	5034.93	4943.59	4839.87	4939.47	1.98	ppb
Silver	107-1	0.01	0.01	0.00	0.00	51.08	ppb
Silver	109-1	0.01	0.01	0.01	0.01	45.21	ppb
Sodium	23-2	10002.88	10089.39	9877.90	9990.06	1.06	ppb
Strontium	86-1	79.23	80.20	78.65	79.36	0.99	ppb
Strontium	88-1	80.02	80.47	78.85	79.78	1.05	ppb
Sulfur	34-1	42104.14	42666.20	41219.27	41996.54	1.74	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.03	0.01	0.03	0.02	60.92	ppb
Thallium	205-1	0.02	0.01	0.02	0.02	42.46	ppb
Tin	118-1	0.01	-0.01	0.02	0.01	232.63	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DUPDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:59:31	DataFile Name :	025AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.56	0.50	0.63	0.57	11.33	ppb
Uranium	238-1	0.55	0.58	0.55	0.56	2.90	ppb
Vanadium	51-2	22.69	21.66	21.76	22.04	2.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	83.30	84.49	84.21	84.00	0.74	ppb
Zirconium	90-1	0.10	0.08	0.07	0.08	16.07	ppb
Zirconium	91-1	0.07	0.03	0.08	0.06	44.69	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02LDLX50 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 50
 Date & Time Acquired :: 2021-07-07 13:02:29 DataFile Name : 026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1000.81	1021.08	1019.16	1013.68	1.10	ppb
Antimony	121-1	0.02	0.01	0.01	0.01	23.62	ppb
Arsenic	75-2	0.10	0.08	0.11	0.10	17.31	ppb
Barium	135-1	2.39	2.28	2.29	2.32	2.58	ppb
Barium	137-1	2.24	2.32	2.22	2.26	2.36	ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	3.46	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Boron	10-1	52.70	53.03	53.99	53.24	1.26	ppb
Boron	11-1	59.87	59.08	61.38	60.11	1.94	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.13	-0.10	-0.11		ppb
Cadmium	106-1	-4.77	-6.32	-4.62	-5.23		ppb
Cadmium	108-1	-0.08	0.01	0.01	-0.02		ppb
Calcium	43-1	6821.64	6728.81	6811.98	6787.48	0.75	ppb
Calcium	44-1	6700.69	6722.93	6689.31	6704.31	0.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.29	0.23	0.23	0.25	15.22	ppb
Cobalt	59-2	2.54	2.58	2.55	2.56	0.87	ppb
Copper	63-2	7.53	7.49	7.71	7.58	1.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	54-2	3268.34	3252.73	3314.25	3278.44	0.98	ppb
Iron	56-2	3285.18	3288.81	3325.02	3299.67	0.67	ppb
Iron	57-2	3263.79	3307.24	3254.90	3275.31	0.86	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02LDLX50	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	50
Date & Time Acquired ::	2021-07-07 13:02:29	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.15	0.14	0.11	0.13	12.65	ppb
Lead	207-1	0.12	0.13	0.12	0.12	3.68	ppb
Lead	208-1	0.14	0.14	0.12	0.13	6.55	ppb
Lithium	6-1				102		%
Magnesium	24-2	862.61	871.65	878.70	870.99	0.93	ppb
Manganese	55-2	93.09	92.49	92.39	92.66	0.41	ppb
Molybdenum	94-1	0.05	0.06	0.04	0.05	18.70	ppb
Molybdenum	95-1	0.02	0.01	0.02	0.02	30.06	ppb
Molybdenum	96-1	0.03	0.03	0.06	0.04	40.86	ppb
Molybdenum	97-1	0.02	0.01	0.00	0.01	131.33	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	25.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.41	1.38	1.44	1.41	2.20	ppb
Phosphorus	31-2	43.92	12.86	18.27	25.02	66.33	ppb
Potassium	39-2	42.24	38.77	44.36	41.79	6.76	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				95		%
Selenium	82-1	0.34	0.47	0.59	0.47	27.62	ppb
Selenium	77-2	0.80	0.00	4.08	1.63	133.09	ppb
Selenium	78-2	0.52	0.67	-0.26	0.31	161.00	ppb
Silicon	28-1	975.23	939.12	994.47	969.61	2.90	ppb
Silver	107-1	0.00	0.01	0.01	0.01	91.02	ppb
Silver	109-1	0.01	0.00	0.00	0.00	82.91	ppb
Sodium	23-2	1956.05	1925.90	1973.44	1951.80	1.23	ppb
Strontium	86-1	16.19	15.67	15.61	15.82	2.01	ppb
Strontium	88-1	16.20	16.02	15.66	15.96	1.73	ppb
Sulfur	34-1	10964.89	10411.86	10750.74	10709.16	2.60	ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.00	0.00	0.00	301.17	ppb
Thallium	205-1	0.01	0.02	0.02	0.02	17.41	ppb
Tin	118-1	-0.02	-0.03	0.00	-0.02		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02LDLX50	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	50
Date & Time Acquired ::	2021-07-07 13:02:29	DataFile Name :	026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.09	0.15	0.12	0.12	24.33	ppb
Uranium	238-1	0.11	0.10	0.11	0.11	5.57	ppb
Vanadium	51-2	4.35	4.34	4.43	4.37	1.10	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	16.83	17.15	17.68	17.22	2.48	ppb
Zirconium	90-1	0.01	0.02	0.02	0.02	19.19	ppb
Zirconium	91-1	0.03	0.03	0.02	0.02	33.37	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02MSDLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:05:31 DataFile Name : 027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5448.33	5614.95	5610.08	5557.79	1.71	ppb
Antimony	121-1	48.47	48.46	47.29	48.07	1.41	ppb
Arsenic	75-2	48.72	49.51	49.79	49.34	1.13	ppb
Barium	135-1	256.38	254.73	257.68	256.26	0.58	ppb
Barium	137-1	262.82	263.50	255.60	260.64	1.68	ppb
Beryllium	9-1	46.42	46.54	45.69	46.22	0.99	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Boron	10-1	198.93	206.46	216.79	207.40	4.32	ppb
Boron	11-1	223.14	238.21	239.90	233.75	3.95	ppb
Bromine	81-1						cps
Cadmium	111-1	50.84	49.53	49.02	49.79	1.88	ppb
Cadmium	106-1	44.76	44.78	39.97	43.17	6.42	ppb
Cadmium	108-1	49.47	49.72	50.64	49.94	1.23	ppb
Calcium	43-1	35421.26	34907.91	35623.15	35317.44	1.04	ppb
Calcium	44-1	35111.02	34540.34	35233.98	34961.78	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	46.20	47.78	48.39	47.45	2.37	ppb
Cobalt	59-2	57.97	59.87	60.32	59.39	2.10	ppb
Copper	63-2	587.80	613.25	599.05	600.04	2.13	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				100		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	17490.08	17889.06	18158.22	17845.79	1.88	ppb
Iron	56-2	17521.46	17573.24	17449.24	17514.64	0.36	ppb
Iron	57-2	17115.02	17396.66	17425.01	17312.23	0.99	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:05:31	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	233.23	235.95	233.88	234.35	0.61	ppb
Lead	207-1	240.02	241.70	235.96	239.23	1.23	ppb
Lead	208-1	245.78	246.15	242.77	244.90	0.76	ppb
Lithium	6-1				100		%
Magnesium	24-2	8752.80	8867.82	9085.10	8901.91	1.90	ppb
Manganese	55-2	945.07	962.25	966.40	957.90	1.18	ppb
Molybdenum	94-1	533.92	537.57	549.35	540.28	1.49	ppb
Molybdenum	95-1	656.98	676.15	661.82	664.99	1.50	ppb
Molybdenum	96-1	646.92	653.33	651.73	650.66	0.51	ppb
Molybdenum	97-1	657.80	659.78	678.32	665.30	1.70	ppb
Molybdenum	98-1	660.44	652.68	665.76	659.63	1.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	54.28	54.51	55.18	54.66	0.86	ppb
Phosphorus	31-2	125.38	97.59	94.35	105.77	16.13	ppb
Potassium	39-2	2727.06	2805.73	2854.64	2795.81	2.30	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				95		%
Selenium	82-1	48.17	48.71	49.32	48.73	1.18	ppb
Selenium	77-2	52.59	58.72	45.88	52.40	12.25	ppb
Selenium	78-2	49.77	50.49	49.98	50.08	0.74	ppb
Silicon	28-1	4558.16	4484.88	4651.11	4564.72	1.83	ppb
Silver	107-1	48.50	48.66	48.11	48.42	0.58	ppb
Silver	109-1	49.38	48.79	49.12	49.10	0.60	ppb
Sodium	23-2	13228.38	13828.17	13953.97	13670.17	2.84	ppb
Strontium	86-1	526.99	535.86	544.96	535.94	1.68	ppb
Strontium	88-1	525.54	532.76	534.05	530.78	0.86	ppb
Sulfur	34-1	37346.62	37043.10	37904.49	37431.40	1.17	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	44.35	45.85	44.76	44.99	1.72	ppb
Thallium	205-1	44.51	46.69	45.94	45.71	2.43	ppb
Tin	118-1	49.20	49.96	49.26	49.47	0.86	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:05:31	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	469.94	468.70	480.83	473.16	1.41	ppb
Uranium	238-1	44.90	45.53	43.96	44.80	1.76	ppb
Vanadium	51-2	65.30	67.10	68.47	66.95	2.37	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				98		%
Zinc	66-2	603.51	627.49	628.02	619.67	2.26	ppb
Zirconium	90-1	45.85	45.98	46.30	46.04	0.51	ppb
Zirconium	91-1	45.46	45.01	45.58	45.35	0.67	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:08:26	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5726.20	5847.97	5716.78	5763.65	1.27	ppb
Antimony	121-1	47.17	46.89	47.24	47.10	0.40	ppb
Arsenic	75-2	49.98	49.70	49.31	49.66	0.68	ppb
Barium	135-1	254.78	253.08	255.71	254.52	0.53	ppb
Barium	137-1	263.73	258.73	254.30	258.92	1.82	ppb
Beryllium	9-1	45.92	43.47	45.29	44.89	2.84	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Boron	10-1	213.05	213.99	231.85	219.63	4.82	ppb
Boron	11-1	240.24	240.59	259.44	246.76	4.45	ppb
Bromine	81-1						cps
Cadmium	111-1	49.10	48.25	48.97	48.77	0.94	ppb
Cadmium	106-1	44.02	46.54	43.24	44.60	3.87	ppb
Cadmium	108-1	53.42	51.56	51.57	52.18	2.05	ppb
Calcium	43-1	36495.76	36652.57	36055.67	36401.33	0.85	ppb
Calcium	44-1	35768.11	35632.60	35552.42	35651.04	0.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	47.61	48.55	46.63	47.60	2.02	ppb
Cobalt	59-2	60.08	60.79	59.83	60.24	0.82	ppb
Copper	63-2	604.44	618.04	596.03	606.17	1.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	18758.36	19157.31	18606.83	18840.83	1.51	ppb
Iron	56-2	18189.34	18449.14	17686.29	18108.26	2.14	ppb
Iron	57-2	17992.67	18401.91	17885.48	18093.35	1.51	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:08:26	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	231.40	232.52	232.03	231.98	0.24	ppb
Lead	207-1	240.55	236.74	238.25	238.51	0.80	ppb
Lead	208-1	244.36	244.34	240.22	242.97	0.98	ppb
Lithium	6-1				103		%
Magnesium	24-2	9124.80	9219.45	9185.49	9176.58	0.52	ppb
Manganese	55-2	973.66	987.48	968.81	976.65	0.99	ppb
Molybdenum	94-1	558.04	518.85	539.68	538.86	3.64	ppb
Molybdenum	95-1	662.61	644.18	666.76	657.85	1.83	ppb
Molybdenum	96-1	653.18	628.80	645.71	642.57	1.94	ppb
Molybdenum	97-1	672.50	648.22	655.50	658.74	1.89	ppb
Molybdenum	98-1	658.64	645.35	651.10	651.70	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	54.70	56.21	55.39	55.43	1.36	ppb
Phosphorus	31-2	90.34	123.27	116.58	110.07	15.81	ppb
Potassium	39-2	2789.97	2880.27	2767.14	2812.46	2.13	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				96		%
Selenium	82-1	47.83	47.81	47.55	47.73	0.33	ppb
Selenium	77-2	50.10	49.11	50.83	50.01	1.72	ppb
Selenium	78-2	45.22	52.07	46.93	48.07	7.42	ppb
Silicon	28-1	4687.78	4735.71	4633.85	4685.78	1.09	ppb
Silver	107-1	47.96	47.73	47.96	47.88	0.28	ppb
Silver	109-1	48.57	48.68	48.20	48.49	0.52	ppb
Sodium	23-2	14161.95	14181.16	14067.08	14136.73	0.43	ppb
Strontium	86-1	549.70	527.33	539.74	538.92	2.08	ppb
Strontium	88-1	540.34	518.34	533.37	530.68	2.12	ppb
Sulfur	34-1	37711.52	38596.11	38598.50	38302.04	1.34	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	46.16	44.17	44.26	44.86	2.51	ppb
Thallium	205-1	45.89	44.91	44.79	45.20	1.34	ppb
Tin	118-1	48.61	49.32	49.43	49.12	0.91	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:08:26	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	473.24	467.55	465.16	468.65	0.89	ppb
Uranium	238-1	44.83	43.63	44.65	44.37	1.47	ppb
Vanadium	51-2	67.30	68.81	68.31	68.14	1.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	632.89	637.90	620.01	630.27	1.46	ppb
Zirconium	90-1	46.37	45.57	46.25	46.06	0.94	ppb
Zirconium	91-1	45.17	45.08	45.15	45.13	0.11	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02ADLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:11:22 DataFile Name : 029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5628.52	5693.32	5780.77	5700.87	1.34	ppb
Antimony	121-1	49.41	49.44	49.19	49.35	0.28	ppb
Arsenic	75-2	50.76	51.55	50.35	50.89	1.20	ppb
Barium	135-1	263.87	268.31	261.41	264.53	1.32	ppb
Barium	137-1	267.30	271.08	271.23	269.87	0.83	ppb
Beryllium	9-1	45.29	47.55	47.71	46.85	2.89	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Boron	10-1	204.60	233.85	245.77	228.07	9.29	ppb
Boron	11-1	230.91	262.73	273.69	255.78	8.69	ppb
Bromine	81-1						cps
Cadmium	111-1	50.47	51.04	51.03	50.85	0.64	ppb
Cadmium	106-1	43.21	44.94	47.46	45.20	4.72	ppb
Cadmium	108-1	51.90	53.71	52.64	52.75	1.72	ppb
Calcium	43-1	36508.06	36844.12	37644.32	36998.83	1.58	ppb
Calcium	44-1	36124.76	36406.89	36453.54	36328.40	0.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	48.01	48.45	48.56	48.34	0.60	ppb
Cobalt	59-2	60.53	59.70	60.82	60.35	0.96	ppb
Copper	63-2	598.89	618.08	611.69	609.56	1.60	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				101		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	18419.52	18191.77	18686.07	18432.45	1.34	ppb
Iron	56-2	17796.81	17930.08	18204.59	17977.16	1.16	ppb
Iron	57-2	17933.01	17753.89	18140.46	17942.45	1.08	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02ADLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:11:22	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	238.20	243.37	236.76	239.44	1.45	ppb
Lead	207-1	246.44	243.79	244.53	244.92	0.56	ppb
Lead	208-1	251.92	252.92	248.73	251.19	0.87	ppb
Lithium	6-1				101		%
Magnesium	24-2	8993.78	9295.79	9303.92	9197.83	1.92	ppb
Manganese	55-2	958.36	975.58	986.41	973.45	1.45	ppb
Molybdenum	94-1	533.09	548.72	553.54	545.12	1.96	ppb
Molybdenum	95-1	664.46	674.86	685.41	674.91	1.55	ppb
Molybdenum	96-1	640.60	654.65	662.46	652.57	1.70	ppb
Molybdenum	97-1	655.05	683.04	669.71	669.27	2.09	ppb
Molybdenum	98-1	660.52	675.36	682.63	672.84	1.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	54.65	55.53	55.28	55.15	0.82	ppb
Phosphorus	31-2	99.08	144.63	110.62	118.11	20.05	ppb
Potassium	39-2	2779.43	2852.68	2877.06	2836.39	1.79	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	49.20	47.96	50.55	49.24	2.64	ppb
Selenium	77-2	41.12	51.12	48.70	46.98	11.10	ppb
Selenium	78-2	49.53	49.14	51.60	50.09	2.65	ppb
Silicon	28-1	4673.79	4707.01	4858.73	4746.51	2.08	ppb
Silver	107-1	49.17	50.22	50.96	50.12	1.79	ppb
Silver	109-1	50.22	50.83	50.76	50.60	0.66	ppb
Sodium	23-2	13696.16	13974.69	14212.49	13961.11	1.85	ppb
Strontium	86-1	542.66	533.99	555.83	544.16	2.02	ppb
Strontium	88-1	540.38	539.16	550.43	543.32	1.14	ppb
Sulfur	34-1	38743.16	39309.37	39810.89	39287.80	1.36	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	46.23	45.53	45.33	45.70	1.03	ppb
Thallium	205-1	46.66	47.31	46.37	46.78	1.03	ppb
Tin	118-1	50.98	51.29	51.86	51.38	0.87	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02ADLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:11:22	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	479.05	487.21	487.68	484.65	1.00	ppb
Uranium	238-1	45.23	46.78	45.11	45.70	2.04	ppb
Vanadium	51-2	66.86	68.42	68.67	67.98	1.44	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	623.80	622.27	636.67	627.58	1.26	ppb
Zirconium	90-1	46.37	47.39	47.60	47.12	1.40	ppb
Zirconium	91-1	45.02	46.14	46.69	45.95	1.86	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV61	Instrumnet Name :	P8
Client Sample ID :	CCV61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:14:15	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49873.82	51574.48	49345.41	50264.57	2.32	ppb
Antimony	121-1	485.24	477.17	480.24	480.88	0.85	ppb
Arsenic	75-2	485.74	488.58	484.61	486.31	0.42	ppb
Barium	135-1	2472.77	2422.92	2445.32	2447.00	1.02	ppb
Barium	137-1	2401.98	2413.99	2407.60	2407.86	0.25	ppb
Beryllium	9-1	493.05	488.51	504.13	495.23	1.62	ppb
Bismuth	209-1				96		%
Bismuth	209-2				93		%
Boron	10-1	469.62	484.12	513.07	488.94	4.52	ppb
Boron	11-1	524.54	530.52	574.20	543.09	4.99	ppb
Bromine	81-1						cps
Cadmium	111-1	492.96	487.96	490.55	490.49	0.51	ppb
Cadmium	106-1	477.80	482.64	484.69	481.71	0.73	ppb
Cadmium	108-1	495.11	502.88	494.48	497.49	0.94	ppb
Calcium	43-1	245646.48	232489.15	239176.77	239104.13	2.75	ppb
Calcium	44-1	244006.23	231271.38	240131.82	238469.81	2.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	467.51	472.88	461.67	467.35	1.20	ppb
Cobalt	59-2	495.12	478.51	470.68	481.44	2.59	ppb
Copper	63-2	5140.24	5136.80	5039.18	5105.41	1.12	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				101		%
Indium	115-1				96		%
Indium	115-2				92		%
Iron	54-2	124675.86	127174.19	123278.57	125042.87	1.58	ppb
Iron	56-2	126220.15	125338.48	124623.73	125394.12	0.64	ppb
Iron	57-2	126568.11	128266.98	123265.68	126033.59	2.02	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV61	Instrumnet Name :	P8
Client Sample ID :	CCV61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:14:15	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2514.65	2331.15	2438.79	2428.20	3.80	ppb
Lead	207-1	2543.15	2393.24	2482.05	2472.81	3.05	ppb
Lead	208-1	2521.59	2375.92	2467.71	2455.08	3.00	ppb
Lithium	6-1				99		%
Magnesium	24-2	250008.03	251142.86	246308.82	249153.24	1.01	ppb
Manganese	55-2	5111.28	5127.94	5030.82	5090.01	1.02	ppb
Molybdenum	94-1	2444.10	2411.72	2420.17	2425.33	0.69	ppb
Molybdenum	95-1	2436.63	2445.93	2437.76	2440.10	0.21	ppb
Molybdenum	96-1	2411.83	2432.73	2428.51	2424.36	0.46	ppb
Molybdenum	97-1	2440.68	2454.17	2443.22	2446.02	0.29	ppb
Molybdenum	98-1	2460.70	2449.24	2466.55	2458.83	0.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	538.46	539.19	533.86	537.17	0.54	ppb
Phosphorus	31-2	9663.42	9649.72	9534.42	9615.86	0.74	ppb
Potassium	39-2	123489.98	125721.34	122864.79	124025.37	1.21	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				100		%
Scandium	45-2				96		%
Selenium	82-1	474.61	476.21	479.91	476.91	0.57	ppb
Selenium	77-2	487.16	481.48	531.77	500.13	5.51	ppb
Selenium	78-2	489.31	483.59	475.88	482.93	1.40	ppb
Silicon	28-1	488.44	434.12	401.81	441.45	9.92	ppb
Silver	107-1	533.55	540.83	531.20	535.20	0.94	ppb
Silver	109-1	559.34	548.79	539.71	549.28	1.79	ppb
Sodium	23-2	248656.12	250440.00	243900.22	247665.44	1.36	ppb
Strontium	86-1	4917.93	4852.28	4744.41	4838.21	1.81	ppb
Strontium	88-1	4863.16	4850.35	4814.72	4842.74	0.52	ppb
Sulfur	34-1	10857.86	9970.23	9797.95	10208.68	5.57	ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	521.49	475.70	501.45	499.55	4.60	ppb
Thallium	205-1	508.38	465.38	486.49	486.75	4.42	ppb
Tin	118-1	496.10	488.17	482.38	488.88	1.41	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV61	Instrumnet Name :	P8
Client Sample ID :	CCV61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:14:15	DataFile Name :	030CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2482.17	2418.96	2409.74	2436.96	1.62	ppb
Uranium	238-1	516.73	495.42	513.12	508.42	2.24	ppb
Vanadium	51-2	487.90	484.43	480.41	484.25	0.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	5018.34	5040.53	4887.64	4982.17	1.66	ppb
Zirconium	90-1	501.23	493.48	487.36	494.02	1.41	ppb
Zirconium	91-1	497.28	491.14	489.31	492.58	0.85	ppb

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CCB61 Instrumnet Name : P8
 Client Sample ID : CCB61 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 13:23:28 DataFile Name : 031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.46	-0.21	-0.52	-0.40		ppb
Antimony	121-1	0.04	0.04	0.06	0.05	21.79	ppb
Arsenic	75-2	0.00	0.03	0.01	0.01	142.17	ppb
Barium	135-1	0.02	0.01	-0.01	0.01	159.42	ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.02	0.03	0.02	0.02	19.56	ppb
Bismuth	209-1				94		%
Bismuth	209-2				99		%
Boron	10-1	11.91	15.45	11.41	12.92	17.02	ppb
Boron	11-1	13.99	18.61	13.33	15.31	18.78	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.15	-0.17	-0.14	-0.15		ppb
Cadmium	106-1	-6.16	-7.01	-5.91	-6.36		ppb
Cadmium	108-1	0.04	0.02	0.09	0.05	65.62	ppb
Calcium	43-1	-1.71	-0.42	-1.04	-1.06		ppb
Calcium	44-1	-10.72	1.56	-7.49	-5.55		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.02	0.02	0.03	65.09	ppb
Cobalt	59-2	0.00	0.01	0.01	0.01	46.89	ppb
Copper	63-2	-0.14	-0.12	-0.11	-0.12		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				98		%
Indium	115-1				93		%
Indium	115-2				95		%
Iron	54-2	0.78	0.31	0.81	0.64	43.87	ppb
Iron	56-2	0.17	0.14	-0.02	0.10	104.23	ppb
Iron	57-2	-0.22	-0.09	-0.81	-0.37		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB61	Instrumnet Name :	P8
Client Sample ID :	CCB61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:23:28	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.08	0.10	0.09	0.09	11.99	ppb
Lead	207-1	0.03	0.09	0.05	0.06	53.51	ppb
Lead	208-1	0.06	0.11	0.06	0.08	31.57	ppb
Lithium	6-1				92		%
Magnesium	24-2	0.41	0.20	0.08	0.23	74.17	ppb
Manganese	55-2	-0.01	0.02	0.02	0.01	237.98	ppb
Molybdenum	94-1	0.02	0.02	0.01	0.01	57.37	ppb
Molybdenum	95-1	0.02	0.05	0.01	0.03	75.09	ppb
Molybdenum	96-1	0.02	0.02	0.01	0.02	42.83	ppb
Molybdenum	97-1	0.01	0.01	0.02	0.02	44.10	ppb
Molybdenum	98-1	0.02	0.03	0.02	0.02	39.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.01	0.00	0.00		ppb
Phosphorus	31-2	-13.69	-13.77	14.79	-4.22		ppb
Potassium	39-2	-15.13	-22.70	-23.14	-20.32		ppb
Rhodium	103-1				92		%
Rhodium	103-2				97		%
Scandium	45-1				91		%
Scandium	45-2				95		%
Selenium	82-1	-0.23	-0.99	-0.15	-0.46		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.10	-1.07	-0.40	-0.45		ppb
Silicon	28-1	-150.69	271.92	-30.69	30.18	721.60	ppb
Silver	107-1	0.01	0.02	0.02	0.02	39.78	ppb
Silver	109-1	0.01	0.02	0.02	0.02	28.81	ppb
Sodium	23-2	-65.93	-74.07	-76.64	-72.21		ppb
Strontium	86-1	0.00	0.23	0.05	0.09	133.09	ppb
Strontium	88-1	0.00	0.01	0.01	0.00	200.25	ppb
Sulfur	34-1	-1056.06	1414.75	-356.17	0.84	151627.60	ppb
Terbium	159-1				93		%
Terbium	159-2				99		%
Thallium	203-1	0.02	0.07	0.04	0.04	55.04	ppb
Thallium	205-1	0.03	0.06	0.04	0.04	36.74	ppb
Tin	118-1	-0.03	0.01	-0.03	-0.02		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB61	Instrumnet Name :	P8
Client Sample ID :	CCB61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:23:28	DataFile Name :	031CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.02	0.04	0.02	0.01	260.02	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	87.58	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				91		%
Yttrium	89-2				96		%
Zinc	66-2	-0.02	0.06	-0.07	-0.01		ppb
Zirconium	90-1	-0.02	-0.01	-0.01	-0.01		ppb
Zirconium	91-1	0.00	0.03	0.01	0.02	89.69	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-04DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:26:30	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2711.78	2762.59	2772.50	2748.96	1.18	ppb
Antimony	121-1	0.02	0.02	0.05	0.03	54.45	ppb
Arsenic	75-2	0.22	0.33	0.21	0.25	26.93	ppb
Barium	135-1	11.09	10.95	10.74	10.92	1.62	ppb
Barium	137-1	11.07	11.31	11.06	11.15	1.27	ppb
Beryllium	9-1	0.07	0.06	0.07	0.07	8.79	ppb
Bismuth	209-1				102		%
Bismuth	209-2				99		%
Boron	10-1	130.55	143.50	151.26	141.77	7.38	ppb
Boron	11-1	147.81	160.23	171.90	159.98	7.53	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.07	-0.02	-0.03	-0.04		ppb
Cadmium	106-1	-6.64	-3.93	-3.88	-4.82		ppb
Cadmium	108-1	0.07	-0.03	0.04	0.03	181.30	ppb
Calcium	43-1	31944.74	32624.00	32210.87	32259.87	1.06	ppb
Calcium	44-1	31287.77	32225.20	31911.44	31808.13	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.80	0.80	0.89	0.83	6.14	ppb
Cobalt	59-2	11.80	11.89	12.00	11.90	0.85	ppb
Copper	63-2	34.90	34.76	34.99	34.89	0.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	54-2	10648.62	10940.93	11010.98	10866.84	1.77	ppb
Iron	56-2	10960.06	10948.01	11082.82	10996.97	0.68	ppb
Iron	57-2	10787.06	10892.06	10915.24	10864.79	0.63	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-04DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:26:30	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.22	0.22	0.21	0.22	2.59	ppb
Lead	207-1	0.24	0.22	0.18	0.21	14.05	ppb
Lead	208-1	0.22	0.22	0.21	0.21	3.63	ppb
Lithium	6-1				98		%
Magnesium	24-2	2910.29	2942.17	3003.55	2952.00	1.61	ppb
Manganese	55-2	432.86	434.14	440.16	435.72	0.89	ppb
Molybdenum	94-1	0.19	0.20	0.17	0.19	6.86	ppb
Molybdenum	95-1	0.04	0.05	0.05	0.05	10.24	ppb
Molybdenum	96-1	0.14	0.15	0.16	0.15	8.34	ppb
Molybdenum	97-1	0.04	0.05	0.03	0.04	30.93	ppb
Molybdenum	98-1	0.04	0.04	0.02	0.03	43.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.62	5.62	5.74	5.66	1.18	ppb
Phosphorus	31-2	19.49	48.42	22.96	30.29	52.16	ppb
Potassium	39-2	248.32	272.58	271.51	264.13	5.19	ppb
Rhodium	103-1				99		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				96		%
Selenium	82-1	0.29	0.56	0.08	0.31	76.43	ppb
Selenium	77-2	7.86	3.15	0.00	3.67	107.77	ppb
Selenium	78-2	-0.31	1.52	1.32	0.85	118.88	ppb
Silicon	28-1	4195.60	4294.52	4200.98	4230.37	1.31	ppb
Silver	107-1	0.01	0.01	0.01	0.01	11.84	ppb
Silver	109-1	0.02	0.01	0.01	0.01	48.28	ppb
Sodium	23-2	7004.98	7045.47	7237.04	7095.83	1.75	ppb
Strontium	86-1	73.44	73.91	73.89	73.75	0.37	ppb
Strontium	88-1	74.10	74.05	73.94	74.03	0.11	ppb
Sulfur	34-1	33265.83	33042.14	32883.62	33063.86	0.58	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.02	0.05	0.03	0.04	44.49	ppb
Thallium	205-1	0.02	0.03	0.04	0.03	26.03	ppb
Tin	118-1	0.01	0.01	0.02	0.01	70.33	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-04DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:26:30	DataFile Name :	032AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.99	0.85	0.83	0.89	9.55	ppb
Uranium	238-1	0.35	0.37	0.36	0.36	3.69	ppb
Vanadium	51-2	6.38	6.60	6.42	6.47	1.80	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	80.61	80.02	80.55	80.39	0.40	ppb
Zirconium	90-1	0.10	0.11	0.11	0.11	7.57	ppb
Zirconium	91-1	0.10	0.13	0.10	0.11	16.52	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV62	Instrumnet Name :	P8
Client Sample ID :	CCV62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:44:55	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50190.80	50558.03	49714.61	50154.48	0.84	ppb
Antimony	121-1	470.73	491.46	484.63	482.27	2.19	ppb
Arsenic	75-2	484.72	480.83	473.68	479.74	1.17	ppb
Barium	135-1	2398.20	2499.40	2425.94	2441.18	2.14	ppb
Barium	137-1	2429.32	2522.29	2425.51	2459.04	2.23	ppb
Beryllium	9-1	476.33	489.06	467.59	477.66	2.26	ppb
Bismuth	209-1				96		%
Bismuth	209-2				90		%
Boron	10-1	459.08	497.59	488.84	481.84	4.19	ppb
Boron	11-1	504.00	532.26	556.57	530.94	4.96	ppb
Bromine	81-1						cps
Cadmium	111-1	456.62	474.93	466.40	465.98	1.97	ppb
Cadmium	106-1	456.02	468.96	470.83	465.27	1.73	ppb
Cadmium	108-1	468.43	479.29	465.10	470.94	1.58	ppb
Calcium	43-1	233973.75	242018.19	233080.20	236357.38	2.08	ppb
Calcium	44-1	231236.40	241608.75	234098.23	235647.79	2.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	469.57	472.06	469.34	470.32	0.32	ppb
Cobalt	59-2	489.15	486.27	490.06	488.50	0.41	ppb
Copper	63-2	5124.30	5242.40	5146.32	5171.01	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				102		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	54-2	127308.06	125814.32	123500.51	125540.96	1.53	ppb
Iron	56-2	125327.06	126671.69	125062.71	125687.16	0.69	ppb
Iron	57-2	127743.85	126456.51	128274.20	127491.52	0.73	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV62	Instrumnet Name :	P8
Client Sample ID :	CCV62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:44:55	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2448.31	2421.95	2532.69	2467.65	2.34	ppb
Lead	207-1	2396.88	2413.09	2508.63	2439.54	2.48	ppb
Lead	208-1	2410.84	2426.06	2509.57	2448.82	2.17	ppb
Lithium	6-1				100		%
Magnesium	24-2	248768.39	250341.97	250503.96	249871.44	0.38	ppb
Manganese	55-2	4936.79	4915.85	4893.40	4915.35	0.44	ppb
Molybdenum	94-1	2380.00	2499.77	2402.33	2427.37	2.62	ppb
Molybdenum	95-1	2382.55	2470.68	2376.55	2409.93	2.19	ppb
Molybdenum	96-1	2380.53	2490.01	2420.90	2430.48	2.28	ppb
Molybdenum	97-1	2373.49	2472.54	2412.85	2419.63	2.06	ppb
Molybdenum	98-1	2358.30	2457.48	2386.29	2400.69	2.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	483.52	480.70	477.43	480.55	0.63	ppb
Phosphorus	31-2	9655.90	9946.03	9563.04	9721.65	2.06	ppb
Potassium	39-2	122880.16	124653.17	124535.22	124022.85	0.80	ppb
Rhodium	103-1				93		%
Rhodium	103-2				90		%
Scandium	45-1				101		%
Scandium	45-2				97		%
Selenium	82-1	452.86	468.71	457.30	459.62	1.78	ppb
Selenium	77-2	508.03	487.13	454.48	483.21	5.59	ppb
Selenium	78-2	479.38	478.38	465.52	474.43	1.63	ppb
Silicon	28-1	470.61	534.92	527.25	510.92	6.88	ppb
Silver	107-1	479.74	490.28	477.06	482.36	1.45	ppb
Silver	109-1	469.67	502.20	489.13	487.00	3.36	ppb
Sodium	23-2	246557.44	245522.89	247866.00	246648.78	0.48	ppb
Strontium	86-1	4743.35	4896.56	4755.97	4798.63	1.77	ppb
Strontium	88-1	4774.58	4948.24	4696.37	4806.40	2.68	ppb
Sulfur	34-1	10357.13	11103.19	10295.94	10585.42	4.25	ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	488.81	496.85	503.54	496.40	1.49	ppb
Thallium	205-1	479.57	490.77	506.42	492.25	2.74	ppb
Tin	118-1	474.39	494.63	490.95	486.66	2.22	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV62	Instrumnet Name :	P8
Client Sample ID :	CCV62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:44:55	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2381.14	2471.79	2429.38	2427.44	1.87	ppb
Uranium	238-1	487.74	500.91	505.93	498.19	1.89	ppb
Vanadium	51-2	483.55	486.48	484.22	484.75	0.32	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	5009.32	5078.89	5114.99	5067.73	1.06	ppb
Zirconium	90-1	482.32	496.29	484.43	487.68	1.54	ppb
Zirconium	91-1	474.63	501.50	486.58	487.57	2.76	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB62	Instrumnet Name :	P8
Client Sample ID :	CCB62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:54:24	DataFile Name :	037CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.39	-0.40	-0.09	-0.29		ppb
Antimony	121-1	0.04	0.07	0.09	0.06	40.16	ppb
Arsenic	75-2	0.01	0.00	0.02	0.01	83.90	ppb
Barium	135-1	-0.01	0.00	0.04	0.01	240.45	ppb
Barium	137-1	0.00	-0.01	0.02	0.01	292.99	ppb
Beryllium	9-1	0.04	0.03	0.02	0.03	28.99	ppb
Bismuth	209-1				97		%
Bismuth	209-2				98		%
Boron	10-1	13.87	15.04	15.66	14.86	6.10	ppb
Boron	11-1	15.58	15.66	17.22	16.16	5.73	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.16	-0.10	-0.11	-0.12		ppb
Cadmium	106-1	-6.40	-4.25	-5.12	-5.26		ppb
Cadmium	108-1	0.06	0.06	-0.03	0.03	162.34	ppb
Calcium	43-1	-2.78	-1.90	1.05	-1.21		ppb
Calcium	44-1	-8.98	-5.61	0.44	-4.72		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	0.00	-0.01	0.00	638.43	ppb
Cobalt	59-2	0.01	0.00	0.01	0.01	56.42	ppb
Copper	63-2	-0.13	-0.13	-0.11	-0.12		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				98		%
Indium	115-1				96		%
Indium	115-2				95		%
Iron	54-2	0.34	0.97	-0.08	0.41	128.20	ppb
Iron	56-2	0.45	0.19	0.20	0.28	52.14	ppb
Iron	57-2	-0.65	-0.40	-0.39	-0.48		ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB62	Instrumnet Name :	P8
Client Sample ID :	CCB62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:54:24	DataFile Name :	037CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.11	0.15	0.13	0.13	16.07	ppb
Lead	207-1	0.12	0.12	0.16	0.13	15.37	ppb
Lead	208-1	0.12	0.14	0.16	0.14	13.61	ppb
Lithium	6-1				96		%
Magnesium	24-2	1.24	0.27	0.33	0.62	88.35	ppb
Manganese	55-2	0.00	0.01	0.00	0.01	134.92	ppb
Molybdenum	94-1	0.01	0.00	0.06	0.02	155.88	ppb
Molybdenum	95-1	0.01	0.01	0.04	0.02	81.43	ppb
Molybdenum	96-1	0.03	0.01	0.04	0.03	66.21	ppb
Molybdenum	97-1	0.02	0.02	0.02	0.02	16.17	ppb
Molybdenum	98-1	0.04	0.02	0.05	0.03	50.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.02	-0.01	-0.01		ppb
Phosphorus	31-2	13.15	-3.70	20.04	9.83	124.28	ppb
Potassium	39-2	-16.36	-17.57	-16.81	-16.92		ppb
Rhodium	103-1				94		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	1.43	-0.14	0.01	0.43	200.81	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.20	0.05	-0.94	-0.37		ppb
Silicon	28-1	-78.13	-11.63	158.87	23.04	530.64	ppb
Silver	107-1	0.02	0.01	0.05	0.03	69.84	ppb
Silver	109-1	0.02	0.02	0.06	0.03	69.97	ppb
Sodium	23-2	-66.41	-73.67	-69.51	-69.86		ppb
Strontium	86-1	0.02	0.04	0.21	0.09	115.34	ppb
Strontium	88-1	0.01	0.01	0.05	0.02	113.10	ppb
Sulfur	34-1	-897.41	-635.03	184.64	-449.27		ppb
Terbium	159-1				95		%
Terbium	159-2				99		%
Thallium	203-1	0.03	0.09	0.08	0.07	47.04	ppb
Thallium	205-1	0.06	0.07	0.08	0.07	18.88	ppb
Tin	118-1	-0.02	0.01	0.03	0.01	331.35	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB62	Instrumnet Name :	P8
Client Sample ID :	CCB62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:54:24	DataFile Name :	037CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.00	-0.05	0.08	0.01	685.30	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	302.81	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				98		%
Zinc	66-2	0.04	0.12	-0.09	0.02	497.33	ppb
Zirconium	90-1	-0.01	0.00	0.00	-0.01		ppb
Zirconium	91-1	0.02	0.02	0.05	0.03	52.37	ppb

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:04:08	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	136	134	137	136	1.41	cps
Antimony	121-1	58	67	58	61	7.88	cps
Arsenic	75-2	5	6	0	4	87.67	cps
Barium	135-1	25	17	17	19	24.73	cps
Barium	137-1	75	42	42	53	36.46	cps
Beryllium	9-1	36	38	16	30	40.54	cps
Bismuth	209-1	6027910	6192084	6052731	6090908	1.45	cps
Bismuth	209-2	3241892	3176313	3259987	3226064	1.36	cps
Boron	10-1	1782	1866	1790	1812	2.56	cps
Boron	11-1	8059	8047	7807	7971	1.78	cps
Bromine	81-1	27074	26924	27525	27174	1.15	cps
Cadmium	111-1	1225	1235	1246	1235	0.83	cps
Cadmium	106-1	6168	6202	6310	6227	1.19	cps
Cadmium	108-1	42	25	29	32	27.15	cps
Calcium	43-1	276	312	290	292	6.24	cps
Calcium	44-1	31734	31770	31841	31782	0.17	cps
Carbon	12-1	5136545	5013766	4978805	5043039	1.64	cps
Carbon	12-2	55012	52678	54912	54200	2.43	cps
Chlorine	35-1	1009108	1026667	1018658	1018144	0.86	cps
Chlorine	35-2	6944	6969	6952	6955	0.18	cps
Chromium	52-2	793	747	843	794	6.09	cps
Cobalt	59-2	30	47	43	40	22.05	cps
Copper	63-2	1483	1313	1490	1429	7.01	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	83	50	150	94	53.91	cps
Erbium	164-2	20	23	37	27	33.08	cps
Gadolinium	160-1	50	100	133	94	44.41	cps
Gadolinium	160-2	57	53	50	53	6.25	cps
Holmium	165-1	10572018	10850064	11042935	10821673	2.19	cps
Holmium	165-2	4732518	4643134	4701338	4692330	0.97	cps
Indium	115-1	10009310	9793470	10019666	9940815	1.28	cps
Indium	115-2	1542293	1531173	1520303	1531257	0.72	cps
Iron	54-2	356	439	389	394	10.63	cps
Iron	56-2	2484	2767	2706	2652	5.62	cps
Iron	57-2	72	89	61	74	18.88	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:04:08	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	983	1060	917	987	7.27	cps
Lead	206-1	544	478	511	511	6.52	cps
Lead	207-1	444	539	578	520	13.18	cps
Lead	208-1	2250	2200	2133	2195	2.67	cps
Lithium	6-1	5794598	5606518	5640737	5680618	1.76	cps
Magnesium	24-2	100	167	242	169	41.83	cps
Manganese	55-2	43	50	33	42	19.87	cps
Molybdenum	94-1	308	350	267	308	13.52	cps
Molybdenum	95-1	17	17	33	22	43.28	cps
Molybdenum	96-1	167	150	133	150	11.11	cps
Molybdenum	97-1	17	17	8	14	34.67	cps
Molybdenum	98-1	42	50	75	56	31.22	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	60	33	50	48	28.20	cps
Phosphorus	31-2	117	100	67	94	26.96	cps
Potassium	39-2	25991	25106	25640	25579	1.74	cps
Rhodium	103-1	9365630	9482736	9614886	9487751	1.31	cps
Rhodium	103-2	4155236	4195457	4196928	4182540	0.57	cps
Scandium	45-1	7601242	7466536	7558885	7542221	0.91	cps
Scandium	45-2	226736	223606	228198	226180	1.04	cps
Selenium	82-1	1	-67	57	-3	-2150.71	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	47	48	54	50	7.63	cps
Silicon	28-1	9012201	8944137	9086707	9014348	0.79	cps
Silver	107-1	133	92	125	117	18.90	cps
Silver	109-1	33	42	33	36	13.33	cps
Sodium	23-2	91964	90162	91311	91146	1.00	cps
Strontium	86-1	1408	1583	1834	1608	13.28	cps
Strontium	88-1	500	608	600	569	10.59	cps
Sulfur	34-1	457241	454700	455431	455791	0.29	cps
Terbium	159-1	11500372	11566936	11453337	11506882	0.50	cps
Terbium	159-2	4677198	4658511	4670227	4668645	0.20	cps
Thallium	203-1	642	517	683	614	14.13	cps
Thallium	205-1	1325	1500	1475	1433	6.60	cps
Tin	118-1	1042	1075	1192	1103	7.14	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:04:08	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	208	175	233	206	14.24	cps
Uranium	238-1	25	17	0	14	91.65	cps
Vanadium	51-2	13	13	7	11	34.61	cps
Ytterbium	172-1	33	0	75	36	104.06	cps
Ytterbium	172-2	0	0	22	7	173.21	cps
Ytterbium	176-1	2234	2042	2117	2131	4.53	cps
Ytterbium	176-2	2222	1922	1811	1985	10.71	cps
Yttrium	89-1	16777897	16642094	16577441	16665811	0.61	cps
Yttrium	89-2	1787145	1812618	1822351	1807371	1.01	cps
Zinc	66-2	283	350	283	306	12.60	cps
Zirconium	90-1	1175	983	950	1036	11.72	cps
Zirconium	91-1	192	142	192	175	16.50	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : S1 Instrumnet Name : P8
 Client Sample ID : S1 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 11:07:14 DataFile Name : 004CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	247	250	266	255	4.00	cps
Antimony	121-1	1467	1483	1633	1528	6.01	cps
Arsenic	75-2	28	26	31	28	8.88	cps
Barium	135-1	1809	1817	1850	1825	1.21	cps
Barium	137-1	3009	3301	3159	3156	4.62	cps
Beryllium	9-1	358	330	330	339	4.76	cps
Bismuth	209-1	6199316	6145197	5989876	6111463	1.78	cps
Bismuth	209-2	3250290	3248575	3270908	3256591	0.38	cps
Boron	10-1	2402	2522	2488	2470	2.50	cps
Boron	11-1	10858	10968	10754	10860	0.99	cps
Bromine	81-1	27575	26532	26883	26997	1.97	cps
Cadmium	111-1	1378	1522	1309	1403	7.76	cps
Cadmium	106-1	6210	6744	5951	6302	6.41	cps
Cadmium	108-1	38	38	63	46	31.49	cps
Calcium	43-1	2237	2127	2163	2175	2.58	cps
Calcium	44-1	62023	62201	62175	62133	0.15	cps
Carbon	12-1	5123245	5231944	5315670	5223620	1.85	cps
Carbon	12-2	57195	58358	58526	58026	1.25	cps
Chlorine	35-1	1040051	1031425	1031331	1034269	0.48	cps
Chlorine	35-2	7160	7535	7110	7269	3.20	cps
Chromium	52-2	Rejected	Rejected	Rejected			cps
Cobalt	59-2	453	483	420	452	7.01	cps
Copper	63-2	Rejected	Rejected	Rejected			cps
Dysprosium	156-1	0	0	8	3	173.21	cps
Dysprosium	156-2	0	3	10	4	114.60	cps
Erbium	164-1	83	75	67	75	11.11	cps
Erbium	164-2	27	30	37	31	16.37	cps
Gadolinium	160-1	92	67	83	81	15.80	cps
Gadolinium	160-2	27	47	40	38	26.95	cps
Holmium	165-1	10747796	10976245	10722762	10815601	1.29	cps
Holmium	165-2	4737413	4747758	4591229	4692133	1.87	cps
Indium	115-1	10224855	9894912	9786826	9968864	2.29	cps
Indium	115-2	1527849	1522244	1518720	1522938	0.30	cps
Iron	54-2	1178	1150	1267	1198	5.09	cps
Iron	56-2	16615	15814	15770	16067	2.96	cps
Iron	57-2	Rejected	Rejected	Rejected			cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S1	Instrumnet Name :	P8
Client Sample ID :	S1	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:07:14	DataFile Name :	004CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1030	893	1157	1027	12.83	cps
Lead	206-1	1289	1078	1128	1165	9.47	cps
Lead	207-1	989	1033	995	1006	2.41	cps
Lead	208-1	4639	4573	4617	4610	0.74	cps
Lithium	6-1	5756623	5870371	5612673	5746556	2.25	cps
Magnesium	24-2	9111	8986	9103	9067	0.77	cps
Manganese	55-2	Rejected	Rejected	Rejected			cps
Molybdenum	94-1	2167	1884	1917	1989	7.79	cps
Molybdenum	95-1	2250	2009	2000	2086	6.81	cps
Molybdenum	96-1	2300	2509	2392	2400	4.35	cps
Molybdenum	97-1	1358	1267	1317	1314	3.49	cps
Molybdenum	98-1	3467	3484	3526	3492	0.86	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	Rejected	Rejected	Rejected			cps
Phosphorus	31-2	75	125	117	106	25.38	cps
Potassium	39-2	32312	31727	33556	32532	2.87	cps
Rhodium	103-1	9865050	9676092	9393494	9644879	2.46	cps
Rhodium	103-2	4228048	4141181	4222814	4197348	1.16	cps
Scandium	45-1	7756494	7809825	7686446	7750922	0.80	cps
Scandium	45-2	227743	223600	227079	226141	0.98	cps
Selenium	82-1	Rejected	Rejected	Rejected			cps
Selenium	77-2	7	0	3	3	100.05	cps
Selenium	78-2	54	57	58	56	3.69	cps
Silicon	28-1	8938005	8950068	8995655	8961243	0.34	cps
Silver	107-1	975	917	900	931	4.23	cps
Silver	109-1	767	850	975	864	12.14	cps
Sodium	23-2	108477	107586	107956	108007	0.41	cps
Strontium	86-1	2125	1950	1942	2006	5.16	cps
Strontium	88-1	2984	3009	3000	2998	0.42	cps
Sulfur	34-1	453242	449130	454728	452367	0.64	cps
Terbium	159-1	11525431	11657164	11428277	11536957	1.00	cps
Terbium	159-2	4772802	4725064	4750630	4749499	0.50	cps
Thallium	203-1	1142	1158	1258	1186	5.32	cps
Thallium	205-1	2675	2575	2934	2728	6.78	cps
Tin	118-1	4401	4793	4634	4609	4.28	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S1	Instrumnet Name :	P8
Client Sample ID :	S1	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:07:14	DataFile Name :	004CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	942	942	850	911	5.81	cps
Uranium	238-1	1817	1500	1917	1745	12.47	cps
Vanadium	51-2	923	833	807	854	7.15	cps
Ytterbium	172-1	17	17	25	19	24.73	cps
Ytterbium	172-2	17	11	11	13	24.76	cps
Ytterbium	176-1	2434	2050	1917	2134	12.57	cps
Ytterbium	176-2	1445	1595	1639	1559	6.53	cps
Yttrium	89-1	17150274	16971856	16668195	16930109	1.44	cps
Yttrium	89-2	1798975	1827280	1827805	1818020	0.91	cps
Zinc	66-2	Rejected	Rejected	Rejected			cps
Zirconium	90-1	2434	2259	2392	2361	3.87	cps
Zirconium	91-1	450	525	517	497	8.27	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:10:18	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1500	1465	1425	1463	2.56	cps
Antimony	121-1	14233	14316	13490	14013	3.24	cps
Arsenic	75-2	230	235	219	228	3.59	cps
Barium	135-1	18697	19072	19172	18980	1.32	cps
Barium	137-1	31345	31830	33149	32108	2.91	cps
Beryllium	9-1	3106	3212	3198	3172	1.82	cps
Bismuth	209-1	6048959	5913535	5967028	5976507	1.14	cps
Bismuth	209-2	3302604	3210689	3189086	3234126	1.86	cps
Boron	10-1	8219	8805	9121	8715	5.25	cps
Boron	11-1	37218	38847	40518	38861	4.25	cps
Bromine	81-1	25610	27476	27435	26840	3.97	cps
Cadmium	111-1	3144	3163	3118	3142	0.73	cps
Cadmium	106-1	6643	6527	6602	6591	0.90	cps
Cadmium	108-1	163	179	171	171	4.88	cps
Calcium	43-1	15052	15352	14912	15105	1.49	cps
Calcium	44-1	273924	275342	270871	273379	0.84	cps
Carbon	12-1	5213145	5359326	5370308	5314260	1.65	cps
Carbon	12-2	59529	58760	58149	58813	1.18	cps
Chlorine	35-1	1031922	1038995	1032361	1034426	0.38	cps
Chlorine	35-2	7144	7169	7135	7149	0.24	cps
Chromium	52-2	5214	5311	5321	5282	1.12	cps
Cobalt	59-2	4227	4067	4311	4202	2.94	cps
Copper	63-2	7098	6972	6878	6983	1.58	cps
Dysprosium	156-1	8	0	0	3	173.21	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	58	142	75	92	48.10	cps
Erbium	164-2	43	20	30	31	37.62	cps
Gadolinium	160-1	142	67	75	94	43.53	cps
Gadolinium	160-2	33	33	53	40	28.87	cps
Holmium	165-1	11068402	10805008	10791984	10888465	1.43	cps
Holmium	165-2	4708432	4670103	4665799	4681445	0.50	cps
Indium	115-1	10142552	10077525	10086772	10102283	0.35	cps
Indium	115-2	1537599	1499465	1512375	1516480	1.28	cps
Iron	54-2	5996	5785	5640	5807	3.08	cps
Iron	56-2	96166	95523	95031	95573	0.60	cps
Iron	57-2	2395	2278	2567	2413	6.02	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:10:18	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1050	1070	1100	1073	2.35	cps
Lead	206-1	5223	5340	5401	5322	1.70	cps
Lead	207-1	4501	4484	4745	4577	3.19	cps
Lead	208-1	20774	21168	20879	20940	0.98	cps
Lithium	6-1	5766232	5845113	5696218	5769188	1.29	cps
Magnesium	24-2	90908	91495	91436	91280	0.35	cps
Manganese	55-2	1363	1263	1247	1291	4.89	cps
Molybdenum	94-1	17420	17044	17553	17339	1.52	cps
Molybdenum	95-1	20282	21342	20991	20872	2.59	cps
Molybdenum	96-1	23262	23729	23020	23337	1.55	cps
Molybdenum	97-1	12756	13165	13724	13215	3.68	cps
Molybdenum	98-1	33524	32196	33608	33110	2.39	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	1110	1353	1213	1226	9.97	cps
Phosphorus	31-2	125	108	133	122	10.41	cps
Potassium	39-2	92379	89569	89200	90383	1.92	cps
Rhodium	103-1	9713404	9514263	9501597	9576422	1.24	cps
Rhodium	103-2	4160399	4119898	4214675	4164991	1.14	cps
Scandium	45-1	7750178	7622813	7509511	7627500	1.58	cps
Scandium	45-2	230488	225728	225547	227254	1.23	cps
Selenium	82-1	803	724	767	765	5.19	cps
Selenium	77-2	33	37	17	29	37.08	cps
Selenium	78-2	143	140	144	142	1.46	cps
Silicon	28-1	9162371	9066805	9105011	9111396	0.53	cps
Silver	107-1	9595	10287	9612	9832	4.02	cps
Silver	109-1	9537	9428	9362	9442	0.94	cps
Sodium	23-2	264110	262185	262745	263014	0.38	cps
Strontium	86-1	4743	4443	4743	4643	3.73	cps
Strontium	88-1	23971	24322	24789	24361	1.68	cps
Sulfur	34-1	452090	454474	450042	452202	0.49	cps
Terbium	159-1	11597961	11449003	11554334	11533766	0.66	cps
Terbium	159-2	4788569	4632398	4636066	4685677	1.90	cps
Thallium	203-1	6744	6393	6493	6543	2.76	cps
Thallium	205-1	15193	15226	15601	15340	1.48	cps
Tin	118-1	32907	33408	32264	32859	1.75	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:10:18	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7060	7052	7427	7180	2.98	cps
Uranium	238-1	17087	16829	17246	17054	1.23	cps
Vanadium	51-2	9316	8846	9176	9113	2.65	cps
Ytterbium	172-1	42	50	33	42	20.00	cps
Ytterbium	172-2	33	6	22	20	68.62	cps
Ytterbium	176-1	1917	2117	1867	1967	6.73	cps
Ytterbium	176-2	1378	1333	1300	1337	2.92	cps
Yttrium	89-1	17026856	16505880	16913437	16815391	1.63	cps
Yttrium	89-2	1803956	1772642	1834285	1803627	1.71	cps
Zinc	66-2	1257	993	1193	1148	11.98	cps
Zirconium	90-1	14825	15109	15217	15050	1.35	cps
Zirconium	91-1	3542	2959	3159	3220	9.21	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:13:23	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	62839	62211	61190	62080	1.34	cps
Antimony	121-1	346883	344459	338359	343234	1.28	cps
Arsenic	75-2	10620	10297	10488	10468	1.55	cps
Barium	135-1	434630	451298	438722	441550	1.97	cps
Barium	137-1	763658	761992	771650	765767	0.67	cps
Beryllium	9-1	149977	149490	147788	149085	0.77	cps
Bismuth	209-1	6190814	6010964	6341288	6181022	2.68	cps
Bismuth	209-2	3240769	3105667	3191136	3179191	2.15	cps
Boron	10-1	15609	16622	17559	16597	5.88	cps
Boron	11-1	67806	73790	76416	72671	6.07	cps
Bromine	81-1	27044	25880	27786	26903	3.57	cps
Cadmium	111-1	94842	94916	94133	94631	0.46	cps
Cadmium	106-1	16285	16502	16368	16385	0.67	cps
Cadmium	108-1	7456	7460	7640	7519	1.39	cps
Calcium	43-1	142812	142141	141506	142153	0.46	cps
Calcium	44-1	2321584	2391234	2386204	2366341	1.64	cps
Carbon	12-1	5264904	5301671	5236239	5267604	0.62	cps
Carbon	12-2	57965	57396	56333	57231	1.45	cps
Chlorine	35-1	1043012	1039533	1037249	1039931	0.28	cps
Chlorine	35-2	7077	7369	7219	7221	2.02	cps
Chromium	52-2	108948	109196	106785	108309	1.22	cps
Cobalt	59-2	193784	194100	193211	193698	0.23	cps
Copper	63-2	1432848	1432517	1426215	1430527	0.26	cps
Dysprosium	156-1	25	50	25	33	43.30	cps
Dysprosium	156-2	27	17	3	16	75.27	cps
Erbium	164-1	67	50	58	58	14.29	cps
Erbium	164-2	27	27	30	28	6.92	cps
Gadolinium	160-1	100	117	167	128	27.15	cps
Gadolinium	160-2	57	53	37	49	21.91	cps
Holmium	165-1	10967816	11021917	10989521	10993085	0.25	cps
Holmium	165-2	4686339	4594388	4674943	4651890	1.08	cps
Indium	115-1	10012902	9789756	10166355	9989671	1.90	cps
Indium	115-2	1522289	1514700	1501546	1512845	0.69	cps
Iron	54-2	244525	245429	243526	244493	0.39	cps
Iron	56-2	4478341	4445849	4399276	4441156	0.89	cps
Iron	57-2	108952	109416	108018	108795	0.65	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:13:23	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1107	987	1040	1044	5.76	cps
Lead	206-1	1144235	1148174	1135216	1142542	0.58	cps
Lead	207-1	1006165	1002821	999879	1002955	0.31	cps
Lead	208-1	4731341	4747946	4694036	4724441	0.58	cps
Lithium	6-1	5746024	5664680	5752701	5721135	0.86	cps
Magnesium	24-2	921279	914607	901063	912316	1.13	cps
Manganese	55-2	573482	564982	556416	564960	1.51	cps
Molybdenum	94-1	839010	860043	835737	844930	1.56	cps
Molybdenum	95-1	1026662	1034827	1030454	1030647	0.40	cps
Molybdenum	96-1	1141611	1142032	1145235	1142959	0.17	cps
Molybdenum	97-1	642100	629048	629175	633441	1.18	cps
Molybdenum	98-1	1663113	1627749	1635755	1642206	1.13	cps
Neodymium	150-1	40	73	40	51	37.66	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	52205	52399	51466	52024	0.95	cps
Phosphorus	31-2	3442	3642	3767	3617	4.53	cps
Potassium	39-2	343633	342479	334753	340288	1.42	cps
Rhodium	103-1	9623461	9563573	9754243	9647092	1.01	cps
Rhodium	103-2	4107996	3986246	4127022	4073755	1.87	cps
Scandium	45-1	7558997	7698306	7860056	7705786	1.96	cps
Scandium	45-2	228110	223194	226574	225959	1.11	cps
Selenium	82-1	7477	7881	7681	7680	2.63	cps
Selenium	77-2	210	267	267	248	13.20	cps
Selenium	78-2	788	815	804	802	1.69	cps
Silicon	28-1	9192808	9332203	9308287	9277766	0.80	cps
Silver	107-1	501507	489576	499855	496979	1.30	cps
Silver	109-1	479971	480966	461265	474067	2.34	cps
Sodium	23-2	1788731	1785973	1780172	1784959	0.24	cps
Strontium	86-1	1312742	1370626	1345395	1342921	2.16	cps
Strontium	88-1	11361571	11628834	11498457	11496287	1.16	cps
Sulfur	34-1	506435	509541	511320	509099	0.49	cps
Terbium	159-1	11425285	11342094	11937854	11568411	2.79	cps
Terbium	159-2	4745958	4617854	4550608	4638140	2.14	cps
Thallium	203-1	288028	285620	293267	288972	1.35	cps
Thallium	205-1	674849	678151	664163	672388	1.09	cps
Tin	118-1	316166	318578	316400	317048	0.42	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:13:23	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	328459	334033	332686	331726	0.88	cps
Uranium	238-1	816330	817880	830334	821515	0.93	cps
Vanadium	51-2	86526	85496	85255	85759	0.79	cps
Ytterbium	172-1	17	50	25	31	56.77	cps
Ytterbium	172-2	6	11	11	9	34.60	cps
Ytterbium	176-1	1792	1750	1825	1789	2.10	cps
Ytterbium	176-2	1239	1106	983	1109	11.52	cps
Yttrium	89-1	16470470	17051773	16992926	16838389	1.90	cps
Yttrium	89-2	1813912	1755022	1790848	1786594	1.66	cps
Zinc	66-2	179165	178836	177305	178435	0.56	cps
Zirconium	90-1	685867	683251	689978	686365	0.49	cps
Zirconium	91-1	157434	153237	153034	154568	1.61	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 11:16:27 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	158166	157279	155798	157081	0.76	cps
Antimony	121-1	859253	887610	867554	871472	1.67	cps
Arsenic	75-2	26282	26243	26056	26193	0.46	cps
Barium	135-1	1115450	1128532	1144869	1129617	1.30	cps
Barium	137-1	1936625	1964431	1988256	1963104	1.32	cps
Beryllium	9-1	373083	376110	377677	375623	0.62	cps
Bismuth	209-1	6177328	6104251	6121431	6134337	0.62	cps
Bismuth	209-2	3286007	3295093	2911609	3164236	6.92	cps
Boron	10-1	36939	39748	42009	39565	6.42	cps
Boron	11-1	161999	174728	183564	173430	6.25	cps
Bromine	81-1	25499	26151	25780	25810	1.27	cps
Cadmium	111-1	238625	238578	241328	239510	0.66	cps
Cadmium	106-1	32915	33491	33057	33154	0.91	cps
Cadmium	108-1	18646	18867	18934	18816	0.80	cps
Calcium	43-1	355825	364734	361903	360821	1.26	cps
Calcium	44-1	5780175	5933798	5876663	5863545	1.32	cps
Carbon	12-1	5604307	5741491	5770335	5705378	1.55	cps
Carbon	12-2	62994	64048	64659	63900	1.32	cps
Chlorine	35-1	1023421	1015874	1018126	1019140	0.38	cps
Chlorine	35-2	7410	7094	7319	7274	2.24	cps
Chromium	52-2	271193	269152	268696	269680	0.49	cps
Cobalt	59-2	478458	480076	478870	479135	0.18	cps
Copper	63-2	3635404	3567222	3606978	3603201	0.95	cps
Dysprosium	156-1	92	50	67	69	30.20	cps
Dysprosium	156-2	23	43	13	27	57.29	cps
Erbium	164-1	92	42	50	61	43.83	cps
Erbium	164-2	23	20	30	24	20.83	cps
Gadolinium	160-1	142	183	125	150	20.03	cps
Gadolinium	160-2	30	37	63	43	40.70	cps
Holmium	165-1	11030346	10933485	10893240	10952357	0.64	cps
Holmium	165-2	4795950	4847707	4369348	4671002	5.62	cps
Indium	115-1	9861639	9946788	9969522	9925983	0.57	cps
Indium	115-2	1534767	1563134	1355410	1484437	7.59	cps
Iron	54-2	612032	615763	605286	611027	0.87	cps
Iron	56-2	11172921	11039959	11004876	11072585	0.80	cps
Iron	57-2	278111	270472	270586	273056	1.60	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:16:27	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1107	943	1007	1019	8.08	cps
Lead	206-1	3157079	3057284	3082700	3099021	1.67	cps
Lead	207-1	2694191	2706255	2662401	2687616	0.84	cps
Lead	208-1	12292286	12234713	12198868	12241956	0.38	cps
Lithium	6-1	5782955	5644357	5760181	5729164	1.30	cps
Magnesium	24-2	2275393	2272945	2260657	2269665	0.35	cps
Manganese	55-2	1441576	1433416	1440513	1438502	0.31	cps
Molybdenum	94-1	2091909	2102527	2101957	2098798	0.28	cps
Molybdenum	95-1	2586090	2641124	2588539	2605251	1.19	cps
Molybdenum	96-1	2854046	2938547	2869372	2887322	1.56	cps
Molybdenum	97-1	1600680	1611213	1556159	1589351	1.84	cps
Molybdenum	98-1	4161072	4147850	4068855	4125926	1.21	cps
Neodymium	150-1	127	100	73	100	26.66	cps
Neodymium	150-2	7	7	10	8	24.71	cps
Nickel	60-2	130257	130932	130388	130525	0.27	cps
Phosphorus	31-2	8811	7819	8261	8297	5.99	cps
Potassium	39-2	811610	809816	814635	812020	0.30	cps
Rhodium	103-1	9577506	9635853	9470481	9561280	0.88	cps
Rhodium	103-2	4174472	4215638	3742852	4044321	6.48	cps
Scandium	45-1	7701126	7719723	7594435	7671761	0.88	cps
Scandium	45-2	226479	229027	199897	218468	7.38	cps
Selenium	82-1	19347	19436	19440	19408	0.27	cps
Selenium	77-2	583	610	530	574	7.09	cps
Selenium	78-2	1941	1920	1922	1928	0.60	cps
Silicon	28-1	9385248	9518841	9466025	9456705	0.71	cps
Silver	107-1	1206633	1270284	1254189	1243702	2.66	cps
Silver	109-1	1184062	1181722	1198764	1188183	0.78	cps
Sodium	23-2	4316050	4201693	4284964	4267569	1.39	cps
Strontium	86-1	3344900	3419990	3404092	3389661	1.17	cps
Strontium	88-1	28654295	28495436	29222216	28790649	1.33	cps
Sulfur	34-1	583051	580645	582081	581926	0.21	cps
Terbium	159-1	11523237	11692232	11647861	11621110	0.75	cps
Terbium	159-2	4780923	4944430	4244178	4656510	7.87	cps
Thallium	203-1	719255	731691	735791	728912	1.18	cps
Thallium	205-1	1752239	1765633	1781049	1766307	0.82	cps
Tin	118-1	788365	799103	786002	791157	0.88	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:16:27	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	837292	841574	825993	834953	0.96	cps
Uranium	238-1	2127628	2132430	2163346	2141135	0.91	cps
Vanadium	51-2	215296	216422	212297	214671	0.99	cps
Ytterbium	172-1	42	25	17	28	45.82	cps
Ytterbium	172-2	17	6	6	9	69.24	cps
Ytterbium	176-1	2175	1909	1942	2009	7.24	cps
Ytterbium	176-2	1195	1250	867	1104	18.77	cps
Yttrium	89-1	16882944	16500091	16933420	16772152	1.41	cps
Yttrium	89-2	1801237	1831310	1577712	1736753	7.98	cps
Zinc	66-2	476117	477094	473981	475731	0.33	cps
Zirconium	90-1	1737553	1729262	1769295	1745370	1.21	cps
Zirconium	91-1	382846	390706	396857	390136	1.80	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:19:32	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	304502	303064	300741	302769	0.63	cps
Antimony	121-1	1692337	1721926	1719037	1711100	0.95	cps
Arsenic	75-2	50616	50227	49601	50148	1.02	cps
Barium	135-1	2223999	2221968	2270625	2238864	1.23	cps
Barium	137-1	3837259	3762177	3787332	3795589	1.01	cps
Beryllium	9-1	736741	731022	741344	736369	0.70	cps
Bismuth	209-1	6140838	6023473	6163940	6109417	1.23	cps
Bismuth	209-2	3163421	3187647	3132829	3161299	0.87	cps
Boron	10-1	73909	77353	81532	77598	4.92	cps
Boron	11-1	315356	333526	357626	335503	6.32	cps
Bromine	81-1	24246	24938	24898	24694	1.57	cps
Cadmium	111-1	464961	467124	458511	463532	0.97	cps
Cadmium	106-1	59813	58927	58985	59242	0.84	cps
Cadmium	108-1	35830	36791	37267	36629	2.00	cps
Calcium	43-1	700102	703554	700681	701446	0.26	cps
Calcium	44-1	11355913	11460248	11388033	11401398	0.47	cps
Carbon	12-1	5990758	6218924	6470591	6226758	3.85	cps
Carbon	12-2	73627	73426	72596	73216	0.75	cps
Chlorine	35-1	1005796	1008217	987089	1000367	1.16	cps
Chlorine	35-2	6960	7002	7169	7044	1.57	cps
Chromium	52-2	521355	522977	514072	519468	0.91	cps
Cobalt	59-2	918273	923438	921001	920904	0.28	cps
Copper	63-2	6956189	6767977	6772998	6832388	1.57	cps
Dysprosium	156-1	92	133	142	122	21.92	cps
Dysprosium	156-2	53	47	43	48	10.66	cps
Erbium	164-1	67	142	100	103	36.56	cps
Erbium	164-2	37	40	17	31	40.56	cps
Gadolinium	160-1	192	242	258	231	15.05	cps
Gadolinium	160-2	90	107	57	84	30.15	cps
Holmium	165-1	10775470	10719470	10675933	10723624	0.47	cps
Holmium	165-2	4619916	4663989	4662437	4648781	0.54	cps
Indium	115-1	9856372	9776891	9741097	9791454	0.60	cps
Indium	115-2	1443646	1450016	1447316	1446993	0.22	cps
Iron	54-2	1170056	1188570	1166612	1175079	1.01	cps
Iron	56-2	21104383	21367007	20615602	21028997	1.81	cps
Iron	57-2	525590	525788	525742	525707	0.02	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:19:32	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1013	910	1013	979	6.09	cps
Lead	206-1	5941051	6069898	6125637	6045529	1.57	cps
Lead	207-1	5192510	5263558	5263106	5239725	0.78	cps
Lead	208-1	23629088	23720173	24268557	23872606	1.45	cps
Lithium	6-1	5724230	5771876	5682656	5726254	0.78	cps
Magnesium	24-2	4298930	4266937	4297299	4287722	0.42	cps
Manganese	55-2	2738825	2772730	2745666	2752407	0.65	cps
Molybdenum	94-1	4122406	4073994	4070505	4088969	0.71	cps
Molybdenum	95-1	5032308	5053558	4968349	5018072	0.88	cps
Molybdenum	96-1	5648897	5622669	5607651	5626406	0.37	cps
Molybdenum	97-1	3103450	3143016	3095367	3113944	0.82	cps
Molybdenum	98-1	8084851	8143232	7932027	8053370	1.35	cps
Neodymium	150-1	200	140	133	158	23.27	cps
Neodymium	150-2	0	17	17	11	86.60	cps
Nickel	60-2	249460	247721	247196	248125	0.48	cps
Phosphorus	31-2	16910	16401	16251	16521	2.09	cps
Potassium	39-2	1511093	1523158	1499651	1511301	0.78	cps
Rhodium	103-1	9201832	9075689	9039678	9105733	0.94	cps
Rhodium	103-2	3973014	3975727	4009403	3986048	0.51	cps
Scandium	45-1	7536583	7525959	7524037	7528860	0.09	cps
Scandium	45-2	219277	216187	213000	216155	1.45	cps
Selenium	82-1	37780	37775	37386	37647	0.60	cps
Selenium	77-2	1200	1113	1083	1132	5.35	cps
Selenium	78-2	3573	3733	3724	3677	2.45	cps
Silicon	28-1	9845953	9987694	9955699	9929782	0.75	cps
Silver	107-1	2538738	2437680	2526763	2501061	2.21	cps
Silver	109-1	2262658	2358008	2313516	2311394	2.06	cps
Sodium	23-2	8203215	8122796	8211441	8179150	0.60	cps
Strontium	86-1	6496945	6433009	6501900	6477285	0.59	cps
Strontium	88-1	55944830	56615372	56009485	56189896	0.66	cps
Sulfur	34-1	688379	696469	685430	690092	0.83	cps
Terbium	159-1	11297778	11495023	11579067	11457289	1.26	cps
Terbium	159-2	4652617	4659606	4675902	4662709	0.26	cps
Thallium	203-1	1438371	1451018	1454981	1448123	0.60	cps
Thallium	205-1	3437799	3429196	3515048	3460681	1.37	cps
Tin	118-1	1554318	1558114	1540913	1551115	0.58	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:19:32	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1612710	1579971	1604932	1599204	1.07	cps
Uranium	238-1	4472396	4378411	4417060	4422622	1.07	cps
Vanadium	51-2	417596	413864	410531	413997	0.85	cps
Ytterbium	172-1	25	42	67	44	47.19	cps
Ytterbium	172-2	28	22	11	20	41.67	cps
Ytterbium	176-1	2075	1775	1809	1886	8.72	cps
Ytterbium	176-2	1106	1200	1022	1109	8.02	cps
Yttrium	89-1	16090774	16189949	16103026	16127917	0.34	cps
Yttrium	89-2	1763092	1738272	1753330	1751565	0.71	cps
Zinc	66-2	854994	867511	857764	860090	0.76	cps
Zirconium	90-1	3405235	3400183	3419473	3408297	0.29	cps
Zirconium	91-1	759024	757936	764336	760432	0.45	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:22:35	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	582260	581659	586189	583370	0.42	cps
Antimony	121-1	3325179	3331270	3324304	3326918	0.11	cps
Arsenic	75-2	96111	96669	96287	96356	0.30	cps
Barium	135-1	4393531	4429088	4417930	4413516	0.41	cps
Barium	137-1	7417747	7436413	7480847	7445002	0.44	cps
Beryllium	9-1	1401414	1407169	1396413	1401665	0.38	cps
Bismuth	209-1	6200645	6100029	6234008	6178227	1.13	cps
Bismuth	209-2	3182009	3075804	3113414	3123742	1.72	cps
Boron	10-1	145146	155986	159081	153404	4.77	cps
Boron	11-1	624198	661034	680554	655262	4.37	cps
Bromine	81-1	23584	24025	24276	23962	1.46	cps
Cadmium	111-1	897100	904679	879458	893746	1.45	cps
Cadmium	106-1	104503	107125	107585	106404	1.56	cps
Cadmium	108-1	70249	70935	70990	70725	0.58	cps
Calcium	43-1	1353985	1377671	1367785	1366480	0.87	cps
Calcium	44-1	21748758	21943320	21618179	21770086	0.75	cps
Carbon	12-1	6780295	7255345	7476403	7170681	4.96	cps
Carbon	12-2	88659	90797	93388	90948	2.60	cps
Chlorine	35-1	972609	964104	969247	968654	0.44	cps
Chlorine	35-2	6610	6168	6160	6313	4.08	cps
Chromium	52-2	996665	1002886	1004312	1001288	0.41	cps
Cobalt	59-2	1813803	1777134	1819412	1803449	1.27	cps
Copper	63-2	13125646	13065561	13187937	13126381	0.47	cps
Dysprosium	156-1	308	267	275	283	7.78	cps
Dysprosium	156-2	107	97	90	98	8.58	cps
Erbium	164-1	100	67	92	86	20.14	cps
Erbium	164-2	50	20	27	32	48.88	cps
Gadolinium	160-1	300	358	300	319	10.54	cps
Gadolinium	160-2	107	110	137	118	13.96	cps
Holmium	165-1	11030689	10985777	11147537	11054668	0.76	cps
Holmium	165-2	4665263	4548357	4566717	4593446	1.37	cps
Indium	115-1	9522713	9458879	9832004	9604532	2.08	cps
Indium	115-2	1414628	1395587	1396087	1402101	0.77	cps
Iron	54-2	2304265	2345628	2288049	2312647	1.28	cps
Iron	56-2	41008762	40977929	40679594	40888762	0.44	cps
Iron	57-2	1004896	1017855	1007539	1010097	0.68	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 11:22:35 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	947	1053	1053	1018	6.05	cps
Lead	206-1	11980088	11836696	12246545	12021110	1.73	cps
Lead	207-1	10336765	10205987	10389854	10310869	0.92	cps
Lead	208-1	47590533	46984589	47753548	47442890	0.85	cps
Lithium	6-1	5435840	5552602	5695154	5561198	2.34	cps
Magnesium	24-2	8331371	8477493	8421778	8410214	0.88	cps
Manganese	55-2	5309220	5259407	5239974	5269534	0.68	cps
Molybdenum	94-1	7832982	8004472	7934187	7923880	1.09	cps
Molybdenum	95-1	9637347	9829837	9921716	9796300	1.48	cps
Molybdenum	96-1	10767058	10928396	10811593	10835682	0.77	cps
Molybdenum	97-1	6065874	6124391	6029348	6073204	0.79	cps
Molybdenum	98-1	15658484	15625638	15736196	15673439	0.36	cps
Neodymium	150-1	313	307	307	309	1.24	cps
Neodymium	150-2	30	13	13	19	50.96	cps
Nickel	60-2	475331	477263	476118	476237	0.20	cps
Phosphorus	31-2	31644	31243	31585	31490	0.69	cps
Potassium	39-2	2870038	2893481	2888471	2883997	0.43	cps
Rhodium	103-1	8956324	8913637	8885243	8918401	0.40	cps
Rhodium	103-2	3853190	3806072	3860331	3839865	0.77	cps
Scandium	45-1	7180270	7173422	7230571	7194754	0.43	cps
Scandium	45-2	212299	207059	206908	208755	1.47	cps
Selenium	82-1	71529	71473	70903	71302	0.49	cps
Selenium	77-2	1837	2140	2060	2012	7.81	cps
Selenium	78-2	6977	6922	6828	6909	1.09	cps
Silicon	28-1	10919429	10829585	10924282	10891098	0.49	cps
Silver	107-1	4695531	4708779	4718536	4707615	0.25	cps
Silver	109-1	4534713	4434629	4405721	4458354	1.52	cps
Sodium	23-2	15976355	15840589	15898647	15905197	0.43	cps
Strontium	86-1	12573881	12601359	12499085	12558109	0.42	cps
Strontium	88-1	108017440	108640761	106384144	107680782	1.08	cps
Sulfur	34-1	902973	911387	912890	909083	0.59	cps
Terbium	159-1	11559502	11625486	11691760	11625583	0.57	cps
Terbium	159-2	4734042	4612762	4607306	4651370	1.54	cps
Thallium	203-1	2958980	3042331	3029203	3010171	1.49	cps
Thallium	205-1	6811779	6980685	6974018	6922161	1.38	cps
Tin	118-1	3031773	3041211	3040512	3037832	0.17	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:22:35	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3065109	3018406	3036705	3040073	0.77	cps
Uranium	238-1	8661791	8630119	8855353	8715754	1.40	cps
Vanadium	51-2	799784	803535	797525	800281	0.38	cps
Ytterbium	172-1	33	50	42	42	20.00	cps
Ytterbium	172-2	0	28	22	17	88.19	cps
Ytterbium	176-1	1750	1917	1992	1886	6.56	cps
Ytterbium	176-2	1117	1061	1017	1065	4.71	cps
Yttrium	89-1	15705009	15961451	16137516	15934659	1.36	cps
Yttrium	89-2	1685425	1687053	1677775	1683418	0.29	cps
Zinc	66-2	1684638	1629531	1652368	1655512	1.67	cps
Zirconium	90-1	6450768	6479149	6551099	6493672	0.80	cps
Zirconium	91-1	1502464	1484370	1511898	1499577	0.93	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 11:25:41 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1147322	1143531	1152183	1147678	0.38	cps
Antimony	121-1	6457882	6417333	6539490	6471568	0.96	cps
Arsenic	75-2	187614	185508	186930	186684	0.58	cps
Barium	135-1	8444567	8519319	8695554	8553147	1.51	cps
Barium	137-1	14498691	14709209	14445931	14551277	0.96	cps
Beryllium	9-1	2695737	2703917	2725080	2708245	0.56	cps
Bismuth	209-1	6045754	6011863	5913691	5990436	1.14	cps
Bismuth	209-2	3073833	3033977	3038294	3048701	0.72	cps
Boron	10-1	288057	301090	309984	299711	3.68	cps
Boron	11-1	1098115	1143506	1202800	1148140	4.57	cps
Bromine	81-1	23103	24376	23514	23664	2.75	cps
Cadmium	111-1	1697699	1724043	1713005	1711582	0.77	cps
Cadmium	106-1	200307	202348	203673	202109	0.84	cps
Cadmium	108-1	134073	135570	133851	134498	0.70	cps
Calcium	43-1	2659699	2614402	2670357	2648153	1.12	cps
Calcium	44-1	42300865	41723455	43050237	42358186	1.57	cps
Carbon	12-1	6710780	6871440	7126881	6903033	3.04	cps
Carbon	12-2	82758	83051	83001	82937	0.19	cps
Chlorine	35-1	956460	954672	952053	954395	0.23	cps
Chlorine	35-2	6535	6568	6660	6588	0.98	cps
Chromium	52-2	2022350	2012870	2048869	2028030	0.92	cps
Cobalt	59-2	3463835	3456286	3444062	3454728	0.29	cps
Copper	63-2	24903208	24882844	25022300	24936117	0.30	cps
Dysprosium	156-1	467	433	475	458	4.81	cps
Dysprosium	156-2	177	170	217	188	13.44	cps
Erbium	164-1	142	192	158	164	15.53	cps
Erbium	164-2	83	43	53	60	34.70	cps
Gadolinium	160-1	500	450	600	517	14.78	cps
Gadolinium	160-2	240	197	197	211	11.85	cps
Holmium	165-1	11126139	10773372	10661843	10853784	2.23	cps
Holmium	165-2	4555708	4614134	4645887	4605243	0.99	cps
Indium	115-1	9661254	9255434	9249141	9388610	2.52	cps
Indium	115-2	1360869	1357109	1383626	1367201	1.05	cps
Iron	54-2	4468879	4405536	4505664	4460026	1.14	cps
Iron	56-2	79684388	78410566	79429502	79174818	0.85	cps
Iron	57-2	2013650	2014260	2012439	2013450	0.05	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:25:41	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	957	953	983	964	1.70	cps
Lead	206-1	23429728	23895118	23791726	23705524	1.03	cps
Lead	207-1	20050703	20581695	20517111	20383170	1.42	cps
Lead	208-1	92215859	94515710	93773610	93501726	1.26	cps
Lithium	6-1	5455839	5442151	5325785	5407925	1.32	cps
Magnesium	24-2	16113822	16257823	16424781	16265475	0.96	cps
Manganese	55-2	10372407	10080730	10294155	10249097	1.47	cps
Molybdenum	94-1	15278824	15448818	15515056	15414232	0.79	cps
Molybdenum	95-1	19026575	18866436	18977567	18956859	0.43	cps
Molybdenum	96-1	21414915	21086811	20918474	21140067	1.19	cps
Molybdenum	97-1	11690308	11665051	11603029	11652796	0.39	cps
Molybdenum	98-1	30294825	30258097	30475344	30342755	0.38	cps
Neodymium	150-1	687	487	587	587	17.05	cps
Neodymium	150-2	20	20	40	27	43.30	cps
Nickel	60-2	915338	914152	912736	914075	0.14	cps
Phosphorus	31-2	61087	60861	59782	60577	1.15	cps
Potassium	39-2	5576714	5593118	5576615	5582149	0.17	cps
Rhodium	103-1	8738920	8548815	8506642	8598126	1.44	cps
Rhodium	103-2	3753389	3805302	3804952	3787881	0.79	cps
Scandium	45-1	7186123	7011727	6937919	7045256	1.81	cps
Scandium	45-2	208818	207298	210368	208828	0.74	cps
Selenium	82-1	135359	135542	136335	135745	0.38	cps
Selenium	77-2	3937	3934	3971	3947	0.51	cps
Selenium	78-2	13257	13330	13457	13348	0.76	cps
Silicon	28-1	12953569	13121134	13145829	13073510	0.80	cps
Silver	107-1	9009458	8933602	9063479	9002179	0.72	cps
Silver	109-1	8359890	8452979	8484900	8432590	0.77	cps
Sodium	23-2	30580287	30867831	30937979	30795366	0.62	cps
Strontium	86-1	24501861	24880799	24971035	24784565	1.00	cps
Strontium	88-1	211477017	213237805	214468146	213060989	0.71	cps
Sulfur	34-1	1135553	1132982	1104017	1124184	1.56	cps
Terbium	159-1	11698524	11464198	11523999	11562240	1.05	cps
Terbium	159-2	4550808	4633164	4663840	4615938	1.27	cps
Thallium	203-1	5645248	5769660	5849893	5754934	1.79	cps
Thallium	205-1	13233285	13601351	13539754	13458130	1.46	cps
Tin	118-1	5917865	5892364	6024464	5944898	1.18	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:25:41	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	5758323	5843398	5988252	5863324	1.98	cps
Uranium	238-1	17193979	17275243	17295352	17254858	0.31	cps
Vanadium	51-2	1613290	1581911	1595007	1596736	0.99	cps
Ytterbium	172-1	83	58	58	67	21.65	cps
Ytterbium	172-2	11	6	33	17	88.17	cps
Ytterbium	176-1	1975	2159	2050	2061	4.47	cps
Ytterbium	176-2	933	1061	995	996	6.42	cps
Yttrium	89-1	15970908	15547496	15467070	15661824	1.73	cps
Yttrium	89-2	1680255	1687139	1712622	1693339	1.01	cps
Zinc	66-2	3173163	3095527	3127247	3131979	1.25	cps
Zirconium	90-1	12681332	12655818	12816299	12717816	0.68	cps
Zirconium	91-1	2898620	2911764	2922680	2911021	0.41	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 11:28:44 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5744670	5700893	5731517	5725693	0.39	cps
Antimony	121-1	4868	5084	5059	5004	2.37	cps
Arsenic	75-2	56	74	65	65	13.84	cps
Barium	135-1	3167	3050	2717	2978	7.84	cps
Barium	137-1	5251	5460	5385	5365	1.97	cps
Beryllium	9-1	410	372	328	370	11.09	cps
Bismuth	209-1	5587198	5565777	5490101	5547692	0.92	cps
Bismuth	209-2	2829851	2777630	2824622	2810701	1.02	cps
Boron	10-1	29071	26681	23901	26551	9.75	cps
Boron	11-1	126836	114783	102932	114851	10.41	cps
Bromine	81-1	25108	24667	25440	25072	1.55	cps
Cadmium	111-1	1329	1235	1211	1258	4.94	cps
Cadmium	106-1	5343	5318	5259	5307	0.81	cps
Cadmium	108-1	188	196	213	199	6.41	cps
Calcium	43-1	13318430	13416210	13427998	13387546	0.45	cps
Calcium	44-1	223421916	221456158	221320156	222066077	0.53	cps
Carbon	12-1	5939431	6153655	6225578	6106221	2.44	cps
Carbon	12-2	78484	77346	77847	77892	0.73	cps
Chlorine	35-1	1020385	1017234	1018676	1018765	0.15	cps
Chlorine	35-2	7177	6960	6977	7038	1.71	cps
Chromium	52-2	7959	7729	7816	7834	1.48	cps
Cobalt	59-2	4894	4778	4741	4804	1.67	cps
Copper	63-2	12185	11882	11778	11948	1.77	cps
Dysprosium	156-1	1867	1900	1742	1836	4.55	cps
Dysprosium	156-2	827	813	813	818	0.94	cps
Erbium	164-1	242	317	350	303	18.33	cps
Erbium	164-2	157	110	143	137	17.59	cps
Gadolinium	160-1	2100	2150	1925	2059	5.74	cps
Gadolinium	160-2	973	1023	1017	1004	2.70	cps
Holmium	165-1	10595822	10878444	10775506	10749924	1.33	cps
Holmium	165-2	4593575	4673225	4618290	4628363	0.88	cps
Indium	115-1	9182987	9354942	9214195	9250708	0.99	cps
Indium	115-2	1366446	1374383	1363004	1367944	0.43	cps
Iron	54-2	21259621	21618880	21325796	21401432	0.89	cps
Iron	56-2	393179309	389794864	388855998	390610057	0.58	cps
Iron	57-2	9710080	9749092	9610583	9689919	0.74	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:28:44	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	963	1057	953	991	5.75	cps
Lead	206-1	21579	21095	20795	21156	1.87	cps
Lead	207-1	18719	18352	18435	18502	1.04	cps
Lead	208-1	84987	84922	81795	83901	2.17	cps
Lithium	6-1	5340537	5465854	5468296	5424896	1.35	cps
Magnesium	24-2	79611683	79584329	80337656	79844556	0.54	cps
Manganese	55-2	7585	7632	7469	7562	1.11	cps
Molybdenum	94-1	4684	4076	4284	4348	7.11	cps
Molybdenum	95-1	5001	4676	4793	4823	3.42	cps
Molybdenum	96-1	13674	13674	12865	13404	3.49	cps
Molybdenum	97-1	2750	2717	2850	2773	2.50	cps
Molybdenum	98-1	7260	6818	6327	6802	6.87	cps
Neodymium	150-1	33	100	67	67	50.00	cps
Neodymium	150-2	3	30	13	16	86.63	cps
Nickel	60-2	2794	2894	2817	2835	1.85	cps
Phosphorus	31-2	133	75	150	119	32.97	cps
Potassium	39-2	28475304	28303300	28437500	28405368	0.32	cps
Rhodium	103-1	8121453	8201742	8209154	8177449	0.59	cps
Rhodium	103-2	3589318	3581179	3617462	3595986	0.53	cps
Scandium	45-1	7134531	7361122	7259089	7251581	1.56	cps
Scandium	45-2	212280	210220	213800	212100	0.85	cps
Selenium	82-1	106	67	158	110	41.20	cps
Selenium	77-2	3	0	7	3	100.05	cps
Selenium	78-2	52	45	43	47	10.14	cps
Silicon	28-1	8969781	9163370	9152894	9095348	1.20	cps
Silver	107-1	2842	2575	2517	2645	6.55	cps
Silver	109-1	2550	2542	2317	2470	5.36	cps
Sodium	23-2	153944862	155679195	155015091	154879716	0.56	cps
Strontium	86-1	8953	9804	9153	9303	4.78	cps
Strontium	88-1	66191	66643	67890	66908	1.32	cps
Sulfur	34-1	384208	385789	388945	386314	0.62	cps
Terbium	159-1	11471396	11379356	11385322	11412025	0.45	cps
Terbium	159-2	4617160	4600116	4641631	4619636	0.45	cps
Thallium	203-1	1292	1375	1325	1331	3.15	cps
Thallium	205-1	3442	3309	3017	3256	6.68	cps
Tin	118-1	3509	3267	3484	3420	3.89	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:28:44	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1342	1425	1525	1431	6.42	cps
Uranium	238-1	1909	1867	1900	1892	1.17	cps
Vanadium	51-2	407	390	370	389	4.72	cps
Ytterbium	172-1	92	75	92	86	11.18	cps
Ytterbium	172-2	39	61	17	39	57.14	cps
Ytterbium	176-1	1934	1967	1884	1928	2.18	cps
Ytterbium	176-2	928	1211	1067	1069	13.26	cps
Yttrium	89-1	15833822	15976023	15931336	15913727	0.46	cps
Yttrium	89-2	1731980	1708634	1730013	1723542	0.75	cps
Zinc	66-2	81895	82190	81824	81970	0.24	cps
Zirconium	90-1	3417	3159	3042	3206	5.99	cps
Zirconium	91-1	700	600	617	639	8.39	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 11:46:25 DataFile Name : 012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	30532	30467	30111	30370	0.75	cps
Antimony	121-1	1374045	1387598	1403231	1388291	1.05	cps
Arsenic	75-2	41824	41820	41513	41719	0.43	cps
Barium	135-1	177943	182005	182694	180880	1.42	cps
Barium	137-1	313606	319218	319002	317275	1.00	cps
Beryllium	9-1	293583	295624	295329	294846	0.37	cps
Bismuth	209-1	6502296	6421929	6185635	6369953	2.58	cps
Bismuth	209-2	3227759	3265132	3269804	3254232	0.71	cps
Boron	10-1	144170	156440	164461	155024	6.59	cps
Boron	11-1	616857	680636	722882	673458	7.93	cps
Bromine	81-1	25118	24557	25810	25162	2.50	cps
Cadmium	111-1	191892	196444	193375	193904	1.20	cps
Cadmium	106-1	42792	41823	42433	42349	1.16	cps
Cadmium	108-1	22502	22631	23232	22788	1.71	cps
Calcium	43-1	59742	58068	58770	58860	1.43	cps
Calcium	44-1	1014427	972172	963226	983275	2.78	cps
Carbon	12-1	5203311	5314417	5278374	5265367	1.08	cps
Carbon	12-2	57873	60785	59337	59332	2.45	cps
Chlorine	35-1	1088317	1102739	1139021	1110026	2.35	cps
Chlorine	35-2	7836	8611	7894	8114	5.32	cps
Chromium	52-2	214838	212452	213984	213758	0.57	cps
Cobalt	59-2	383910	379072	384858	382613	0.81	cps
Copper	63-2	287419	283732	286627	285926	0.68	cps
Dysprosium	156-1	17	8	0	8	100.02	cps
Dysprosium	156-2	3	7	7	6	34.70	cps
Erbium	164-1	133	67	50	83	52.92	cps
Erbium	164-2	23	23	23	23	0.00	cps
Gadolinium	160-1	92	100	142	111	24.11	cps
Gadolinium	160-2	40	37	43	40	8.32	cps
Holmium	165-1	11245916	11286415	11108395	11213575	0.83	cps
Holmium	165-2	4758951	4883136	4823103	4821730	1.29	cps
Indium	115-1	10246738	10284491	9978392	10169874	1.64	cps
Indium	115-2	1500871	1489042	1477538	1489150	0.78	cps
Iron	54-2	195008	192891	191414	193104	0.94	cps
Iron	56-2	3434909	3449296	3368396	3417534	1.26	cps
Iron	57-2	82878	83537	85198	83871	1.42	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:46:25	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1080	990	897	989	9.27	cps
Lead	206-1	955958	993567	996018	981848	2.29	cps
Lead	207-1	807130	842056	817919	822368	2.17	cps
Lead	208-1	3901202	3956019	3891161	3916128	0.89	cps
Lithium	6-1	5862692	5803664	5664232	5776863	1.76	cps
Magnesium	24-2	203032	199216	200391	200880	0.97	cps
Manganese	55-2	110211	109748	107098	109019	1.54	cps
Molybdenum	94-1	8469877	8527975	8372144	8456665	0.93	cps
Molybdenum	95-1	10103153	10249985	10194210	10182450	0.73	cps
Molybdenum	96-1	11324671	11455293	11456055	11412006	0.66	cps
Molybdenum	97-1	6216744	6401738	6337939	6318807	1.49	cps
Molybdenum	98-1	16303131	16312406	16135670	16250402	0.61	cps
Neodymium	150-1	33	27	0	20	88.19	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	103979	105068	103161	104069	0.92	cps
Phosphorus	31-2	167	133	83	128	32.82	cps
Potassium	39-2	265117	259596	261275	261996	1.08	cps
Rhodium	103-1	9592687	9475547	9720918	9596384	1.28	cps
Rhodium	103-2	4137243	4138188	4098912	4124781	0.54	cps
Scandium	45-1	7768212	7579235	7500837	7616095	1.80	cps
Scandium	45-2	219284	219358	218068	218903	0.33	cps
Selenium	82-1	31164	31738	31800	31567	1.11	cps
Selenium	77-2	847	933	803	861	7.69	cps
Selenium	78-2	3138	3064	3020	3074	1.94	cps
Silicon	28-1	8688675	8438346	8727300	8618107	1.82	cps
Silver	107-1	479788	493490	495597	489625	1.75	cps
Silver	109-1	452511	457980	462443	457645	1.09	cps
Sodium	23-2	736571	731735	715924	728077	1.48	cps
Strontium	86-1	12818748	13282999	13068849	13056865	1.78	cps
Strontium	88-1	111474877	114042465	111724365	112413903	1.26	cps
Sulfur	34-1	419568	415539	414057	416388	0.68	cps
Terbium	159-1	11940157	11808388	11748061	11832202	0.83	cps
Terbium	159-2	4781981	4844884	4708805	4778557	1.43	cps
Thallium	203-1	1248539	1237679	1231017	1239079	0.71	cps
Thallium	205-1	2934891	3011872	3025360	2990708	1.63	cps
Tin	118-1	3376199	3313504	3266540	3318748	1.66	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 11:46:25	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3165061	3160194	3177943	3167732	0.29	cps
Uranium	238-1	9370453	9439931	9096113	9302165	1.95	cps
Vanadium	51-2	168671	166799	164675	166715	1.20	cps
Ytterbium	172-1	50	25	42	39	32.73	cps
Ytterbium	172-2	0	11	11	7	86.60	cps
Ytterbium	176-1	1542	1934	1950	1809	12.78	cps
Ytterbium	176-2	1617	1528	1422	1522	6.39	cps
Yttrium	89-1	16835791	16955920	16525403	16772371	1.32	cps
Yttrium	89-2	1787094	1792139	1756118	1778450	1.10	cps
Zinc	66-2	71124	70896	69583	70534	1.18	cps
Zirconium	90-1	7253396	7303491	7175919	7244269	0.89	cps
Zirconium	91-1	1670303	1673428	1627896	1657209	1.53	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : LLICV Instrumnet Name : P8
 Client Sample ID : LLICV Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:08:12 DataFile Name : 013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1466	1455	1475	1465	0.68	cps
Antimony	121-1	14141	13532	13599	13757	2.43	cps
Arsenic	75-2	235	208	219	221	6.15	cps
Barium	135-1	17837	18071	17729	17879	0.98	cps
Barium	137-1	31186	31830	29909	30975	3.16	cps
Beryllium	9-1	3130	3070	3270	3156	3.25	cps
Bismuth	209-1	6203596	6193237	6103645	6166826	0.89	cps
Bismuth	209-2	3256183	3293517	3219106	3256269	1.14	cps
Boron	10-1	10348	11008	11218	10858	4.18	cps
Boron	11-1	43509	46550	47635	45898	4.66	cps
Bromine	81-1	25500	25509	26041	25683	1.21	cps
Cadmium	111-1	2868	2869	2672	2803	4.05	cps
Cadmium	106-1	5393	5601	5818	5604	3.79	cps
Cadmium	108-1	188	133	167	163	16.81	cps
Calcium	43-1	14670	14401	14699	14590	1.13	cps
Calcium	44-1	266024	269795	263341	266387	1.22	cps
Carbon	12-1	5489995	5477143	5530268	5499136	0.50	cps
Carbon	12-2	58718	59136	59379	59077	0.57	cps
Chlorine	35-1	848716	845597	847677	847330	0.19	cps
Chlorine	35-2	6193	5509	5710	5804	6.06	cps
Chromium	52-2	5264	5328	5221	5271	1.02	cps
Cobalt	59-2	4044	3897	4077	4006	2.39	cps
Copper	63-2	6408	6492	6478	6459	0.69	cps
Dysprosium	156-1	0	17	25	14	91.65	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	75	8	25	36	96.08	cps
Erbium	164-2	30	17	23	23	28.56	cps
Gadolinium	160-1	92	50	108	83	36.06	cps
Gadolinium	160-2	53	30	57	47	31.14	cps
Holmium	165-1	10819514	10799961	10384393	10667956	2.30	cps
Holmium	165-2	4674887	4624607	4581199	4626898	1.01	cps
Indium	115-1	9870127	10074243	9598645	9847671	2.42	cps
Indium	115-2	1471720	1483185	1483908	1479604	0.46	cps
Iron	54-2	5762	5529	5218	5503	4.97	cps
Iron	56-2	91351	93141	92034	92175	0.98	cps
Iron	57-2	2350	2372	2384	2369	0.72	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:08:12	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1067	957	1003	1009	5.47	cps
Lead	206-1	5396	5574	5229	5399	3.19	cps
Lead	207-1	4823	5062	4506	4797	5.81	cps
Lead	208-1	22136	21874	20885	21632	3.05	cps
Lithium	6-1	5722822	5749466	5710010	5727433	0.35	cps
Magnesium	24-2	88569	90363	87973	88968	1.40	cps
Manganese	55-2	1177	1217	1223	1206	2.09	cps
Molybdenum	94-1	17787	16569	16969	17108	3.63	cps
Molybdenum	95-1	19739	21075	20107	20307	3.40	cps
Molybdenum	96-1	22494	22953	23036	22828	1.28	cps
Molybdenum	97-1	12573	12297	12848	12573	2.19	cps
Molybdenum	98-1	33040	31770	31403	32071	2.68	cps
Neodymium	150-1	7	0	20	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1223	1083	1163	1157	6.07	cps
Phosphorus	31-2	125	92	100	106	16.43	cps
Potassium	39-2	84606	86417	86669	85897	1.31	cps
Rhodium	103-1	9299820	9659541	9276971	9412110	2.28	cps
Rhodium	103-2	4037985	4076298	4097442	4070575	0.74	cps
Scandium	45-1	7365809	7508486	7181856	7352051	2.23	cps
Scandium	45-2	215719	218568	218664	217650	0.77	cps
Selenium	82-1	814	859	785	819	4.51	cps
Selenium	77-2	27	37	37	33	17.32	cps
Selenium	78-2	116	103	137	119	14.46	cps
Silicon	28-1	8623137	8732443	8715277	8690286	0.68	cps
Silver	107-1	9212	9929	9737	9626	3.86	cps
Silver	109-1	8703	8953	8403	8686	3.17	cps
Sodium	23-2	246675	246626	246192	246498	0.11	cps
Strontium	86-1	4126	4326	4426	4292	3.56	cps
Strontium	88-1	24530	24472	23362	24121	2.73	cps
Sulfur	34-1	431854	431614	426748	430072	0.67	cps
Terbium	159-1	11261930	11517290	11340262	11373161	1.15	cps
Terbium	159-2	4622580	4652690	4631485	4635585	0.33	cps
Thallium	203-1	6744	6885	6560	6730	2.42	cps
Thallium	205-1	15852	15727	15209	15596	2.18	cps
Tin	118-1	32114	31929	31646	31896	0.74	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:08:12	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6677	7085	6752	6838	3.18	cps
Uranium	238-1	16419	16611	16995	16675	1.76	cps
Vanadium	51-2	8853	8829	8643	8775	1.31	cps
Ytterbium	172-1	8	17	17	14	34.67	cps
Ytterbium	172-2	0	22	22	15	86.60	cps
Ytterbium	176-1	1708	1683	1892	1761	6.46	cps
Ytterbium	176-2	1711	1689	1522	1641	6.29	cps
Yttrium	89-1	16350735	16473249	15987388	16270457	1.55	cps
Yttrium	89-2	1800081	1768090	1761216	1776462	1.17	cps
Zinc	66-2	1040	1117	1037	1064	4.25	cps
Zirconium	90-1	14616	15209	13832	14552	4.74	cps
Zirconium	91-1	2959	3401	3275	3212	7.09	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:11:15 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	95	107	86	96	11.10	cps
Antimony	121-1	150	67	117	111	37.75	cps
Arsenic	75-2	7	5	2	5	53.93	cps
Barium	135-1	33	17	42	31	41.66	cps
Barium	137-1	42	33	33	36	13.33	cps
Beryllium	9-1	52	78	54	61	23.59	cps
Bismuth	209-1	6187237	6059591	6153816	6133548	1.08	cps
Bismuth	209-2	3057512	3172745	3154177	3128145	1.98	cps
Boron	10-1	4078	3720	3810	3869	4.81	cps
Boron	11-1	17319	16930	16968	17073	1.25	cps
Bromine	81-1	25951	24998	25549	25499	1.88	cps
Cadmium	111-1	1047	1127	1072	1082	3.81	cps
Cadmium	106-1	5301	5710	5426	5479	3.82	cps
Cadmium	108-1	25	21	25	24	10.20	cps
Calcium	43-1	281	286	298	288	3.12	cps
Calcium	44-1	28649	28630	29111	28797	0.94	cps
Carbon	12-1	5370780	5434707	5484253	5429913	1.05	cps
Carbon	12-2	59278	58935	59136	59117	0.29	cps
Chlorine	35-1	878321	867624	857506	867817	1.20	cps
Chlorine	35-2	5910	5676	6051	5879	3.22	cps
Chromium	52-2	783	810	797	797	1.67	cps
Cobalt	59-2	30	67	47	48	38.43	cps
Copper	63-2	1297	1200	1233	1243	3.95	cps
Dysprosium	156-1	0	0	8	3	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	67	33	108	69	54.12	cps
Erbium	164-2	43	30	17	30	44.43	cps
Gadolinium	160-1	100	50	117	89	39.03	cps
Gadolinium	160-2	13	37	30	27	45.08	cps
Holmium	165-1	10675228	10519817	10641078	10612041	0.77	cps
Holmium	165-2	4432263	4635081	4634878	4567407	2.56	cps
Indium	115-1	9887727	9690603	9835434	9804588	1.04	cps
Indium	115-2	1418291	1448151	1464498	1443647	1.62	cps
Iron	54-2	350	383	400	378	6.74	cps
Iron	56-2	2928	2550	2734	2737	6.90	cps
Iron	57-2	106	83	78	89	16.54	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:11:15	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1050	863	1110	1008	12.77	cps
Lead	206-1	678	739	611	676	9.45	cps
Lead	207-1	644	600	544	596	8.40	cps
Lead	208-1	2950	2878	2734	2854	3.87	cps
Lithium	6-1	5585089	5574980	5644545	5601538	0.67	cps
Magnesium	24-2	125	150	92	122	23.94	cps
Manganese	55-2	67	53	60	60	11.12	cps
Molybdenum	94-1	258	400	383	347	22.30	cps
Molybdenum	95-1	67	8	50	42	72.12	cps
Molybdenum	96-1	200	142	108	150	30.93	cps
Molybdenum	97-1	42	17	17	25	57.73	cps
Molybdenum	98-1	100	33	75	69	48.50	cps
Neodymium	150-1	0	7	7	4	86.60	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	33	37	57	42	29.89	cps
Phosphorus	31-2	142	125	175	147	17.30	cps
Potassium	39-2	23954	23996	22860	23603	2.73	cps
Rhodium	103-1	9304373	9359040	9383978	9349130	0.44	cps
Rhodium	103-2	3832712	4089583	4046543	3989613	3.45	cps
Scandium	45-1	7443954	7384433	7428993	7419127	0.42	cps
Scandium	45-2	205660	216811	218234	213568	3.22	cps
Selenium	82-1	-26	143	-120	-1	-14884.46	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	46	51	58	52	11.67	cps
Silicon	28-1	8680266	8717085	8736987	8711446	0.33	cps
Silver	107-1	225	233	150	203	22.63	cps
Silver	109-1	150	142	117	136	12.75	cps
Sodium	23-2	75847	74365	73963	74725	1.33	cps
Strontium	86-1	1800	1750	1650	1733	4.41	cps
Strontium	88-1	342	517	417	425	20.66	cps
Sulfur	34-1	431639	429905	426855	429466	0.56	cps
Terbium	159-1	11223526	11265212	11534497	11341078	1.49	cps
Terbium	159-2	4338432	4622598	4645683	4535571	3.77	cps
Thallium	203-1	692	700	767	719	5.71	cps
Thallium	205-1	1650	1483	1975	1703	14.69	cps
Tin	118-1	950	1092	1092	1045	7.83	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:11:15	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	200	183	142	175	17.17	cps
Uranium	238-1	0	0	25	8	173.21	cps
Vanadium	51-2	3	3	13	7	86.65	cps
Ytterbium	172-1	42	50	42	44	10.82	cps
Ytterbium	172-2	11	22	11	15	43.30	cps
Ytterbium	176-1	1842	1675	1875	1797	5.96	cps
Ytterbium	176-2	1239	1417	1233	1296	8.05	cps
Yttrium	89-1	16327644	16117994	16362347	16269328	0.81	cps
Yttrium	89-2	1629678	1723345	1766586	1706536	4.10	cps
Zinc	66-2	350	287	337	324	10.29	cps
Zirconium	90-1	958	1175	867	1000	15.83	cps
Zirconium	91-1	150	208	217	192	18.95	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:14:19 DataFile Name : 015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5353428	5411742	5402933	5389368	0.58	cps
Antimony	121-1	7035	7369	7277	7227	2.38	cps
Arsenic	75-2	59	82	63	68	18.07	cps
Barium	135-1	2509	2500	2217	2409	6.90	cps
Barium	137-1	4017	4276	4059	4117	3.37	cps
Beryllium	9-1	878	804	812	831	4.89	cps
Bismuth	209-1	6033226	5956416	5957706	5982449	0.74	cps
Bismuth	209-2	3044759	3030981	2995165	3023635	0.85	cps
Boron	10-1	3808	3900	3774	3827	1.70	cps
Boron	11-1	17273	16602	16546	16807	2.41	cps
Bromine	81-1	26562	25309	26061	25978	2.43	cps
Cadmium	111-1	1802	1863	1621	1762	7.14	cps
Cadmium	106-1	5176	5118	5018	5104	1.57	cps
Cadmium	108-1	1959	1700	1933	1864	7.64	cps
Calcium	43-1	2705019	2693645	2671099	2689921	0.64	cps
Calcium	44-1	43089748	43108054	43443419	43213740	0.46	cps
Carbon	12-1	26380710	26721715	26368875	26490433	0.76	cps
Carbon	12-2	290872	293905	295270	293349	0.77	cps
Chlorine	35-1	13495628	17225468	19843594	16854896	18.93	cps
Chlorine	35-2	166206	175573	187368	176382	6.01	cps
Chromium	52-2	39404	40223	40032	39887	1.07	cps
Cobalt	59-2	4007	3877	4184	4023	3.83	cps
Copper	63-2	21039	20869	20859	20922	0.48	cps
Dysprosium	156-1	8	33	17	19	65.47	cps
Dysprosium	156-2	13	7	13	11	34.61	cps
Erbium	164-1	67	150	67	94	50.94	cps
Erbium	164-2	50	40	33	41	20.41	cps
Gadolinium	160-1	92	100	117	103	12.39	cps
Gadolinium	160-2	30	40	37	36	14.32	cps
Holmium	165-1	11068348	10847152	10909411	10941637	1.04	cps
Holmium	165-2	4689350	4673520	4727734	4696868	0.59	cps
Indium	115-1	9646024	9600698	9578971	9608564	0.36	cps
Indium	115-2	1399958	1406638	1395010	1400535	0.42	cps
Iron	54-2	8789719	8736846	8811505	8779357	0.44	cps
Iron	56-2	158953120	157501054	158323404	158259192	0.46	cps
Iron	57-2	4004089	4020392	4037005	4020495	0.41	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:14:19	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	923	967	937	942	2.36	cps
Lead	206-1	22503	22447	22364	22438	0.31	cps
Lead	207-1	17484	17267	17323	17358	0.65	cps
Lead	208-1	82558	83127	82146	82610	0.60	cps
Lithium	6-1	5550067	5602804	5577557	5576809	0.47	cps
Magnesium	24-2	15333531	15756246	15639820	15576532	1.40	cps
Manganese	55-2	7539	7625	7752	7639	1.41	cps
Molybdenum	94-1	4169656	4176108	4133112	4159625	0.56	cps
Molybdenum	95-1	7298458	7305031	7224945	7276145	0.61	cps
Molybdenum	96-1	7876302	7861641	7746117	7828020	0.91	cps
Molybdenum	97-1	4516405	4593489	4475062	4528319	1.33	cps
Molybdenum	98-1	11690261	11697571	11520819	11636217	0.86	cps
Neodymium	150-1	33	47	73	51	39.86	cps
Neodymium	150-2	20	13	10	14	35.26	cps
Nickel	60-2	4931	5004	5258	5064	3.39	cps
Phosphorus	31-2	300835	302746	299374	300985	0.56	cps
Potassium	39-2	11145539	11175410	11181313	11167421	0.17	cps
Rhodium	103-1	8883942	8740632	8741145	8788573	0.94	cps
Rhodium	103-2	3813091	3867822	3918195	3866370	1.36	cps
Scandium	45-1	7374834	7284717	7370722	7343424	0.69	cps
Scandium	45-2	212669	216447	213815	214310	0.90	cps
Selenium	82-1	47	15	48	37	50.42	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	39	41	44	41	6.09	cps
Silicon	28-1	8374455	8370111	8458827	8401131	0.60	cps
Silver	107-1	658	392	458	503	27.60	cps
Silver	109-1	483	433	383	433	11.54	cps
Sodium	23-2	30664841	31101276	31400516	31055544	1.19	cps
Strontium	86-1	87633	87666	86609	87303	0.69	cps
Strontium	88-1	743456	730303	736145	736635	0.89	cps
Sulfur	34-1	4014437	4051310	3895538	3987095	2.04	cps
Terbium	159-1	11472249	11581479	11542548	11532092	0.48	cps
Terbium	159-2	4621449	4651376	4747108	4673311	1.40	cps
Thallium	203-1	958	1242	1433	1211	19.73	cps
Thallium	205-1	2809	3109	2967	2962	5.07	cps
Tin	118-1	2775	3084	3000	2953	5.40	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:14:19	DataFile Name :	015ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2441905	2434495	2454815	2443738	0.42	cps
Uranium	238-1	225	267	233	242	9.12	cps
Vanadium	51-2	213	267	197	226	16.21	cps
Ytterbium	172-1	33	33	25	31	15.74	cps
Ytterbium	172-2	6	0	33	13	137.74	cps
Ytterbium	176-1	1642	1650	1809	1700	5.52	cps
Ytterbium	176-2	1033	1189	978	1067	10.26	cps
Yttrium	89-1	16280885	16103750	16155181	16179939	0.56	cps
Yttrium	89-2	1719170	1747470	1759076	1741905	1.18	cps
Zinc	66-2	3727	3667	3934	3776	3.71	cps
Zirconium	90-1	1208	1175	1158	1181	2.16	cps
Zirconium	91-1	208	175	242	208	16.00	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:17:12 DataFile Name : 016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5551382	5447907	5529353	5509547	0.99	cps
Antimony	121-1	137446	139297	139717	138820	0.87	cps
Arsenic	75-2	3974	3953	4098	4008	1.96	cps
Barium	135-1	36174	37837	38029	37347	2.73	cps
Barium	137-1	64446	64780	64387	64538	0.33	cps
Beryllium	9-1	56346	56866	58018	57077	1.50	cps
Bismuth	209-1	5993433	6060666	6075931	6043343	0.73	cps
Bismuth	209-2	3107599	3063110	3016158	3062289	1.49	cps
Boron	10-1	20951	22268	23378	22199	5.47	cps
Boron	11-1	93859	96400	98997	96419	2.66	cps
Bromine	81-1	27104	26603	27536	27081	1.72	cps
Cadmium	111-1	35919	35779	36925	36208	1.73	cps
Cadmium	106-1	9937	10988	11080	10668	5.95	cps
Cadmium	108-1	4538	4943	4884	4788	4.56	cps
Calcium	43-1	2690638	2744250	2734000	2722963	1.05	cps
Calcium	44-1	43966291	44819288	44290721	44358767	0.97	cps
Carbon	12-1	27362322	28063652	27471151	27632375	1.37	cps
Carbon	12-2	302808	304751	303874	303811	0.32	cps
Chlorine	35-1	22029681	25165812	27023029	24739507	10.20	cps
Chlorine	35-2	209600	215705	228720	218008	4.48	cps
Chromium	52-2	81789	81625	82137	81850	0.32	cps
Cobalt	59-2	75163	75864	76933	75987	1.17	cps
Copper	63-2	73958	74377	74260	74198	0.29	cps
Dysprosium	156-1	8	58	17	28	96.44	cps
Dysprosium	156-2	17	10	10	12	31.50	cps
Erbium	164-1	92	125	158	125	26.67	cps
Erbium	164-2	40	40	43	41	4.68	cps
Gadolinium	160-1	92	133	75	100	30.05	cps
Gadolinium	160-2	30	30	30	30	0.00	cps
Holmium	165-1	11379476	11291081	11441319	11370625	0.66	cps
Holmium	165-2	4742493	4648861	4739261	4710205	1.13	cps
Indium	115-1	9739105	9829570	9713357	9760677	0.63	cps
Indium	115-2	1434463	1420502	1429481	1428148	0.50	cps
Iron	54-2	8963434	8988469	8982354	8978086	0.15	cps
Iron	56-2	163666970	163561026	164265198	163831065	0.23	cps
Iron	57-2	4127188	4169857	4095670	4130905	0.90	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:17:12	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	957	1017	1100	1024	7.03	cps
Lead	206-1	112518	113123	114714	113452	1.00	cps
Lead	207-1	95472	93782	96428	95227	1.41	cps
Lead	208-1	438179	433789	447345	439771	1.57	cps
Lithium	6-1	5602355	5752231	5791281	5715289	1.75	cps
Magnesium	24-2	16205358	15572796	15991785	15923313	2.02	cps
Manganese	55-2	28659	28498	28589	28582	0.28	cps
Molybdenum	94-1	4570495	4526273	4512286	4536351	0.67	cps
Molybdenum	95-1	7452894	7380284	7471663	7434947	0.65	cps
Molybdenum	96-1	7963816	7942496	8057890	7988067	0.77	cps
Molybdenum	97-1	4597186	4532987	4625645	4585273	1.04	cps
Molybdenum	98-1	11797911	11804311	11893573	11831932	0.45	cps
Neodymium	150-1	13	53	33	33	60.01	cps
Neodymium	150-2	3	17	10	10	66.70	cps
Nickel	60-2	24224	23757	24458	24146	1.48	cps
Phosphorus	31-2	306678	307732	309915	308108	0.54	cps
Potassium	39-2	11386437	11436516	11490411	11437788	0.45	cps
Rhodium	103-1	9017667	9008099	9013303	9013023	0.05	cps
Rhodium	103-2	3906188	3913907	3920908	3913668	0.19	cps
Scandium	45-1	7563839	7689379	7623262	7625493	0.82	cps
Scandium	45-2	217801	216758	218835	217798	0.48	cps
Selenium	82-1	2877	2858	2678	2804	3.93	cps
Selenium	77-2	53	80	97	77	28.51	cps
Selenium	78-2	299	293	298	297	1.08	cps
Silicon	28-1	8451847	8335639	8614029	8467172	1.65	cps
Silver	107-1	175818	177068	179391	177426	1.02	cps
Silver	109-1	165774	166785	166262	166274	0.30	cps
Sodium	23-2	31945827	31364486	31895662	31735325	1.02	cps
Strontium	86-1	244461	246750	249666	246959	1.06	cps
Strontium	88-1	2114139	2162375	2118989	2131834	1.25	cps
Sulfur	34-1	3943289	4025010	3982657	3983652	1.03	cps
Terbium	159-1	11702114	11568441	11968316	11746291	1.73	cps
Terbium	159-2	4679461	4596065	4746670	4674065	1.61	cps
Thallium	203-1	115571	114562	114973	115035	0.44	cps
Thallium	205-1	269997	275154	276525	273892	1.26	cps
Tin	118-1	355190	356381	363162	358244	1.20	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:17:12	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2495126	2549707	2501848	2515560	1.18	cps
Uranium	238-1	1069502	1054084	1058608	1060731	0.75	cps
Vanadium	51-2	32293	32243	32784	32440	0.92	cps
Ytterbium	172-1	17	42	8	22	78.07	cps
Ytterbium	172-2	17	6	22	15	57.25	cps
Ytterbium	176-1	1734	1400	1784	1639	12.72	cps
Ytterbium	176-2	1139	1145	1061	1115	4.18	cps
Yttrium	89-1	16374633	16586026	16510140	16490266	0.65	cps
Yttrium	89-2	1710722	1725834	1742128	1726228	0.91	cps
Zinc	66-2	10174	10027	10447	10216	2.09	cps
Zirconium	90-1	803815	821230	823978	816341	1.34	cps
Zirconium	91-1	182600	182847	186022	183823	1.04	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV60	Instrumnet Name :	P8
Client Sample ID :	CCV60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:23:07	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2946304	2986449	2950742	2961165	0.74	cps
Antimony	121-1	3183474	3212263	3280779	3225505	1.55	cps
Arsenic	75-2	94914	95666	95109	95230	0.41	cps
Barium	135-1	4242772	4312528	4390759	4315353	1.72	cps
Barium	137-1	7305299	7278061	7478380	7353913	1.48	cps
Beryllium	9-1	1390573	1417285	1399495	1402451	0.97	cps
Bismuth	209-1	5793550	5792221	5892231	5826001	0.98	cps
Bismuth	209-2	3142626	2956452	2954658	3017912	3.58	cps
Boron	10-1	139651	148707	152120	146826	4.39	cps
Boron	11-1	608466	645634	667077	640393	4.63	cps
Bromine	81-1	25289	25068	24507	24955	1.62	cps
Cadmium	111-1	883105	867222	883645	877991	1.06	cps
Cadmium	106-1	102891	104738	106652	104760	1.80	cps
Cadmium	108-1	67987	68532	68435	68318	0.43	cps
Calcium	43-1	6833451	6745630	6707016	6762032	0.96	cps
Calcium	44-1	111576274	111692176	110669281	111312577	0.50	cps
Carbon	12-1	6048983	6329168	6401409	6259853	2.97	cps
Carbon	12-2	77488	77605	78150	77748	0.45	cps
Chlorine	35-1	3330151	3236899	3200534	3255861	2.05	cps
Chlorine	35-2	21900	21316	21007	21408	2.12	cps
Chromium	52-2	1007280	993389	999702	1000124	0.70	cps
Cobalt	59-2	1776589	1768778	1732022	1759130	1.35	cps
Copper	63-2	13569679	13383586	13489456	13480907	0.69	cps
Dysprosium	156-1	1017	925	875	939	7.65	cps
Dysprosium	156-2	423	387	433	414	5.93	cps
Erbium	164-1	208	250	233	231	9.10	cps
Erbium	164-2	77	113	100	97	19.20	cps
Gadolinium	160-1	1092	1000	1167	1086	7.69	cps
Gadolinium	160-2	523	447	487	486	7.90	cps
Holmium	165-1	11101377	10983534	11354389	11146433	1.70	cps
Holmium	165-2	4852104	4856463	4637722	4782096	2.61	cps
Indium	115-1	9630136	9404615	9737982	9590911	1.77	cps
Indium	115-2	1428652	1413099	1379105	1406952	1.80	cps
Iron	54-2	11244647	11214857	11083322	11180942	0.77	cps
Iron	56-2	203529127	203658121	200672082	202619777	0.83	cps
Iron	57-2	5070338	5037779	5051385	5053168	0.32	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV60	Instrumnet Name :	P8
Client Sample ID :	CCV60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:23:07	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1020	1063	867	983	10.51	cps
Lead	206-1	11504366	11308532	11281587	11364828	1.07	cps
Lead	207-1	9841730	9801294	9927141	9856722	0.65	cps
Lead	208-1	44909623	44724263	45573242	45069043	0.99	cps
Lithium	6-1	5720693	5680298	5702582	5701191	0.35	cps
Magnesium	24-2	40769788	41356902	41216075	41114255	0.75	cps
Manganese	55-2	5546691	5580485	5485930	5537702	0.87	cps
Molybdenum	94-1	8064928	7876679	7959246	7966951	1.18	cps
Molybdenum	95-1	9802497	9691302	9603757	9699185	1.03	cps
Molybdenum	96-1	11054078	10894360	10833576	10927338	1.04	cps
Molybdenum	97-1	5977890	6015760	5950872	5981507	0.54	cps
Molybdenum	98-1	15649322	15505773	15414595	15523230	0.76	cps
Neodymium	150-1	373	427	333	378	12.40	cps
Neodymium	150-2	50	33	30	38	28.37	cps
Nickel	60-2	526414	523147	519034	522865	0.71	cps
Phosphorus	31-2	29990	31359	31902	31084	3.17	cps
Potassium	39-2	14741934	14771167	14755486	14756195	0.10	cps
Rhodium	103-1	8844695	8585272	8661574	8697180	1.53	cps
Rhodium	103-2	3872198	3870588	3757310	3833365	1.72	cps
Scandium	45-1	7626279	7500570	7614139	7580330	0.91	cps
Scandium	45-2	221597	222163	219468	221076	0.64	cps
Selenium	82-1	68477	68021	69306	68601	0.95	cps
Selenium	77-2	1870	2077	1963	1970	5.25	cps
Selenium	78-2	6710	6811	6687	6736	0.98	cps
Silicon	28-1	11252572	11298428	11277158	11276052	0.20	cps
Silver	107-1	5061672	4979425	5142874	5061324	1.61	cps
Silver	109-1	4745515	4690102	4822645	4752754	1.40	cps
Sodium	23-2	78876743	79304983	79825593	79335773	0.60	cps
Strontium	86-1	12564428	12435885	12660209	12553507	0.90	cps
Strontium	88-1	108680311	107899886	109610690	108730295	0.79	cps
Sulfur	34-1	892938	885216	887503	888553	0.45	cps
Terbium	159-1	11698070	11644797	11617671	11653513	0.35	cps
Terbium	159-2	4713093	4787456	4624861	4708470	1.73	cps
Thallium	203-1	2858150	2817148	2804616	2826638	0.99	cps
Thallium	205-1	6508988	6522686	6465247	6498974	0.46	cps
Tin	118-1	2895076	3009209	3004035	2969440	2.17	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV60	Instrumnet Name :	P8
Client Sample ID :	CCV60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:23:07	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3082199	3091286	3032512	3068665	1.03	cps
Uranium	238-1	8433153	8422789	8633225	8496389	1.40	cps
Vanadium	51-2	817167	811470	801448	810029	0.98	cps
Ytterbium	172-1	50	50	33	44	21.66	cps
Ytterbium	172-2	11	22	11	15	43.30	cps
Ytterbium	176-1	1742	1784	2000	1842	7.53	cps
Ytterbium	176-2	894	1039	856	930	10.39	cps
Yttrium	89-1	16623164	16251691	16610878	16495244	1.28	cps
Yttrium	89-2	1783122	1784822	1739272	1769072	1.46	cps
Zinc	66-2	1641613	1672810	1678365	1664263	1.19	cps
Zirconium	90-1	6606435	6502541	6642719	6583898	1.11	cps
Zirconium	91-1	1496623	1484313	1519959	1500298	1.21	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CCB60 Instrumnet Name : P8
 Client Sample ID : CCB60 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:31:28 DataFile Name : 019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	104	87	127	106	18.94	cps
Antimony	121-1	283	408	358	350	17.97	cps
Arsenic	75-2	8	8	2	6	57.74	cps
Barium	135-1	33	8	50	31	68.64	cps
Barium	137-1	42	33	50	42	20.00	cps
Beryllium	9-1	52	42	74	56	29.24	cps
Bismuth	209-1	6341425	6382547	6358428	6360800	0.32	cps
Bismuth	209-2	3298582	3288786	3199730	3262366	1.67	cps
Boron	10-1	4408	4056	4240	4234	4.16	cps
Boron	11-1	18950	19107	18154	18737	2.73	cps
Bromine	81-1	26231	26282	25780	26098	1.06	cps
Cadmium	111-1	1084	1028	1049	1054	2.71	cps
Cadmium	106-1	5376	5126	5285	5262	2.40	cps
Cadmium	108-1	17	8	17	14	34.67	cps
Calcium	43-1	252	250	198	233	13.01	cps
Calcium	44-1	28748	28658	28858	28755	0.35	cps
Carbon	12-1	5245113	5291535	5379443	5305364	1.29	cps
Carbon	12-2	56978	57237	57388	57201	0.36	cps
Chlorine	35-1	1501184	1504322	1457323	1487609	1.77	cps
Chlorine	35-2	10171	10104	10162	10145	0.36	cps
Chromium	52-2	850	883	863	866	1.94	cps
Cobalt	59-2	30	53	67	50	37.12	cps
Copper	63-2	1330	1297	1357	1328	2.26	cps
Dysprosium	156-1	33	8	8	17	86.62	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	117	83	92	97	17.84	cps
Erbium	164-2	47	13	33	31	53.94	cps
Gadolinium	160-1	58	108	67	78	34.45	cps
Gadolinium	160-2	27	27	33	29	13.31	cps
Holmium	165-1	11150214	11097252	10995888	11081118	0.71	cps
Holmium	165-2	4673428	4616424	4839358	4709737	2.46	cps
Indium	115-1	10091311	10177442	10143311	10137355	0.43	cps
Indium	115-2	1474778	1457837	1463312	1465309	0.59	cps
Iron	54-2	417	417	344	393	10.62	cps
Iron	56-2	2578	2450	2589	2539	3.04	cps
Iron	57-2	78	72	67	72	7.69	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB60	Instrumnet Name :	P8
Client Sample ID :	CCB60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:31:28	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	997	1030	1017	1014	1.65	cps
Lead	206-1	1089	995	961	1015	6.53	cps
Lead	207-1	928	1117	1011	1019	9.29	cps
Lead	208-1	4367	4662	4211	4413	5.18	cps
Lithium	6-1	5714121	5568720	5569878	5617573	1.49	cps
Magnesium	24-2	242	183	183	203	16.61	cps
Manganese	55-2	33	43	53	43	23.08	cps
Molybdenum	94-1	392	217	392	333	30.31	cps
Molybdenum	95-1	133	100	83	106	24.12	cps
Molybdenum	96-1	333	150	267	250	37.12	cps
Molybdenum	97-1	58	58	33	50	28.87	cps
Molybdenum	98-1	275	233	208	239	14.10	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	30	27	40	32	21.53	cps
Phosphorus	31-2	92	75	75	81	11.95	cps
Potassium	39-2	22768	23077	23044	22963	0.74	cps
Rhodium	103-1	9591164	9616410	9419596	9542390	1.12	cps
Rhodium	103-2	4190574	4083089	4130592	4134752	1.30	cps
Scandium	45-1	7676973	7596750	7562015	7611913	0.77	cps
Scandium	45-2	217717	215722	214252	215897	0.81	cps
Selenium	82-1	-33	-34	-28	-32	-10.34	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	46	38	52	45	15.50	cps
Silicon	28-1	8506360	8353934	8440392	8433562	0.91	cps
Silver	107-1	225	225	142	197	24.40	cps
Silver	109-1	125	158	175	153	16.66	cps
Sodium	23-2	70437	69223	69181	69614	1.02	cps
Strontium	86-1	1642	1733	1700	1692	2.74	cps
Strontium	88-1	475	508	575	519	9.80	cps
Sulfur	34-1	413596	411813	416262	413890	0.54	cps
Terbium	159-1	11618215	11892124	11632122	11714154	1.32	cps
Terbium	159-2	4724535	4602671	4770485	4699230	1.85	cps
Thallium	203-1	792	742	633	722	11.21	cps
Thallium	205-1	1784	1725	1800	1770	2.23	cps
Tin	118-1	1033	925	1033	997	6.27	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB60	Instrumnet Name :	P8
Client Sample ID :	CCB60	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:31:28	DataFile Name :	019CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	175	258	183	206	22.33	cps
Uranium	238-1	0	8	0	3	173.21	cps
Vanadium	51-2	7	3	0	3	100.05	cps
Ytterbium	172-1	17	50	50	39	49.48	cps
Ytterbium	172-2	28	6	22	19	62.43	cps
Ytterbium	176-1	1884	1784	1642	1770	6.86	cps
Ytterbium	176-2	1150	1278	1167	1198	5.80	cps
Yttrium	89-1	16444960	16813636	16720135	16659577	1.15	cps
Yttrium	89-2	1787850	1751456	1777101	1772136	1.06	cps
Zinc	66-2	297	307	290	298	2.82	cps
Zirconium	90-1	1075	1192	908	1058	13.46	cps
Zirconium	91-1	175	175	200	183	7.87	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:34:36 DataFile Name : 020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1404	1497	1364	1422	4.83	cps
Antimony	121-1	14016	13849	14158	14008	1.10	cps
Arsenic	75-2	235	221	219	225	3.88	cps
Barium	135-1	18371	18313	18254	18313	0.32	cps
Barium	137-1	31120	32130	31429	31560	1.64	cps
Beryllium	9-1	3084	3144	3160	3129	1.28	cps
Bismuth	209-1	6314551	6248079	6131477	6231369	1.49	cps
Bismuth	209-2	3233594	3198665	3347309	3259856	2.38	cps
Boron	10-1	10031	11124	11012	10722	5.61	cps
Boron	11-1	44769	48177	47672	46873	3.92	cps
Bromine	81-1	26011	27174	25359	26181	3.51	cps
Cadmium	111-1	2846	2867	2954	2889	1.99	cps
Cadmium	106-1	5543	5860	5518	5640	3.38	cps
Cadmium	108-1	138	163	196	165	17.71	cps
Calcium	43-1	14824	14961	14846	14877	0.50	cps
Calcium	44-1	267606	269913	264989	267503	0.92	cps
Carbon	12-1	5514219	5525412	5445029	5494887	0.79	cps
Carbon	12-2	59897	59103	59086	59362	0.78	cps
Chlorine	35-1	1279724	1262635	1259626	1267328	0.86	cps
Chlorine	35-2	9128	8945	8311	8795	4.88	cps
Chromium	52-2	5171	5228	5271	5223	0.96	cps
Cobalt	59-2	3981	3961	3951	3964	0.39	cps
Copper	63-2	6752	6918	6902	6857	1.34	cps
Dysprosium	156-1	8	8	0	6	86.60	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	100	92	108	100	8.33	cps
Erbium	164-2	7	37	37	27	64.94	cps
Gadolinium	160-1	75	100	50	75	33.33	cps
Gadolinium	160-2	23	50	23	32	47.79	cps
Holmium	165-1	11108322	10903315	10593579	10868405	2.38	cps
Holmium	165-2	4699380	4595034	4778716	4691044	1.96	cps
Indium	115-1	10029400	10001108	10096157	10042221	0.49	cps
Indium	115-2	1467754	1482911	1479605	1476757	0.54	cps
Iron	54-2	5690	5351	5512	5518	3.07	cps
Iron	56-2	92280	94477	92637	93131	1.27	cps
Iron	57-2	2117	2200	2456	2258	7.82	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:34:36	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	980	987	953	973	1.81	cps
Lead	206-1	5996	5712	6213	5974	4.20	cps
Lead	207-1	4829	5373	5057	5086	5.38	cps
Lead	208-1	23220	23853	23097	23390	1.74	cps
Lithium	6-1	5534512	5712545	5565309	5604122	1.70	cps
Magnesium	24-2	88560	87529	88460	88183	0.64	cps
Manganese	55-2	1200	1173	1277	1217	4.41	cps
Molybdenum	94-1	16794	17812	17294	17300	2.94	cps
Molybdenum	95-1	20098	21375	19414	20296	4.90	cps
Molybdenum	96-1	23312	22277	22936	22841	2.29	cps
Molybdenum	97-1	13081	13048	12756	12962	1.38	cps
Molybdenum	98-1	32146	32873	32798	32606	1.23	cps
Neodymium	150-1	7	20	7	11	69.25	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	1253	1190	1123	1189	5.47	cps
Phosphorus	31-2	92	117	125	111	15.61	cps
Potassium	39-2	84832	85310	86308	85483	0.88	cps
Rhodium	103-1	9538208	9540364	9294240	9457604	1.50	cps
Rhodium	103-2	4064956	4132412	4117727	4105032	0.86	cps
Scandium	45-1	7487687	7456684	7320968	7421780	1.19	cps
Scandium	45-2	218122	221217	220571	219970	0.74	cps
Selenium	82-1	763	817	873	818	6.69	cps
Selenium	77-2	13	17	30	20	44.10	cps
Selenium	78-2	131	125	129	128	2.38	cps
Silicon	28-1	8651986	8538076	8709086	8633049	1.01	cps
Silver	107-1	9587	9562	10521	9890	5.53	cps
Silver	109-1	9303	9745	9645	9565	2.42	cps
Sodium	23-2	240127	237144	239045	238772	0.63	cps
Strontium	86-1	4442	4234	4334	4337	2.40	cps
Strontium	88-1	23837	24430	24288	24185	1.28	cps
Sulfur	34-1	417633	415694	412095	415140	0.68	cps
Terbium	159-1	11441006	11683927	11073624	11399519	2.70	cps
Terbium	159-2	4679370	4691487	4815084	4728647	1.59	cps
Thallium	203-1	6352	7044	6343	6580	6.11	cps
Thallium	205-1	16002	16670	15109	15927	4.92	cps
Tin	118-1	32857	33500	32330	32896	1.78	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:34:36	DataFile Name :	020LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7019	7052	6168	6746	7.42	cps
Uranium	238-1	17295	17721	15852	16956	5.78	cps
Vanadium	51-2	8599	8829	8803	8744	1.44	cps
Ytterbium	172-1	42	33	25	33	25.01	cps
Ytterbium	172-2	0	17	11	9	91.66	cps
Ytterbium	176-1	1725	1792	1750	1756	1.92	cps
Ytterbium	176-2	1039	1056	978	1024	4.00	cps
Yttrium	89-1	16616980	16673754	16192679	16494471	1.59	cps
Yttrium	89-2	1756183	1782365	1792371	1776973	1.05	cps
Zinc	66-2	1017	1157	1110	1094	6.51	cps
Zirconium	90-1	14516	14908	14900	14775	1.52	cps
Zirconium	91-1	3317	3125	3501	3314	5.66	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BL	Instrumnet Name :	P8
Client Sample ID :	PB137468BL	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:37:40	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	130	121	114	122	6.68	cps
Antimony	121-1	125	142	150	139	9.17	cps
Arsenic	75-2	2	3	5	3	45.83	cps
Barium	135-1	83	17	75	58	62.27	cps
Barium	137-1	42	50	50	47	10.18	cps
Beryllium	9-1	72	66	62	67	7.55	cps
Bismuth	209-1	6214834	6318382	6166735	6233317	1.24	cps
Bismuth	209-2	3246170	3230342	3299016	3258509	1.10	cps
Boron	10-1	3898	3936	3618	3817	4.55	cps
Boron	11-1	17045	16644	16244	16644	2.41	cps
Bromine	81-1	26021	26633	26041	26232	1.32	cps
Cadmium	111-1	992	1059	1083	1045	4.51	cps
Cadmium	106-1	5043	5335	5518	5298	4.52	cps
Cadmium	108-1	29	17	29	25	28.86	cps
Calcium	43-1	275	283	272	277	2.14	cps
Calcium	44-1	28968	28520	28791	28760	0.78	cps
Carbon	12-1	5771295	5739588	5672488	5727790	0.88	cps
Carbon	12-2	61864	62659	62483	62336	0.67	cps
Chlorine	35-1	1164519	1183729	1170807	1173019	0.83	cps
Chlorine	35-2	8519	8269	7652	8147	5.48	cps
Chromium	52-2	803	763	767	778	2.85	cps
Cobalt	59-2	40	60	83	61	35.49	cps
Copper	63-2	1310	1267	1220	1266	3.56	cps
Dysprosium	156-1	17	8	0	8	100.02	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	92	117	42	83	45.82	cps
Erbium	164-2	20	33	33	29	26.64	cps
Gadolinium	160-1	75	125	58	86	40.30	cps
Gadolinium	160-2	23	20	20	21	9.11	cps
Holmium	165-1	10873940	11119536	10675824	10889767	2.04	cps
Holmium	165-2	4707619	4616147	4679357	4667708	1.00	cps
Indium	115-1	9730116	10021291	9951478	9900962	1.54	cps
Indium	115-2	1509776	1481171	1493612	1494853	0.96	cps
Iron	54-2	489	339	411	413	18.17	cps
Iron	56-2	2645	2611	2800	2685	3.75	cps
Iron	57-2	78	56	33	56	40.00	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BL	Instrumnet Name :	P8
Client Sample ID :	PB137468BL	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:37:40	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	987	907	917	937	4.65	cps
Lead	206-1	939	956	967	954	1.47	cps
Lead	207-1	794	817	806	806	1.38	cps
Lead	208-1	3856	3773	3711	3780	1.92	cps
Lithium	6-1	5689176	5618067	5725252	5677498	0.96	cps
Magnesium	24-2	125	283	233	214	37.84	cps
Manganese	55-2	37	37	37	37	0.00	cps
Molybdenum	94-1	283	217	250	250	13.33	cps
Molybdenum	95-1	25	17	33	25	33.32	cps
Molybdenum	96-1	125	158	175	153	16.67	cps
Molybdenum	97-1	8	58	25	31	83.33	cps
Molybdenum	98-1	50	67	92	69	30.20	cps
Neodymium	150-1	0	7	7	4	86.60	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	40	53	47	47	14.28	cps
Phosphorus	31-2	100	125	92	106	16.43	cps
Potassium	39-2	22702	22969	23486	23052	1.73	cps
Rhodium	103-1	9447015	9740328	9406673	9531339	1.91	cps
Rhodium	103-2	4116870	4094641	4175504	4129005	1.01	cps
Scandium	45-1	7405022	7525131	7381107	7437087	1.04	cps
Scandium	45-2	220111	218397	220018	219509	0.44	cps
Selenium	82-1	46	107	108	87	40.77	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	50	44	50	48	7.23	cps
Silicon	28-1	8429498	8606789	8619442	8551910	1.24	cps
Silver	107-1	167	275	233	225	24.29	cps
Silver	109-1	133	167	108	136	21.50	cps
Sodium	23-2	69323	68704	68185	68737	0.83	cps
Strontium	86-1	1859	1692	1583	1711	8.10	cps
Strontium	88-1	667	650	667	661	1.46	cps
Sulfur	34-1	422743	418007	418679	419810	0.61	cps
Terbium	159-1	11453753	11755351	11576111	11595072	1.31	cps
Terbium	159-2	4665938	4665227	4637343	4656169	0.35	cps
Thallium	203-1	617	717	708	681	8.15	cps
Thallium	205-1	1742	1592	1617	1650	4.87	cps
Tin	118-1	1142	1100	858	1033	14.81	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BL	Instrumnet Name :	P8
Client Sample ID :	PB137468BL	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:37:40	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	158	183	167	169	7.51	cps
Uranium	238-1	0	8	0	3	173.21	cps
Vanadium	51-2	7	0	3	3	100.05	cps
Ytterbium	172-1	50	33	25	36	35.25	cps
Ytterbium	172-2	6	6	6	6	0.00	cps
Ytterbium	176-1	1742	1717	1800	1753	2.44	cps
Ytterbium	176-2	1122	956	972	1017	9.03	cps
Yttrium	89-1	16510139	16903010	16172713	16528621	2.21	cps
Yttrium	89-2	1775980	1759650	1756213	1763948	0.60	cps
Zinc	66-2	373	283	310	322	14.35	cps
Zirconium	90-1	1042	867	975	961	9.19	cps
Zirconium	91-1	217	167	183	189	13.48	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : PB137468BS Instrumnet Name : P8
 Client Sample ID : PB137468BS Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 12:40:42 DataFile Name : 022LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	601284	597427	594139	597617	0.60	cps
Antimony	121-1	3389793	3412195	3423763	3408583	0.51	cps
Arsenic	75-2	99441	99033	99728	99401	0.35	cps
Barium	135-1	4391024	4382143	4501899	4425022	1.51	cps
Barium	137-1	7489523	7553497	7614357	7552459	0.83	cps
Beryllium	9-1	1381284	1431709	1396677	1403223	1.84	cps
Bismuth	209-1	6169549	6225330	6105795	6166891	0.97	cps
Bismuth	209-2	3091278	3148756	3175721	3138585	1.37	cps
Boron	10-1	136201	144113	147372	142562	4.03	cps
Boron	11-1	582966	630521	652973	622153	5.75	cps
Bromine	81-1	26803	25790	26302	26298	1.93	cps
Cadmium	111-1	885047	905647	889870	893521	1.21	cps
Cadmium	106-1	108600	107030	106065	107232	1.19	cps
Cadmium	108-1	72372	73268	72749	72797	0.62	cps
Calcium	43-1	1433672	1435777	1413337	1427595	0.87	cps
Calcium	44-1	22487030	22882722	22866187	22745313	0.98	cps
Carbon	12-1	6170607	6367212	6573489	6370436	3.16	cps
Carbon	12-2	73845	75285	76633	75254	1.85	cps
Chlorine	35-1	1117593	1136705	1114699	1122999	1.06	cps
Chlorine	35-2	7936	7961	7344	7747	4.51	cps
Chromium	52-2	1031491	1034462	1031370	1032441	0.17	cps
Cobalt	59-2	1859566	1872075	1871649	1867763	0.38	cps
Copper	63-2	13551712	13529941	13457884	13513179	0.36	cps
Dysprosium	156-1	267	267	250	261	3.69	cps
Dysprosium	156-2	83	107	87	92	13.69	cps
Erbium	164-1	58	75	67	67	12.50	cps
Erbium	164-2	57	47	63	56	15.09	cps
Gadolinium	160-1	258	317	333	303	13.01	cps
Gadolinium	160-2	137	143	87	122	25.34	cps
Holmium	165-1	11106966	11346340	11070175	11174493	1.34	cps
Holmium	165-2	4723320	4706529	4693229	4707693	0.32	cps
Indium	115-1	10041357	10070090	9882644	9998030	1.01	cps
Indium	115-2	1428368	1442964	1447338	1439557	0.69	cps
Iron	54-2	2412188	2369015	2399894	2393699	0.93	cps
Iron	56-2	42712498	42283744	42053404	42349882	0.79	cps
Iron	57-2	1040164	1042013	1043076	1041751	0.14	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BS	Instrumnet Name :	P8
Client Sample ID :	PB137468BS	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:40:42	DataFile Name :	022LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1060	1063	980	1034	4.56	cps
Lead	206-1	11675956	11977565	11932834	11862118	1.37	cps
Lead	207-1	10065581	10210683	10334800	10203688	1.32	cps
Lead	208-1	46384580	46591969	47372170	46782906	1.11	cps
Lithium	6-1	5680235	5884413	5785877	5783508	1.77	cps
Magnesium	24-2	8631724	8665939	8574691	8624118	0.53	cps
Manganese	55-2	5519281	5436337	5397630	5451083	1.14	cps
Molybdenum	94-1	8245865	8093841	8119457	8153054	1.00	cps
Molybdenum	95-1	10055562	9998740	9909504	9987936	0.74	cps
Molybdenum	96-1	11268537	11238469	11049687	11185564	1.06	cps
Molybdenum	97-1	6193776	6174585	6111122	6159827	0.70	cps
Molybdenum	98-1	15986193	16128523	15668231	15927649	1.48	cps
Neodymium	150-1	307	393	340	347	12.61	cps
Neodymium	150-2	20	10	20	17	34.64	cps
Nickel	60-2	491897	491101	486092	489697	0.64	cps
Phosphorus	31-2	32729	32145	31777	32217	1.49	cps
Potassium	39-2	2996660	3040949	3001159	3012923	0.81	cps
Rhodium	103-1	9479775	9499133	9367273	9448727	0.75	cps
Rhodium	103-2	4005079	4027378	4021059	4017839	0.29	cps
Scandium	45-1	7676847	7770135	7711821	7719601	0.61	cps
Scandium	45-2	219760	217482	218802	218682	0.52	cps
Selenium	82-1	73902	73521	73225	73550	0.46	cps
Selenium	77-2	2000	2074	2050	2041	1.84	cps
Selenium	78-2	7162	7245	7148	7185	0.73	cps
Silicon	28-1	11919887	11883638	11973402	11925642	0.38	cps
Silver	107-1	4876045	4789784	4797218	4821016	0.99	cps
Silver	109-1	4618137	4520653	4606839	4581876	1.16	cps
Sodium	23-2	16563960	16106308	16086824	16252364	1.66	cps
Strontium	86-1	13017851	13075816	13193204	13095624	0.68	cps
Strontium	88-1	111251136	111580740	113409403	112080426	1.04	cps
Sulfur	34-1	924953	927116	914340	922137	0.74	cps
Terbium	159-1	11912958	12046123	12003331	11987471	0.57	cps
Terbium	159-2	4708148	4705191	4738805	4717381	0.39	cps
Thallium	203-1	2908430	2944581	2926121	2926377	0.62	cps
Thallium	205-1	6786891	6794899	6788596	6790129	0.06	cps
Tin	118-1	3111526	3081481	3128218	3107075	0.76	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468BS	Instrumnet Name :	P8
Client Sample ID :	PB137468BS	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 12:40:42	DataFile Name :	022LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3132642	3151986	3185917	3156848	0.85	cps
Uranium	238-1	8382269	8530823	8529681	8480924	1.01	cps
Vanadium	51-2	824587	827239	822883	824903	0.27	cps
Ytterbium	172-1	33	25	17	25	33.32	cps
Ytterbium	172-2	6	22	0	9	124.87	cps
Ytterbium	176-1	1817	1909	1775	1834	3.72	cps
Ytterbium	176-2	744	1072	878	898	18.35	cps
Yttrium	89-1	16863290	16746681	17152840	16920937	1.24	cps
Yttrium	89-2	1759246	1789734	1781008	1776663	0.88	cps
Zinc	66-2	1742130	1703998	1695101	1713743	1.46	cps
Zirconium	90-1	6743255	6659047	6786254	6729519	0.96	cps
Zirconium	91-1	1532656	1512447	1520394	1521832	0.67	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : PB137468TB Instrumnet Name : P8
 Client Sample ID : PB137468TB Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 12:53:17 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	179	189	192	187	3.81	cps
Antimony	121-1	283	175	317	258	28.67	cps
Arsenic	75-2	5	7	7	6	18.23	cps
Barium	135-1	67	42	17	42	60.00	cps
Barium	137-1	58	42	100	67	45.06	cps
Beryllium	9-1	56	72	84	71	19.88	cps
Bismuth	209-1	6269735	6145959	6102003	6172566	1.41	cps
Bismuth	209-2	3175741	3225808	3206057	3202535	0.79	cps
Boron	10-1	3680	3812	3946	3812	3.49	cps
Boron	11-1	16840	15919	15899	16220	3.31	cps
Bromine	81-1	25128	25539	25921	25530	1.55	cps
Cadmium	111-1	1036	971	996	1001	3.27	cps
Cadmium	106-1	5218	4843	4984	5015	3.78	cps
Cadmium	108-1	29	21	13	21	40.01	cps
Calcium	43-1	477	447	423	449	5.99	cps
Calcium	44-1	31073	31931	31376	31460	1.38	cps
Carbon	12-1	5588624	5474597	5540054	5534425	1.03	cps
Carbon	12-2	58927	59881	58224	59011	1.41	cps
Chlorine	35-1	974697	965260	967587	969181	0.51	cps
Chlorine	35-2	6693	6427	6635	6585	2.13	cps
Chromium	52-2	893	873	827	864	3.96	cps
Cobalt	59-2	80	47	67	64	26.03	cps
Copper	63-2	1120	1117	1213	1150	4.77	cps
Dysprosium	156-1	0	17	8	8	100.02	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	83	75	67	75	11.11	cps
Erbium	164-2	23	37	33	31	22.31	cps
Gadolinium	160-1	33	42	92	56	56.79	cps
Gadolinium	160-2	43	7	23	24	75.09	cps
Holmium	165-1	10763387	10642018	10857770	10754392	1.01	cps
Holmium	165-2	4647605	4586648	4572019	4602090	0.87	cps
Indium	115-1	10153550	9994155	9838665	9995457	1.58	cps
Indium	115-2	1421017	1427969	1435215	1428067	0.50	cps
Iron	54-2	589	589	622	600	3.21	cps
Iron	56-2	6874	7052	6813	6913	1.80	cps
Iron	57-2	161	200	150	170	15.41	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468TB	Instrumnet Name :	P8
Client Sample ID :	PB137468TB	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:53:17	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1067	947	820	944	13.06	cps
Lead	206-1	939	945	867	917	4.73	cps
Lead	207-1	772	861	744	793	7.69	cps
Lead	208-1	3661	3634	3328	3541	5.22	cps
Lithium	6-1	5584463	5625891	5593289	5601215	0.39	cps
Magnesium	24-2	300	308	333	314	5.53	cps
Manganese	55-2	297	247	310	284	11.74	cps
Molybdenum	94-1	308	367	283	319	13.39	cps
Molybdenum	95-1	100	58	83	81	26.04	cps
Molybdenum	96-1	133	158	167	153	11.35	cps
Molybdenum	97-1	58	75	33	56	37.75	cps
Molybdenum	98-1	117	117	50	94	40.76	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	40	50	57	49	17.16	cps
Phosphorus	31-2	117	108	75	100	22.05	cps
Potassium	39-2	23153	22735	22126	22671	2.28	cps
Rhodium	103-1	9482342	9190861	9147747	9273650	1.96	cps
Rhodium	103-2	3937904	4020044	3978983	3978977	1.03	cps
Scandium	45-1	7475505	7441049	7399984	7438846	0.51	cps
Scandium	45-2	210322	210604	214662	211863	1.15	cps
Selenium	82-1	-75	55	143	41	266.07	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	36	48	46	43	14.84	cps
Silicon	28-1	8657119	8609915	8607778	8624937	0.32	cps
Silver	107-1	142	192	100	144	31.78	cps
Silver	109-1	42	83	125	83	50.00	cps
Sodium	23-2	67824	65640	67306	66923	1.71	cps
Strontium	86-1	1775	1575	1658	1670	6.02	cps
Strontium	88-1	1083	1000	908	997	8.78	cps
Sulfur	34-1	409235	414678	417339	413751	1.00	cps
Terbium	159-1	11731271	11612449	11389873	11577864	1.50	cps
Terbium	159-2	4635482	4616120	4536520	4596040	1.14	cps
Thallium	203-1	833	833	700	789	9.76	cps
Thallium	205-1	1834	1817	1717	1789	3.53	cps
Tin	118-1	917	1083	892	964	10.81	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	PB137468TB	Instrumnet Name :	P8
Client Sample ID :	PB137468TB	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:53:17	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	175	183	342	233	40.25	cps
Uranium	238-1	8	8	25	14	69.31	cps
Vanadium	51-2	0	10	13	8	89.21	cps
Ytterbium	172-1	25	17	58	33	66.14	cps
Ytterbium	172-2	11	17	28	19	45.83	cps
Ytterbium	176-1	1750	1692	1800	1747	3.10	cps
Ytterbium	176-2	1195	1211	1283	1230	3.84	cps
Yttrium	89-1	16192844	16046811	16441835	16227163	1.23	cps
Yttrium	89-2	1706744	1733219	1711433	1717132	0.82	cps
Zinc	66-2	377	310	347	344	9.69	cps
Zirconium	90-1	908	1042	967	972	6.87	cps
Zirconium	91-1	200	200	150	183	15.75	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:56:30	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	300716	299481	300365	300187	0.21	cps
Antimony	121-1	167	217	142	175	21.82	cps
Arsenic	75-2	93	83	94	90	6.76	cps
Barium	135-1	19974	19782	19873	19876	0.48	cps
Barium	137-1	33634	35597	35029	34754	2.91	cps
Beryllium	9-1	244	272	272	263	6.16	cps
Bismuth	209-1	5940858	6181315	5719594	5947256	3.88	cps
Bismuth	209-2	3200656	3135017	3154571	3163415	1.07	cps
Boron	10-1	51411	57338	57890	55546	6.47	cps
Boron	11-1	231305	254293	260406	248668	6.17	cps
Bromine	81-1	26182	27265	27154	26867	2.22	cps
Cadmium	111-1	1114	1242	1122	1160	6.20	cps
Cadmium	106-1	4951	5460	5051	5154	5.23	cps
Cadmium	108-1	38	29	54	40	31.60	cps
Calcium	43-1	952861	962290	942974	952708	1.01	cps
Calcium	44-1	15447320	15215027	15222478	15294942	0.86	cps
Carbon	12-1	5663296	5566824	5678825	5636315	1.08	cps
Carbon	12-2	60651	59546	60157	60118	0.92	cps
Chlorine	35-1	956414	959118	954052	956528	0.26	cps
Chlorine	35-2	6485	6969	6443	6632	4.40	cps
Chromium	52-2	3320	3510	3364	3398	2.93	cps
Cobalt	59-2	46606	46064	46178	46283	0.62	cps
Copper	63-2	106261	104161	105478	105300	1.01	cps
Dysprosium	156-1	10621	10271	9804	10232	4.01	cps
Dysprosium	156-2	4157	4027	4277	4154	3.01	cps
Erbium	164-1	12907	12932	13140	12993	0.99	cps
Erbium	164-2	5274	5498	5384	5386	2.07	cps
Gadolinium	160-1	11063	11155	10888	11035	1.23	cps
Gadolinium	160-2	5014	5041	5144	5067	1.36	cps
Holmium	165-1	10704656	10767114	10140208	10537326	3.28	cps
Holmium	165-2	4692306	4602127	4623998	4639477	1.01	cps
Indium	115-1	9581928	9885586	9224091	9563868	3.46	cps
Indium	115-2	1446866	1418541	1436771	1434060	1.00	cps
Iron	54-2	1517205	1458931	1470739	1482292	2.08	cps
Iron	56-2	26890213	26781456	26604110	26758593	0.54	cps
Iron	57-2	664695	661145	655810	660550	0.68	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:56:30	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1057	1093	1067	1072	1.77	cps
Lead	206-1	3012	2950	2645	2869	6.85	cps
Lead	207-1	2545	2300	2084	2310	9.99	cps
Lead	208-1	11536	11297	10630	11154	4.21	cps
Lithium	6-1	5623888	5775371	5178622	5525960	5.61	cps
Magnesium	24-2	725452	732017	720074	725848	0.82	cps
Manganese	55-2	504078	503000	498999	502026	0.53	cps
Molybdenum	94-1	925	983	875	928	5.84	cps
Molybdenum	95-1	150	275	250	225	29.40	cps
Molybdenum	96-1	1125	1067	1083	1092	2.75	cps
Molybdenum	97-1	200	133	200	178	21.65	cps
Molybdenum	98-1	208	250	317	258	21.15	cps
Neodymium	150-1	10804	10778	11045	10876	1.35	cps
Neodymium	150-2	3377	3240	3250	3289	2.32	cps
Nickel	60-2	6638	6518	6782	6646	1.98	cps
Phosphorus	31-2	508	500	592	533	9.50	cps
Potassium	39-2	57632	60067	57841	58513	2.31	cps
Rhodium	103-1	9028843	9240103	8717953	8995633	2.92	cps
Rhodium	103-2	4066654	3941352	3996415	4001474	1.57	cps
Scandium	45-1	7352925	7291846	6854300	7166357	3.80	cps
Scandium	45-2	215748	211495	215188	214143	1.08	cps
Selenium	82-1	41	45	131	72	69.67	cps
Selenium	77-2	7	7	27	13	86.58	cps
Selenium	78-2	58	68	68	65	8.93	cps
Silicon	28-1	33350976	33379097	32950617	33226897	0.72	cps
Silver	107-1	150	167	200	172	14.78	cps
Silver	109-1	75	100	92	89	14.32	cps
Sodium	23-2	3301152	3319352	3234523	3285009	1.36	cps
Strontium	86-1	213376	214155	212785	213438	0.32	cps
Strontium	88-1	1894550	1845591	1822394	1854178	1.99	cps
Sulfur	34-1	2218056	2222721	2166852	2202543	1.41	cps
Terbium	159-1	11404469	11647734	10645335	11232513	4.65	cps
Terbium	159-2	4706268	4499731	4637507	4614502	2.28	cps
Thallium	203-1	742	833	758	778	6.28	cps
Thallium	205-1	1909	1900	1950	1920	1.40	cps
Tin	118-1	1350	1392	1233	1325	6.19	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:56:30	DataFile Name :	024AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1092	742	992	942	19.14	cps
Uranium	238-1	10663	9887	10004	10185	4.11	cps
Vanadium	51-2	37255	36610	36750	36872	0.92	cps
Ytterbium	172-1	4534	4343	4126	4334	4.72	cps
Ytterbium	172-2	2128	1950	1872	1984	6.61	cps
Ytterbium	176-1	4051	3884	4059	3998	2.47	cps
Ytterbium	176-2	2395	2267	2211	2291	4.10	cps
Yttrium	89-1	16460799	16634956	15665766	16253840	3.18	cps
Yttrium	89-2	1764958	1718526	1750635	1744706	1.36	cps
Zinc	66-2	28512	28349	28950	28603	1.09	cps
Zirconium	90-1	1942	1984	2025	1984	2.10	cps
Zirconium	91-1	467	575	425	489	15.84	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DUPDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:59:31	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	298137	300378	295998	298171	0.73	cps
Antimony	121-1	175	92	158	142	31.13	cps
Arsenic	75-2	76	88	86	83	7.71	cps
Barium	135-1	19873	19807	20199	19960	1.05	cps
Barium	137-1	34812	34887	34938	34879	0.18	cps
Beryllium	9-1	250	280	232	254	9.55	cps
Bismuth	209-1	6152018	6267722	6243369	6221037	0.98	cps
Bismuth	209-2	3174795	3171207	3202785	3182929	0.54	cps
Boron	10-1	55600	58924	60635	58386	4.38	cps
Boron	11-1	243941	265995	276229	262055	6.30	cps
Bromine	81-1	25941	26252	25028	25740	2.47	cps
Cadmium	111-1	1164	1149	1112	1142	2.32	cps
Cadmium	106-1	5335	5143	5159	5212	2.04	cps
Cadmium	108-1	46	25	46	39	30.93	cps
Calcium	43-1	928800	944128	918532	930487	1.38	cps
Calcium	44-1	15220280	15593224	14845095	15219533	2.46	cps
Carbon	12-1	5534091	5660742	5536190	5577008	1.30	cps
Carbon	12-2	59237	62073	61395	60902	2.43	cps
Chlorine	35-1	964358	966683	960224	963755	0.34	cps
Chlorine	35-2	6718	6227	6994	6646	5.85	cps
Chromium	52-2	3327	3594	3467	3463	3.85	cps
Cobalt	59-2	45967	46780	45800	46182	1.14	cps
Copper	63-2	102003	104243	103675	103307	1.13	cps
Dysprosium	156-1	10321	10304	10671	10432	1.99	cps
Dysprosium	156-2	4077	4124	4234	4145	1.94	cps
Erbium	164-1	12973	13466	12139	12859	5.21	cps
Erbium	164-2	5121	5408	5364	5298	2.92	cps
Gadolinium	160-1	10329	10905	10554	10596	2.74	cps
Gadolinium	160-2	4674	4968	5084	4909	4.31	cps
Holmium	165-1	11031630	10909248	11165588	11035489	1.16	cps
Holmium	165-2	4598913	4709761	4787859	4698845	2.02	cps
Indium	115-1	9623051	9940157	9865646	9809618	1.69	cps
Indium	115-2	1445912	1446408	1466900	1453074	0.82	cps
Iron	54-2	1479592	1462220	1483838	1475217	0.78	cps
Iron	56-2	26653661	26644069	26287364	26528364	0.79	cps
Iron	57-2	646470	651097	647479	648349	0.38	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DUPDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:59:31	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	963	1040	1013	1006	3.87	cps
Lead	206-1	2856	2723	2806	2795	2.41	cps
Lead	207-1	2422	2184	2489	2365	6.79	cps
Lead	208-1	10724	11197	10580	10833	2.98	cps
Lithium	6-1	5639005	5672557	5796226	5702596	1.45	cps
Magnesium	24-2	709735	722430	714595	715587	0.90	cps
Manganese	55-2	490743	499638	497822	496067	0.95	cps
Molybdenum	94-1	958	917	950	942	2.34	cps
Molybdenum	95-1	242	225	292	253	13.73	cps
Molybdenum	96-1	983	1108	1067	1053	6.05	cps
Molybdenum	97-1	133	108	75	106	27.73	cps
Molybdenum	98-1	308	400	242	317	25.10	cps
Neodymium	150-1	9917	10731	10651	10433	4.30	cps
Neodymium	150-2	3467	3450	3501	3473	0.73	cps
Nickel	60-2	6505	6692	6568	6588	1.44	cps
Phosphorus	31-2	617	533	525	558	9.08	cps
Potassium	39-2	59029	58787	57532	58449	1.38	cps
Rhodium	103-1	9126129	9279366	9298998	9234831	1.02	cps
Rhodium	103-2	3971772	3965120	4017051	3984648	0.71	cps
Scandium	45-1	7444095	7539938	7518451	7500828	0.67	cps
Scandium	45-2	214536	215264	218027	215942	0.85	cps
Selenium	82-1	125	40	1	55	115.00	cps
Selenium	77-2	23	23	17	21	18.21	cps
Selenium	78-2	68	85	56	70	20.91	cps
Silicon	28-1	33015406	32997322	32401486	32804738	1.06	cps
Silver	107-1	167	175	133	158	13.93	cps
Silver	109-1	92	142	83	106	29.89	cps
Sodium	23-2	3221340	3259475	3233953	3238256	0.60	cps
Strontium	86-1	210332	211804	207853	209996	0.95	cps
Strontium	88-1	1812712	1813315	1777943	1801324	1.12	cps
Sulfur	34-1	2139961	2190473	2125293	2151909	1.59	cps
Terbium	159-1	11483200	11437199	11387932	11436110	0.42	cps
Terbium	159-2	4600080	4691724	4763368	4685057	1.75	cps
Thallium	203-1	817	675	792	761	9.93	cps
Thallium	205-1	1683	1617	1817	1706	5.97	cps
Tin	118-1	1158	1042	1192	1131	6.97	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02DUPDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 12:59:31	DataFile Name :	025AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	900	842	1000	914	8.76	cps
Uranium	238-1	9696	10430	9946	10024	3.72	cps
Vanadium	51-2	37272	35698	36316	36428	2.18	cps
Ytterbium	172-1	4067	4176	4084	4109	1.42	cps
Ytterbium	172-2	1972	2145	1961	2026	5.07	cps
Ytterbium	176-1	4117	4309	4409	4279	3.47	cps
Ytterbium	176-2	2161	2256	2295	2237	3.07	cps
Yttrium	89-1	16641354	16555007	16564645	16587002	0.29	cps
Yttrium	89-2	1777391	1756413	1782252	1772019	0.77	cps
Zinc	66-2	27510	27994	28261	27922	1.36	cps
Zirconium	90-1	2325	2092	1967	2128	8.55	cps
Zirconium	91-1	400	267	425	364	23.39	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02LDLX50 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 50
 Date & Time Acquired :: 2021-07-07 13:02:29 DataFile Name : 026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	58657	59139	58932	58909	0.41	cps
Antimony	121-1	167	142	125	144	14.52	cps
Arsenic	75-2	24	18	24	22	15.75	cps
Barium	135-1	4176	3992	3917	4028	3.30	cps
Barium	137-1	6677	6935	6477	6696	3.43	cps
Beryllium	9-1	94	96	96	95	1.21	cps
Bismuth	209-1	6237272	6206489	6215773	6219844	0.25	cps
Bismuth	209-2	3190367	3186464	3153881	3176904	0.63	cps
Boron	10-1	18566	18986	18574	18709	1.29	cps
Boron	11-1	82956	83364	83049	83123	0.26	cps
Bromine	81-1	25871	25850	26503	26075	1.42	cps
Cadmium	111-1	1096	1028	1057	1060	3.25	cps
Cadmium	106-1	5368	5068	5276	5237	2.94	cps
Cadmium	108-1	21	33	33	29	24.75	cps
Calcium	43-1	186215	187988	184687	186297	0.89	cps
Calcium	44-1	3054760	3136599	3028891	3073417	1.83	cps
Carbon	12-1	5589673	5581840	5547537	5573017	0.40	cps
Carbon	12-2	60266	59153	60559	59992	1.24	cps
Chlorine	35-1	936139	935637	945375	939050	0.58	cps
Chlorine	35-2	6802	7044	6527	6791	3.81	cps
Chromium	52-2	1377	1217	1230	1275	6.97	cps
Cobalt	59-2	9223	9266	9133	9208	0.74	cps
Copper	63-2	21086	20749	21293	21042	1.31	cps
Dysprosium	156-1	2075	2159	2050	2095	2.71	cps
Dysprosium	156-2	810	800	800	803	0.72	cps
Erbium	164-1	2642	3025	2617	2761	8.29	cps
Erbium	164-2	957	1070	963	997	6.38	cps
Gadolinium	160-1	2267	2134	1984	2128	6.66	cps
Gadolinium	160-2	933	893	967	931	3.94	cps
Holmium	165-1	11104343	10988092	10781023	10957819	1.49	cps
Holmium	165-2	4616923	4611160	4639052	4622378	0.32	cps
Indium	115-1	9849166	9785041	9833416	9822541	0.34	cps
Indium	115-2	1446287	1429685	1442184	1439385	0.60	cps
Iron	54-2	286805	282079	286941	285275	0.97	cps
Iron	56-2	5249365	5193329	5241978	5228224	0.58	cps
Iron	57-2	129510	129689	127431	128877	0.97	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02LDLX50	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	50
Date & Time Acquired ::	2021-07-07 13:02:29	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	973	953	947	958	1.45	cps
Lead	206-1	1239	1217	1083	1180	7.13	cps
Lead	207-1	1039	1072	1056	1056	1.58	cps
Lead	208-1	4928	4912	4623	4821	3.56	cps
Lithium	6-1	5782089	5880376	5659965	5774143	1.91	cps
Magnesium	24-2	141002	140801	141709	141171	0.34	cps
Manganese	55-2	99702	97893	97628	98407	1.15	cps
Molybdenum	94-1	450	492	425	456	7.39	cps
Molybdenum	95-1	100	67	100	89	21.65	cps
Molybdenum	96-1	300	275	408	328	21.62	cps
Molybdenum	97-1	67	33	8	36	81.06	cps
Molybdenum	98-1	125	100	125	117	12.37	cps
Neodymium	150-1	2054	2234	2007	2098	5.71	cps
Neodymium	150-2	690	643	710	681	5.02	cps
Nickel	60-2	1400	1353	1410	1388	2.18	cps
Phosphorus	31-2	242	142	158	181	29.67	cps
Potassium	39-2	29364	28621	29213	29066	1.35	cps
Rhodium	103-1	9183296	9344406	9165222	9230975	1.07	cps
Rhodium	103-2	3997326	3983131	3985039	3988498	0.19	cps
Scandium	45-1	7373739	7546492	7323607	7414613	1.58	cps
Scandium	45-2	216382	213837	213490	214570	0.74	cps
Selenium	82-1	45	65	82	64	28.59	cps
Selenium	77-2	3	0	17	7	132.33	cps
Selenium	78-2	56	56	44	52	13.33	cps
Silicon	28-1	13440546	13580081	13439857	13486828	0.60	cps
Silver	107-1	117	183	192	164	25.08	cps
Silver	109-1	83	58	42	61	34.32	cps
Sodium	23-2	705499	687778	701490	698256	1.33	cps
Strontium	86-1	43376	42908	41822	42702	1.87	cps
Strontium	88-1	360271	363479	347758	357169	2.33	cps
Sulfur	34-1	875774	873681	861323	870259	0.90	cps
Terbium	159-1	11677998	11700282	11413390	11597223	1.38	cps
Terbium	159-2	4663913	4557651	4613766	4611777	1.15	cps
Thallium	203-1	692	617	617	642	6.75	cps
Thallium	205-1	1675	1742	1750	1722	2.39	cps
Tin	118-1	1017	958	1083	1020	6.14	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02LDLX50	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	50
Date & Time Acquired ::	2021-07-07 13:02:29	DataFile Name :	026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	317	400	350	356	11.80	cps
Uranium	238-1	1934	1767	1967	1889	5.67	cps
Vanadium	51-2	7222	7108	7245	7192	1.02	cps
Ytterbium	172-1	842	983	900	908	7.84	cps
Ytterbium	172-2	372	394	400	389	3.78	cps
Ytterbium	176-1	2109	2300	2134	2181	4.78	cps
Ytterbium	176-2	1239	1239	1128	1202	5.34	cps
Yttrium	89-1	16313581	16647111	16290473	16417055	1.22	cps
Yttrium	89-2	1773575	1709108	1730800	1737828	1.89	cps
Zinc	66-2	5841	5875	6038	5918	1.78	cps
Zirconium	90-1	1192	1267	1275	1245	3.69	cps
Zirconium	91-1	258	267	217	247	10.83	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02MSDLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:05:31 DataFile Name : 027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	324387	325931	320357	323558	0.89	cps
Antimony	121-1	313944	314806	309489	312746	0.91	cps
Arsenic	75-2	9772	9824	9739	9779	0.44	cps
Barium	135-1	438874	437342	445687	440634	1.01	cps
Barium	137-1	764273	768512	750988	761258	1.20	cps
Beryllium	9-1	132554	132761	131896	132404	0.34	cps
Bismuth	209-1	6213642	6102531	6269872	6195348	1.37	cps
Bismuth	209-2	3213173	3117612	3143828	3158205	1.56	cps
Boron	10-1	63827	66111	70151	66696	4.80	cps
Boron	11-1	282066	300277	305946	296097	4.21	cps
Bromine	81-1	25931	25489	26713	26044	2.38	cps
Cadmium	111-1	88633	86639	86398	87223	1.41	cps
Cadmium	106-1	14984	15034	14191	14736	3.21	cps
Cadmium	108-1	6731	6785	6960	6825	1.76	cps
Calcium	43-1	967001	973460	972461	970974	0.36	cps
Calcium	44-1	15895988	15974022	15950729	15940247	0.25	cps
Carbon	12-1	5529178	5644091	5579383	5584218	1.03	cps
Carbon	12-2	60751	59345	60400	60165	1.22	cps
Chlorine	35-1	905061	904889	909016	906322	0.26	cps
Chlorine	35-2	6368	6110	6010	6163	3.00	cps
Chromium	52-2	99279	100064	99684	99676	0.39	cps
Cobalt	59-2	213463	214949	213041	213818	0.47	cps
Copper	63-2	1568845	1595732	1533472	1566016	1.99	cps
Dysprosium	156-1	9045	9929	9053	9342	5.44	cps
Dysprosium	156-2	3907	3617	3727	3751	3.90	cps
Erbium	164-1	12047	11555	11956	11853	2.21	cps
Erbium	164-2	5061	4664	4804	4843	4.16	cps
Gadolinium	160-1	9612	9587	9662	9620	0.40	cps
Gadolinium	160-2	4521	4484	4454	4486	0.74	cps
Holmium	165-1	10765504	10871281	10884359	10840381	0.60	cps
Holmium	165-2	4854209	4700526	4564150	4706295	3.08	cps
Indium	115-1	9886658	9834437	9739296	9820130	0.76	cps
Indium	115-2	1478953	1451516	1444663	1458377	1.24	cps
Iron	54-2	1560269	1555888	1553627	1556595	0.22	cps
Iron	56-2	28481312	27850123	27204224	27845220	2.29	cps
Iron	57-2	690842	684624	674595	683354	1.20	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02MSDLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:05:31 DataFile Name : 027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1043	963	1023	1010	4.12	cps
Lead	206-1	1144154	1136774	1157718	1146215	0.93	cps
Lead	207-1	1012569	1001435	1004491	1006165	0.57	cps
Lead	208-1	4757106	4679084	4741309	4725833	0.87	cps
Lithium	6-1	5681623	5675999	5743353	5700325	0.66	cps
Magnesium	24-2	1454523	1436731	1448009	1446421	0.62	cps
Manganese	55-2	1029722	1022184	1009912	1020606	0.98	cps
Molybdenum	94-1	1762037	1748501	1750408	1753649	0.42	cps
Molybdenum	95-1	2668448	2706710	2595370	2656843	2.13	cps
Molybdenum	96-1	2926089	2912497	2846189	2894925	1.48	cps
Molybdenum	97-1	1645647	1626793	1638433	1636958	0.58	cps
Molybdenum	98-1	4293559	4181897	4178811	4218089	1.55	cps
Neodymium	150-1	10137	10071	9484	9897	3.64	cps
Neodymium	150-2	3260	3150	2950	3120	5.04	cps
Nickel	60-2	52971	51857	51647	52158	1.36	cps
Phosphorus	31-2	508	408	392	436	14.47	cps
Potassium	39-2	346388	346756	346650	346598	0.05	cps
Rhodium	103-1	9207720	9130973	9101876	9146856	0.60	cps
Rhodium	103-2	4047244	3998183	3995523	4013650	0.73	cps
Scandium	45-1	7383521	7542113	7383142	7436259	1.23	cps
Scandium	45-2	220209	214694	211205	215370	2.11	cps
Selenium	82-1	7044	7022	6964	7010	0.59	cps
Selenium	77-2	223	247	190	220	12.95	cps
Selenium	78-2	761	763	745	756	1.30	cps
Silicon	28-1	30481548	30780578	30921560	30727895	0.73	cps
Silver	107-1	439686	442465	440719	440957	0.32	cps
Silver	109-1	420057	416300	422191	419516	0.71	cps
Sodium	23-2	4344116	4423440	4390370	4385975	0.91	cps
Strontium	86-1	1394782	1397798	1392549	1395043	0.19	cps
Strontium	88-1	11942426	11932072	11717220	11863906	1.07	cps
Sulfur	34-1	1932240	1961341	1954456	1949346	0.78	cps
Terbium	159-1	11473500	11507679	11592793	11524657	0.53	cps
Terbium	159-2	4706122	4728476	4610718	4681772	1.34	cps
Thallium	203-1	265901	269954	270762	268872	0.97	cps
Thallium	205-1	622826	641668	648610	637701	2.09	cps
Tin	118-1	293132	298553	296569	296085	0.93	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:05:31	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	580501	591400	593917	588606	1.21	cps
Uranium	238-1	800309	797196	790812	796106	0.61	cps
Vanadium	51-2	110072	110264	110690	110342	0.29	cps
Ytterbium	172-1	4184	3617	3884	3895	7.28	cps
Ytterbium	172-2	1828	1978	1772	1859	5.72	cps
Ytterbium	176-1	4051	3826	4159	4012	4.24	cps
Ytterbium	176-2	1906	2072	1878	1952	5.39	cps
Yttrium	89-1	16698704	16458003	16122730	16426479	1.76	cps
Yttrium	89-2	1800210	1780921	1755539	1778890	1.26	cps
Zinc	66-2	202729	205496	202326	203517	0.85	cps
Zirconium	90-1	624560	617364	609030	616985	1.26	cps
Zirconium	91-1	141733	138291	137205	139076	1.70	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02MSDDLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:08:26 DataFile Name : 028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	337651	335530	336825	336669	0.32	cps
Antimony	121-1	309678	312966	313945	312196	0.72	cps
Arsenic	75-2	9896	9720	9776	9798	0.92	cps
Barium	135-1	442068	446428	449103	445866	0.80	cps
Barium	137-1	777366	775312	758703	770460	1.33	cps
Beryllium	9-1	131462	131461	131585	131503	0.05	cps
Bismuth	209-1	6138688	6322779	6247063	6236177	1.48	cps
Bismuth	209-2	3175406	3125950	3191155	3164170	1.08	cps
Boron	10-1	68403	72578	75391	72124	4.88	cps
Boron	11-1	303838	321470	332393	319233	4.51	cps
Bromine	81-1	26582	25740	25750	26024	1.86	cps
Cadmium	111-1	86809	86747	87648	87068	0.58	cps
Cadmium	106-1	15042	15801	15067	15303	2.82	cps
Cadmium	108-1	7365	7227	7198	7263	1.23	cps
Calcium	43-1	1013132	1022155	1008449	1014579	0.69	cps
Calcium	44-1	16466033	16479078	16490074	16478395	0.07	cps
Carbon	12-1	5621795	5663280	5521581	5602219	1.30	cps
Carbon	12-2	60843	59672	60073	60196	0.99	cps
Chlorine	35-1	903782	911752	910361	908632	0.47	cps
Chlorine	35-2	6443	6435	5843	6240	5.52	cps
Chromium	52-2	101302	100507	99154	100321	1.08	cps
Cobalt	59-2	219125	215723	218045	217631	0.80	cps
Copper	63-2	1597717	1589597	1574255	1587189	0.75	cps
Dysprosium	156-1	9545	9462	10146	9718	3.84	cps
Dysprosium	156-2	3904	3771	4051	3908	3.58	cps
Erbium	164-1	11897	12414	12256	12189	2.17	cps
Erbium	164-2	5394	4954	4944	5098	5.04	cps
Gadolinium	160-1	9862	10021	10338	10073	2.40	cps
Gadolinium	160-2	4794	4864	4501	4720	4.09	cps
Holmium	165-1	10753530	11006868	11004589	10921662	1.33	cps
Holmium	165-2	4684289	4649082	4731909	4688427	0.89	cps
Indium	115-1	9811472	10030510	9753448	9865143	1.48	cps
Indium	115-2	1490339	1434332	1460745	1461805	1.92	cps
Iron	54-2	1657319	1646916	1642611	1648949	0.46	cps
Iron	56-2	29283058	28900314	28450333	28877902	1.44	cps
Iron	57-2	719293	715812	714432	716512	0.35	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:08:26	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1120	967	1027	1038	7.45	cps
Lead	206-1	1121483	1160673	1144358	1142171	1.72	cps
Lead	207-1	1002560	1016279	1010517	1009785	0.68	cps
Lead	208-1	4672431	4812326	4674457	4719738	1.70	cps
Lithium	6-1	5695968	6017920	5781328	5831739	2.86	cps
Magnesium	24-2	1501779	1476436	1510548	1496254	1.18	cps
Manganese	55-2	1050691	1036864	1044616	1044057	0.66	cps
Molybdenum	94-1	1815962	1760356	1783668	1786662	1.56	cps
Molybdenum	95-1	2653787	2689859	2712140	2685262	1.10	cps
Molybdenum	96-1	2913258	2923983	2924955	2920732	0.22	cps
Molybdenum	97-1	1658966	1667188	1642298	1656151	0.77	cps
Molybdenum	98-1	4222150	4313166	4239060	4258125	1.14	cps
Neodymium	150-1	10011	10304	10291	10202	1.63	cps
Neodymium	150-2	3144	3237	3184	3188	1.47	cps
Nickel	60-2	52865	52858	53490	53071	0.68	cps
Phosphorus	31-2	392	483	475	450	11.26	cps
Potassium	39-2	350408	351217	347463	349696	0.57	cps
Rhodium	103-1	9147318	9564412	9126078	9279269	2.66	cps
Rhodium	103-2	4113929	4015861	4109501	4079764	1.36	cps
Scandium	45-1	7508065	7542534	7564555	7538385	0.38	cps
Scandium	45-2	218095	212214	217920	216076	1.55	cps
Selenium	82-1	6898	7189	6965	7017	2.17	cps
Selenium	77-2	210	203	213	209	2.44	cps
Selenium	78-2	687	774	712	724	6.18	cps
Silicon	28-1	31621899	31999719	31597333	31739650	0.71	cps
Silver	107-1	440752	445941	446127	444273	0.69	cps
Silver	109-1	418803	426742	420679	422075	0.98	cps
Sodium	23-2	4599849	4481760	4565947	4549185	1.34	cps
Strontium	86-1	1434539	1434846	1430598	1433327	0.17	cps
Strontium	88-1	12107628	12109354	12138131	12118371	0.14	cps
Sulfur	34-1	1979676	2024911	2030921	2011836	1.39	cps
Terbium	159-1	11629729	11823348	11771543	11741540	0.85	cps
Terbium	159-2	4760959	4702180	4727564	4730234	0.62	cps
Thallium	203-1	273389	269474	266764	269876	1.23	cps
Thallium	205-1	634448	639509	630153	634703	0.74	cps
Tin	118-1	293560	302806	302187	299518	1.73	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02MSDDLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:08:26	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	594431	589985	588686	591034	0.51	cps
Uranium	238-1	789541	791360	800254	793718	0.72	cps
Vanadium	51-2	112350	111772	113949	112690	1.00	cps
Ytterbium	172-1	3926	3976	3709	3870	3.66	cps
Ytterbium	172-2	1828	2022	1878	1909	5.29	cps
Ytterbium	176-1	4159	4059	4009	4076	1.87	cps
Ytterbium	176-2	1884	2150	2089	2041	6.85	cps
Yttrium	89-1	16466029	17167280	16723359	16785556	2.11	cps
Yttrium	89-2	1777116	1755169	1779325	1770537	0.75	cps
Zinc	66-2	210544	206485	206100	207710	1.19	cps
Zirconium	90-1	622891	638209	630927	630676	1.21	cps
Zirconium	91-1	138854	144469	140949	141424	2.01	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02ADLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:11:22 DataFile Name : 029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	336219	336790	336123	336377	0.11	cps
Antimony	121-1	321559	322301	317467	320442	0.81	cps
Arsenic	75-2	10107	10163	9930	10067	1.20	cps
Barium	135-1	453823	462249	445915	453996	1.80	cps
Barium	137-1	780955	793357	785978	786763	0.79	cps
Beryllium	9-1	135644	135340	132626	134537	1.24	cps
Bismuth	209-1	6184794	6219036	6247337	6217056	0.50	cps
Bismuth	209-2	3237871	3177338	3163027	3192745	1.24	cps
Boron	10-1	68794	74473	76346	73204	5.37	cps
Boron	11-1	305834	329623	335024	323494	4.80	cps
Bromine	81-1	26021	26522	26352	26298	0.97	cps
Cadmium	111-1	88425	89559	88659	88881	0.67	cps
Cadmium	106-1	14750	15117	15459	15109	2.35	cps
Cadmium	108-1	7094	7352	7135	7194	1.93	cps
Calcium	43-1	1011274	1018200	1021758	1017077	0.52	cps
Calcium	44-1	16593811	16684159	16407619	16561863	0.85	cps
Carbon	12-1	5619883	5558608	5750008	5642833	1.73	cps
Carbon	12-2	60835	61312	60784	60977	0.48	cps
Chlorine	35-1	900969	885794	888157	891640	0.92	cps
Chlorine	35-2	6193	6427	6477	6365	2.38	cps
Chromium	52-2	103471	103393	101869	102911	0.88	cps
Cobalt	59-2	223631	218431	218725	220262	1.33	cps
Copper	63-2	1603705	1639003	1594364	1612357	1.46	cps
Dysprosium	156-1	9729	9737	9595	9687	0.82	cps
Dysprosium	156-2	3801	3857	3867	3842	0.94	cps
Erbium	164-1	12506	12423	11697	12209	3.64	cps
Erbium	164-2	4771	4894	4971	4879	2.07	cps
Gadolinium	160-1	10046	10004	10271	10107	1.42	cps
Gadolinium	160-2	4638	4754	4397	4596	3.96	cps
Holmium	165-1	11065237	10983155	10685429	10911274	1.83	cps
Holmium	165-2	4756550	4692324	4690089	4712988	0.80	cps
Indium	115-1	9998430	9794655	9721182	9838089	1.46	cps
Indium	115-2	1475009	1458402	1443931	1459114	1.07	cps
Iron	54-2	1648597	1612426	1627952	1629658	1.11	cps
Iron	56-2	29024537	28958266	28899606	28960803	0.22	cps
Iron	57-2	726250	712023	715105	717793	1.04	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-02ADLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:11:22 DataFile Name : 029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	960	1097	1083	1047	7.20	cps
Lead	206-1	1163087	1194891	1167766	1175248	1.46	cps
Lead	207-1	1034807	1029367	1037174	1033783	0.39	cps
Lead	208-1	4853198	4899395	4840196	4864263	0.64	cps
Lithium	6-1	5958798	5663230	5530756	5717595	3.83	cps
Magnesium	24-2	1499507	1534823	1509939	1514756	1.20	cps
Manganese	55-2	1047654	1056137	1049628	1051140	0.42	cps
Molybdenum	94-1	1774311	1817754	1792781	1794949	1.21	cps
Molybdenum	95-1	2721838	2751466	2732117	2735140	0.55	cps
Molybdenum	96-1	2922249	2972357	2940621	2945076	0.86	cps
Molybdenum	97-1	1652757	1715295	1644259	1670770	2.32	cps
Molybdenum	98-1	4330726	4407235	4355206	4364389	0.90	cps
Neodymium	150-1	10144	9957	10638	10246	3.43	cps
Neodymium	150-2	3044	3080	2984	3036	1.61	cps
Nickel	60-2	53504	53838	52677	53340	1.12	cps
Phosphorus	31-2	425	567	450	481	15.73	cps
Potassium	39-2	353728	358877	355557	356054	0.73	cps
Rhodium	103-1	9359930	9209962	9125513	9231802	1.29	cps
Rhodium	103-2	4147272	4004432	3975325	4042343	2.28	cps
Scandium	45-1	7491771	7474298	7341024	7435697	1.11	cps
Scandium	45-2	220937	218795	215059	218264	1.36	cps
Selenium	82-1	7256	7040	7256	7184	1.73	cps
Selenium	77-2	173	213	203	197	10.58	cps
Selenium	78-2	752	739	774	755	2.34	cps
Silicon	28-1	31485829	31572187	31725923	31594646	0.38	cps
Silver	107-1	447941	458208	460420	455523	1.46	cps
Silver	109-1	429169	435124	430298	431530	0.73	cps
Sodium	23-2	4509458	4554749	4551693	4538633	0.56	cps
Strontium	86-1	1448465	1418670	1443639	1436925	1.11	cps
Strontium	88-1	12384489	12298486	12275296	12319424	0.47	cps
Sulfur	34-1	2017252	2035474	2019126	2023951	0.50	cps
Terbium	159-1	11527752	11547299	11433535	11502862	0.53	cps
Terbium	159-2	4736925	4646759	4669278	4684321	1.00	cps
Thallium	203-1	275820	273183	273206	274070	0.55	cps
Thallium	205-1	649934	662525	652317	654925	1.02	cps
Tin	118-1	305153	307509	307874	306845	0.48	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-02ADLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:11:22	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	600426	609226	598939	602864	0.92	cps
Uranium	238-1	802517	834608	808448	815191	2.09	cps
Vanadium	51-2	113073	114584	113048	113568	0.77	cps
Ytterbium	172-1	3851	3734	3817	3801	1.58	cps
Ytterbium	172-2	1856	1956	1922	1911	2.66	cps
Ytterbium	176-1	4076	4067	4151	4098	1.12	cps
Ytterbium	176-2	2211	2006	1906	2041	7.63	cps
Yttrium	89-1	16841202	16762223	16387971	16663799	1.45	cps
Yttrium	89-2	1786901	1769285	1769980	1775389	0.56	cps
Zinc	66-2	210230	207681	208850	208920	0.61	cps
Zirconium	90-1	637073	647964	636376	640471	1.01	cps
Zirconium	91-1	141539	144391	142852	142928	1.00	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CCV61 Instrumnet Name : P8
 Client Sample ID : CCV61 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 13:14:15 DataFile Name : 030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2918451	3028813	2944798	2964021	1.94	cps
Antimony	121-1	3177663	3155577	3198857	3177366	0.68	cps
Arsenic	75-2	94647	95685	95114	95149	0.55	cps
Barium	135-1	4280202	4235181	4305307	4273563	0.83	cps
Barium	137-1	7062751	7167870	7200722	7143781	1.01	cps
Beryllium	9-1	1368495	1409366	1413754	1397205	1.79	cps
Bismuth	209-1	5615382	6073859	5808326	5832522	3.95	cps
Bismuth	209-2	2981702	2990927	2984462	2985697	0.16	cps
Boron	10-1	144093	154348	158893	152445	4.97	cps
Boron	11-1	634172	666605	700665	667147	4.98	cps
Bromine	81-1	24387	25078	25108	24858	1.64	cps
Cadmium	111-1	858272	857936	868738	861649	0.71	cps
Cadmium	106-1	101003	102966	104125	102698	1.54	cps
Cadmium	108-1	67829	69570	68904	68768	1.28	cps
Calcium	43-1	6657402	6530891	6765153	6651149	1.76	cps
Calcium	44-1	109511086	107587126	112479339	109859184	2.24	cps
Carbon	12-1	6019846	6421200	6574807	6338618	4.52	cps
Carbon	12-2	75887	77094	78024	77002	1.39	cps
Chlorine	35-1	962994	958592	962188	961258	0.24	cps
Chlorine	35-2	6735	6393	6643	6591	2.68	cps
Chromium	52-2	980752	995592	987724	988023	0.75	cps
Cobalt	59-2	1792294	1738402	1737612	1756103	1.78	cps
Copper	63-2	13478144	13517534	13475207	13490295	0.18	cps
Dysprosium	156-1	1008	1100	750	953	19.05	cps
Dysprosium	156-2	450	457	423	443	3.98	cps
Erbium	164-1	275	267	242	261	6.64	cps
Erbium	164-2	87	97	73	86	13.69	cps
Gadolinium	160-1	1133	1150	1083	1122	3.09	cps
Gadolinium	160-2	510	550	463	508	8.54	cps
Holmium	165-1	10728948	11048415	10987260	10921541	1.55	cps
Holmium	165-2	4730154	4803468	4750491	4761371	0.79	cps
Indium	115-1	9458995	9661563	9613224	9577927	1.10	cps
Indium	115-2	1402231	1407726	1411073	1407010	0.32	cps
Iron	54-2	10932914	11192078	11024783	11049925	1.19	cps
Iron	56-2	201707749	201018860	203106305	201944305	0.53	cps
Iron	57-2	5022548	5108261	4988510	5039773	1.22	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV61	Instrumnet Name :	P8
Client Sample ID :	CCV61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:14:15	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1030	1023	937	997	5.22	cps
Lead	206-1	11143619	11173923	11178832	11165458	0.17	cps
Lead	207-1	9691304	9864699	9783474	9779826	0.89	cps
Lead	208-1	44087310	44932160	44627731	44549067	0.96	cps
Lithium	6-1	5523787	5741694	5581073	5615518	2.01	cps
Magnesium	24-2	40843037	41175924	41036730	41018564	0.41	cps
Manganese	55-2	5475328	5512930	5496025	5494761	0.34	cps
Molybdenum	94-1	7836869	7701780	7778675	7772441	0.87	cps
Molybdenum	95-1	9616967	9614599	9644372	9625313	0.17	cps
Molybdenum	96-1	10600293	10648877	10699082	10649417	0.46	cps
Molybdenum	97-1	5933314	5941957	5953657	5942976	0.17	cps
Molybdenum	98-1	15544726	15409738	15618865	15524443	0.68	cps
Neodymium	150-1	367	300	393	353	13.61	cps
Neodymium	150-2	27	47	47	40	28.87	cps
Nickel	60-2	516201	518757	521935	518964	0.55	cps
Phosphorus	31-2	30708	30775	30900	30794	0.32	cps
Potassium	39-2	14337646	14648745	14548091	14511494	1.09	cps
Rhodium	103-1	8519085	8697055	8874648	8696929	2.04	cps
Rhodium	103-2	3795553	3799281	3806703	3800512	0.15	cps
Scandium	45-1	7331705	7599403	7651893	7527667	2.28	cps
Scandium	45-2	216508	217286	220801	218198	1.05	cps
Selenium	82-1	67473	67427	68389	67763	0.80	cps
Selenium	77-2	2010	1997	2210	2072	5.77	cps
Selenium	78-2	6846	6801	6708	6785	1.04	cps
Silicon	28-1	11067322	11205787	11124102	11132404	0.63	cps
Silver	107-1	4890482	5005976	4952477	4949645	1.17	cps
Silver	109-1	4810917	4766658	4721736	4766437	0.94	cps
Sodium	23-2	78731760	79581027	78759162	79023983	0.61	cps
Strontium	86-1	12635298	12416192	12218611	12423367	1.68	cps
Strontium	88-1	107382940	106666482	106566848	106872090	0.42	cps
Sulfur	34-1	866530	861625	860434	862863	0.37	cps
Terbium	159-1	11602204	11716329	11801244	11706592	0.85	cps
Terbium	159-2	4727600	4795905	4785193	4769566	0.77	cps
Thallium	203-1	2819304	2781747	2804096	2801716	0.67	cps
Thallium	205-1	6415683	6352668	6350503	6372951	0.58	cps
Tin	118-1	2978954	2960182	2946287	2961808	0.55	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV61	Instrumnet Name :	P8
Client Sample ID :	CCV61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:14:15	DataFile Name :	030CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3043758	3074554	3084000	3067437	0.69	cps
Uranium	238-1	8324315	8632608	8550166	8502363	1.88	cps
Vanadium	51-2	808520	805647	811895	808688	0.39	cps
Ytterbium	172-1	50	58	67	58	14.29	cps
Ytterbium	172-2	6	11	17	11	49.99	cps
Ytterbium	176-1	1725	1734	1667	1709	2.13	cps
Ytterbium	176-2	706	906	817	809	12.38	cps
Yttrium	89-1	16226725	16161052	16265424	16217734	0.33	cps
Yttrium	89-2	1749258	1758176	1762004	1756479	0.37	cps
Zinc	66-2	1655275	1668571	1644147	1655998	0.74	cps
Zirconium	90-1	6625377	6496459	6457373	6526403	1.35	cps
Zirconium	91-1	1504747	1480141	1484158	1489682	0.89	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CCB61 Instrumnet Name : P8
 Client Sample ID : CCB61 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 13:23:28 DataFile Name : 031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	101	116	100	106	8.55	cps
Antimony	121-1	317	267	408	331	21.73	cps
Arsenic	75-2	3	9	5	6	53.91	cps
Barium	135-1	50	33	8	31	68.64	cps
Barium	137-1	50	33	42	42	20.00	cps
Beryllium	9-1	80	84	92	85	7.16	cps
Bismuth	209-1	6168924	5121176	5956337	5748813	9.63	cps
Bismuth	209-2	3189440	3252576	3123190	3188402	2.03	cps
Boron	10-1	5456	5254	5224	5311	2.38	cps
Boron	11-1	24846	24435	23676	24319	2.44	cps
Bromine	81-1	24948	25479	25760	25396	1.63	cps
Cadmium	111-1	993	784	940	906	12.01	cps
Cadmium	106-1	5076	4001	4826	4634	12.14	cps
Cadmium	108-1	38	29	42	36	17.62	cps
Calcium	43-1	243	225	250	239	5.44	cps
Calcium	44-1	26676	25973	26816	26488	1.70	cps
Carbon	12-1	5346808	5367908	5260292	5325002	1.07	cps
Carbon	12-2	56183	56886	56786	56618	0.67	cps
Chlorine	35-1	860541	858412	862316	860423	0.23	cps
Chlorine	35-2	6026	5851	5618	5832	3.51	cps
Chromium	52-2	853	783	807	814	4.38	cps
Cobalt	59-2	47	63	63	58	16.65	cps
Copper	63-2	987	1040	1077	1034	4.38	cps
Dysprosium	156-1	8	0	25	11	114.58	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	75	33	58	56	37.75	cps
Erbium	164-2	13	47	23	28	61.59	cps
Gadolinium	160-1	33	75	100	69	48.50	cps
Gadolinium	160-2	27	37	30	31	16.37	cps
Holmium	165-1	10683783	8959165	10707894	10116947	9.91	cps
Holmium	165-2	4552143	4625974	4655085	4611068	1.15	cps
Indium	115-1	9884665	8135912	9616953	9212510	10.22	cps
Indium	115-2	1436470	1451081	1457242	1448264	0.74	cps
Iron	54-2	439	400	450	430	6.11	cps
Iron	56-2	2756	2728	2517	2667	4.90	cps
Iron	57-2	61	67	39	56	26.46	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB61	Instrumnet Name :	P8
Client Sample ID :	CCB61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:23:28	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1037	1160	1010	1069	7.49	cps
Lead	206-1	900	833	917	883	4.99	cps
Lead	207-1	672	761	694	709	6.52	cps
Lead	208-1	3428	3539	3345	3437	2.84	cps
Lithium	6-1	5610639	4503482	5525706	5213276	11.82	cps
Magnesium	24-2	225	192	175	197	12.91	cps
Manganese	55-2	27	57	60	48	38.42	cps
Molybdenum	94-1	358	300	308	322	9.79	cps
Molybdenum	95-1	100	192	75	122	50.26	cps
Molybdenum	96-1	258	175	183	206	22.33	cps
Molybdenum	97-1	42	33	67	47	36.74	cps
Molybdenum	98-1	167	217	167	183	15.75	cps
Neodymium	150-1	13	0	7	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	27	53	50	43	33.52	cps
Phosphorus	31-2	58	58	150	89	59.54	cps
Potassium	39-2	22343	21567	21867	21926	1.78	cps
Rhodium	103-1	9486313	7644266	9027508	8719362	11.00	cps
Rhodium	103-2	4043533	4120948	4066759	4077080	0.97	cps
Scandium	45-1	7497623	6026729	7139598	6887984	11.14	cps
Scandium	45-2	212813	213665	217147	214542	1.07	cps
Selenium	82-1	-37	-117	-23	-59	-85.70	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	49	33	42	41	19.42	cps
Silicon	28-1	8234242	8257769	8392350	8294787	1.03	cps
Silver	107-1	208	267	300	258	17.96	cps
Silver	109-1	150	192	167	169	12.37	cps
Sodium	23-2	65263	62986	63196	63815	1.97	cps
Strontium	86-1	1608	1750	1633	1664	4.54	cps
Strontium	88-1	467	608	675	583	18.24	cps
Sulfur	34-1	402202	403971	410068	405414	1.02	cps
Terbium	159-1	11645976	9496245	10964793	10702338	10.27	cps
Terbium	159-2	4596612	4669935	4581430	4615992	1.03	cps
Thallium	203-1	750	858	833	814	6.97	cps
Thallium	205-1	1917	1934	1892	1914	1.10	cps
Tin	118-1	933	983	858	925	6.80	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB61	Instrumnet Name :	P8
Client Sample ID :	CCB61	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:23:28	DataFile Name :	031CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	175	208	217	200	11.02	cps
Uranium	238-1	17	33	25	25	33.32	cps
Vanadium	51-2	3	3	7	4	43.40	cps
Ytterbium	172-1	25	33	42	33	25.01	cps
Ytterbium	172-2	11	6	22	13	65.44	cps
Ytterbium	176-1	1600	1483	1658	1581	5.64	cps
Ytterbium	176-2	1050	1133	895	1026	11.82	cps
Yttrium	89-1	16682751	13159899	15727294	15189981	11.99	cps
Yttrium	89-2	1731951	1737371	1726034	1731785	0.33	cps
Zinc	66-2	280	310	270	287	7.26	cps
Zirconium	90-1	825	692	908	808	13.52	cps
Zirconium	91-1	183	217	208	203	8.55	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : M2851-04DLX10 Instrumnet Name : P8
 Client Sample ID : BACKFILL-ASHCROFT-F Dilution Factor : 10
 Date & Time Acquired :: 2021-07-07 13:26:30 DataFile Name : 032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	160975	163226	161986	162062	0.70	cps
Antimony	121-1	208	183	375	256	40.77	cps
Arsenic	75-2	47	69	44	53	25.60	cps
Barium	135-1	19389	19272	18713	19125	1.89	cps
Barium	137-1	32907	33826	32774	33169	1.73	cps
Beryllium	9-1	240	208	230	226	7.24	cps
Bismuth	209-1	6236275	6381745	6077143	6231721	2.44	cps
Bismuth	209-2	3213331	3185222	3183665	3194073	0.52	cps
Boron	10-1	42204	46215	47405	45275	6.02	cps
Boron	11-1	188173	203333	212133	201213	6.02	cps
Bromine	81-1	25870	25179	26432	25827	2.43	cps
Cadmium	111-1	1131	1234	1207	1191	4.49	cps
Cadmium	106-1	5009	5585	5543	5379	5.96	cps
Cadmium	108-1	42	29	38	36	17.62	cps
Calcium	43-1	900050	905010	889904	898321	0.86	cps
Calcium	44-1	14622200	14827156	14623140	14690832	0.80	cps
Carbon	12-1	5556998	5518913	5578643	5551518	0.54	cps
Carbon	12-2	61069	60433	60040	60514	0.86	cps
Chlorine	35-1	881455	875000	855464	870640	1.55	cps
Chlorine	35-2	5776	5801	5518	5698	2.75	cps
Chromium	52-2	2470	2467	2620	2519	3.48	cps
Cobalt	59-2	43339	43476	43383	43399	0.16	cps
Copper	63-2	94149	93321	92898	93456	0.68	cps
Dysprosium	156-1	6027	6160	6268	6152	1.97	cps
Dysprosium	156-2	2504	2697	2637	2613	3.79	cps
Erbium	164-1	7627	8828	8470	8308	7.42	cps
Erbium	164-2	3337	3214	3490	3347	4.14	cps
Gadolinium	160-1	6343	6335	6252	6310	0.80	cps
Gadolinium	160-2	2894	3067	2854	2938	3.86	cps
Holmium	165-1	11101883	11019185	11012836	11044635	0.45	cps
Holmium	165-2	4655196	4687854	4651557	4664869	0.43	cps
Indium	115-1	10009018	10001036	9879230	9963095	0.73	cps
Indium	115-2	1471932	1460634	1452323	1461630	0.67	cps
Iron	54-2	946883	968337	963678	959633	1.18	cps
Iron	56-2	17756329	17654250	17672532	17694370	0.31	cps
Iron	57-2	433968	436152	432211	434110	0.45	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-04DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:26:30	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	990	990	1070	1017	4.54	cps
Lead	206-1	1628	1628	1533	1596	3.42	cps
Lead	207-1	1533	1495	1256	1428	10.54	cps
Lead	208-1	6562	6590	6101	6417	4.28	cps
Lithium	6-1	5640810	5641186	5500199	5594065	1.45	cps
Magnesium	24-2	482099	485109	489709	485639	0.79	cps
Manganese	55-2	470060	469250	470459	469923	0.13	cps
Molybdenum	94-1	917	958	858	911	5.51	cps
Molybdenum	95-1	200	208	233	214	8.11	cps
Molybdenum	96-1	758	842	850	817	6.21	cps
Molybdenum	97-1	108	133	75	106	27.73	cps
Molybdenum	98-1	292	333	158	261	35.01	cps
Neodymium	150-1	5901	6248	5848	5999	3.62	cps
Neodymium	150-2	1960	1954	1800	1905	4.75	cps
Nickel	60-2	5511	5484	5534	5510	0.45	cps
Phosphorus	31-2	167	258	175	200	25.34	cps
Potassium	39-2	53993	56578	55825	55466	2.40	cps
Rhodium	103-1	9521982	9348839	9395668	9422163	0.95	cps
Rhodium	103-2	4086817	4100225	3985564	4057535	1.54	cps
Scandium	45-1	7619978	7502493	7471856	7531442	1.04	cps
Scandium	45-2	219463	218442	216008	217971	0.81	cps
Selenium	82-1	40	79	9	43	81.82	cps
Selenium	77-2	33	13	0	16	107.86	cps
Selenium	78-2	45	71	67	61	22.96	cps
Silicon	28-1	29679951	29699892	29128862	29502902	1.10	cps
Silver	107-1	200	200	183	194	4.95	cps
Silver	109-1	183	92	125	133	34.80	cps
Sodium	23-2	2334208	2336264	2370690	2347054	0.87	cps
Strontium	86-1	194973	196456	192694	194707	0.97	cps
Strontium	88-1	1677596	1678473	1644397	1666822	1.17	cps
Sulfur	34-1	1825655	1788416	1774695	1796255	1.47	cps
Terbium	159-1	11711851	11782840	11672014	11722235	0.48	cps
Terbium	159-2	4674205	4733130	4686760	4698032	0.66	cps
Thallium	203-1	775	975	783	844	13.40	cps
Thallium	205-1	1800	1967	1984	1917	5.29	cps
Tin	118-1	1167	1167	1242	1192	3.63	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	M2851-04DLX10	Instrumnet Name :	P8
Client Sample ID :	BACKFILL-ASHCROFT-F	Dilution Factor :	10
Date & Time Acquired ::	2021-07-07 13:26:30	DataFile Name :	032AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1467	1275	1242	1328	9.15	cps
Uranium	238-1	6235	6869	6302	6469	5.38	cps
Vanadium	51-2	10727	11044	10631	10801	2.00	cps
Ytterbium	172-1	2950	2925	3059	2978	2.38	cps
Ytterbium	172-2	1417	1267	1350	1345	5.59	cps
Ytterbium	176-1	3642	3651	3217	3503	7.08	cps
Ytterbium	176-2	1800	1833	1800	1811	1.06	cps
Yttrium	89-1	16631946	16651354	16337019	16540106	1.06	cps
Yttrium	89-2	1798708	1794279	1764494	1785827	1.04	cps
Zinc	66-2	27243	26922	26795	26987	0.85	cps
Zirconium	90-1	2350	2500	2517	2456	3.74	cps
Zirconium	91-1	500	592	475	522	11.76	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CCV62 Instrumnet Name : P8
 Client Sample ID : CCV62 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 13:44:55 DataFile Name : 036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2984848	2980235	2950782	2971955	0.62	cps
Antimony	121-1	3153372	3198104	3201062	3184179	0.84	cps
Arsenic	75-2	93122	92608	92699	92810	0.30	cps
Barium	135-1	4246356	4299040	4235410	4260269	0.80	cps
Barium	137-1	7306996	7369763	7193533	7290097	1.23	cps
Beryllium	9-1	1362406	1387445	1354772	1368207	1.25	cps
Bismuth	209-1	5873370	5873585	5723229	5823395	1.49	cps
Bismuth	209-2	2889532	2949086	2904414	2914344	1.06	cps
Boron	10-1	145197	155946	156500	152548	4.18	cps
Boron	11-1	628233	657618	701935	662595	5.60	cps
Bromine	81-1	25339	25218	25880	25479	1.38	cps
Cadmium	111-1	813327	821716	819101	818048	0.52	cps
Cadmium	106-1	98904	98626	100481	99337	1.01	cps
Cadmium	108-1	65647	65249	64270	65055	1.09	cps
Calcium	43-1	6624085	6702573	6617652	6648103	0.71	cps
Calcium	44-1	108413590	110807735	110068689	109763338	1.12	cps
Carbon	12-1	6304245	6526229	6630421	6486965	2.57	cps
Carbon	12-2	76449	77421	79146	77672	1.76	cps
Chlorine	35-1	962883	955741	963490	960705	0.45	cps
Chlorine	35-2	6835	6510	6543	6629	2.70	cps
Chromium	52-2	1001126	997569	998691	999129	0.18	cps
Cobalt	59-2	1799554	1773203	1799382	1790713	0.85	cps
Copper	63-2	13655253	13847027	13687259	13729846	0.75	cps
Dysprosium	156-1	900	1008	1025	978	6.94	cps
Dysprosium	156-2	507	423	383	438	14.37	cps
Erbium	164-1	283	217	233	244	14.19	cps
Erbium	164-2	93	113	87	98	14.20	cps
Gadolinium	160-1	1092	1033	1108	1078	3.65	cps
Gadolinium	160-2	590	600	507	566	9.06	cps
Holmium	165-1	10936976	10946961	11175500	11019812	1.22	cps
Holmium	165-2	4623573	4596641	4731964	4650726	1.54	cps
Indium	115-1	9723693	9351102	9659777	9578191	2.08	cps
Indium	115-2	1386767	1381825	1390121	1386238	0.30	cps
Iron	54-2	11345607	11113849	10984892	11148116	1.64	cps
Iron	56-2	203543560	203917455	202719293	203393436	0.30	cps
Iron	57-2	5151792	5055010	5163122	5123308	1.16	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV62	Instrumnet Name :	P8
Client Sample ID :	CCV62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:44:55	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	963	997	980	980	1.70	cps
Lead	206-1	11348136	11226384	11439127	11337882	0.94	cps
Lead	207-1	9553590	9618547	9743392	9638510	1.00	cps
Lead	208-1	44087600	44367469	44719749	44391606	0.71	cps
Lithium	6-1	5692264	5646006	5766211	5701494	1.06	cps
Magnesium	24-2	41302643	41198241	41509927	41336937	0.38	cps
Manganese	55-2	5374580	5304702	5316978	5332086	0.70	cps
Molybdenum	94-1	7844451	7965108	7884771	7898110	0.78	cps
Molybdenum	95-1	9666121	9690190	9601243	9652518	0.48	cps
Molybdenum	96-1	10754908	10875276	10891298	10840494	0.69	cps
Molybdenum	97-1	5931089	5973056	6004107	5969418	0.61	cps
Molybdenum	98-1	15313898	15427022	15430498	15390473	0.43	cps
Neodymium	150-1	407	373	300	360	15.16	cps
Neodymium	150-2	60	53	80	64	21.54	cps
Nickel	60-2	471087	464221	464250	466519	0.85	cps
Phosphorus	31-2	31184	31835	30825	31282	1.64	cps
Potassium	39-2	14499403	14578857	14665788	14581349	0.57	cps
Rhodium	103-1	9004813	8722078	8738184	8821692	1.80	cps
Rhodium	103-2	3771032	3769702	3808278	3783004	0.58	cps
Scandium	45-1	7658938	7492108	7680832	7610626	1.36	cps
Scandium	45-2	220035	218099	219607	219247	0.46	cps
Selenium	82-1	66179	66216	66547	66314	0.31	cps
Selenium	77-2	2067	1987	1883	1979	4.65	cps
Selenium	78-2	6614	6617	6544	6592	0.63	cps
Silicon	28-1	11473402	11533548	11786164	11597705	1.43	cps
Silver	107-1	4498168	4465532	4410503	4458067	0.99	cps
Silver	109-1	4132368	4292313	4243409	4222697	1.94	cps
Sodium	23-2	79339889	78312285	79605416	79085864	0.86	cps
Strontium	86-1	12527136	12501473	12507656	12512088	0.11	cps
Strontium	88-1	108370861	108576032	106147707	107698200	1.25	cps
Sulfur	34-1	884428	895446	884410	888095	0.72	cps
Terbium	159-1	11868352	11529112	11702404	11699956	1.45	cps
Terbium	159-2	4566046	4648566	4725666	4646759	1.72	cps
Thallium	203-1	2764049	2809602	2774529	2782726	0.86	cps
Thallium	205-1	6330348	6478314	6513739	6440800	1.51	cps
Tin	118-1	2913970	2951426	2973466	2946287	1.02	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCV62	Instrumnet Name :	P8
Client Sample ID :	CCV62	Dilution Factor :	1
Date & Time Acquired ::	2021-07-07 13:44:55	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3050206	3097349	3120887	3089481	1.16	cps
Uranium	238-1	8218209	8440542	8306787	8321846	1.35	cps
Vanadium	51-2	814365	812092	813902	813453	0.15	cps
Ytterbium	172-1	50	100	58	69	38.58	cps
Ytterbium	172-2	39	33	39	37	8.67	cps
Ytterbium	176-1	1734	1717	1667	1706	2.03	cps
Ytterbium	176-2	1045	1111	1100	1085	3.29	cps
Yttrium	89-1	16679840	16124934	16609726	16471500	1.83	cps
Yttrium	89-2	1724696	1729065	1756895	1736885	1.01	cps
Zinc	66-2	1679221	1687559	1711302	1692694	0.98	cps
Zirconium	90-1	6553459	6518854	6554440	6542251	0.31	cps
Zirconium	91-1	1476322	1508006	1507129	1497152	1.21	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CCB62 Instrumnet Name : P8
 Client Sample ID : CCB62 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 13:54:24 DataFile Name : 037CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	105	107	125	112	9.69	cps
Antimony	121-1	308	467	558	444	28.46	cps
Arsenic	75-2	6	4	8	6	33.33	cps
Barium	135-1	8	17	75	33	108.97	cps
Barium	137-1	50	33	108	64	61.65	cps
Beryllium	9-1	148	104	90	114	26.55	cps
Bismuth	209-1	6338552	5922760	5506909	5922740	7.02	cps
Bismuth	209-2	3141522	3249363	3104307	3165064	2.38	cps
Boron	10-1	6162	6286	6042	6163	1.98	cps
Boron	11-1	27218	26310	26290	26606	1.99	cps
Bromine	81-1	25179	25620	25058	25286	1.17	cps
Cadmium	111-1	988	1016	925	976	4.75	cps
Cadmium	106-1	5084	5126	4609	4940	5.81	cps
Cadmium	108-1	42	38	25	35	24.98	cps
Calcium	43-1	216	229	283	243	14.58	cps
Calcium	44-1	27711	27951	28098	27920	0.70	cps
Carbon	12-1	5658538	5609252	5661555	5643115	0.52	cps
Carbon	12-2	60124	61370	61345	60946	1.17	cps
Chlorine	35-1	811697	802936	792389	802341	1.20	cps
Chlorine	35-2	5526	5326	5243	5365	2.72	cps
Chromium	52-2	800	757	737	764	4.24	cps
Cobalt	59-2	80	53	60	64	21.54	cps
Copper	63-2	997	1047	1087	1043	4.32	cps
Dysprosium	156-1	8	0	0	3	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	58	83	100	81	26.04	cps
Erbium	164-2	37	23	20	27	33.08	cps
Gadolinium	160-1	75	100	108	94	18.37	cps
Gadolinium	160-2	23	30	47	33	36.07	cps
Holmium	165-1	11162730	10486481	9721765	10456992	6.89	cps
Holmium	165-2	4495325	4725296	4566422	4595681	2.56	cps
Indium	115-1	10171366	9491917	8934219	9532501	6.50	cps
Indium	115-2	1434900	1476321	1434085	1448435	1.67	cps
Iron	54-2	400	467	372	413	11.75	cps
Iron	56-2	3195	2861	2873	2976	6.36	cps
Iron	57-2	44	56	56	52	12.37	cps

LB Number : LB115244 Operator : Jaswal
 Lab Sample ID : CCB62 Instrumnet Name : P8
 Client Sample ID : CCB62 Dilution Factor : 1
 Date & Time Acquired :: 2021-07-07 13:54:24 DataFile Name : 037CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	867	1060	1067	998	11.39	cps
Lead	206-1	1067	1189	1028	1095	7.68	cps
Lead	207-1	1061	995	1056	1037	3.57	cps
Lead	208-1	4645	4745	4684	4691	1.07	cps
Lithium	6-1	5703500	5493292	5127950	5441581	5.35	cps
Magnesium	24-2	358	208	217	261	32.29	cps
Manganese	55-2	43	57	40	47	18.90	cps
Molybdenum	94-1	333	283	442	353	22.94	cps
Molybdenum	95-1	75	50	150	92	56.78	cps
Molybdenum	96-1	275	175	292	247	25.52	cps
Molybdenum	97-1	58	67	67	64	7.54	cps
Molybdenum	98-1	300	150	333	261	37.40	cps
Neodymium	150-1	7	0	7	4	86.60	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	53	30	33	39	32.45	cps
Phosphorus	31-2	142	92	167	133	28.64	cps
Potassium	39-2	22168	22618	22601	22462	1.14	cps
Rhodium	103-1	9485491	9058762	8341458	8961904	6.45	cps
Rhodium	103-2	4111024	4155901	4076858	4114594	0.96	cps
Scandium	45-1	7561986	7221182	6625787	7136318	6.64	cps
Scandium	45-2	212480	218150	217136	215922	1.40	cps
Selenium	82-1	205	-23	-1	60	208.50	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	46	49	35	43	17.02	cps
Silicon	28-1	8658008	8576811	8596604	8610474	0.49	cps
Silver	107-1	267	233	467	322	39.17	cps
Silver	109-1	200	192	467	286	54.67	cps
Sodium	23-2	65012	64434	65455	64967	0.79	cps
Strontium	86-1	1642	1650	1900	1731	8.48	cps
Strontium	88-1	725	700	1442	956	44.08	cps
Sulfur	34-1	412154	403844	399970	405323	1.54	cps
Terbium	159-1	11776203	10941892	10158588	10958894	7.38	cps
Terbium	159-2	4603255	4694242	4575681	4624393	1.34	cps
Thallium	203-1	825	1083	1000	970	13.60	cps
Thallium	205-1	2309	2259	2317	2295	1.38	cps
Tin	118-1	1008	1125	1125	1086	6.20	cps

LB Number :	LB115244	Operator :	Jaswal
Lab Sample ID :	CCB62	Instrumnet Name :	P8
Client Sample ID :	CCB62	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	200	142	267	203	30.85	cps
Uranium	238-1	8	0	67	25	145.31	cps
Vanadium	51-2	3	3	7	4	43.40	cps
Ytterbium	172-1	33	33	17	28	34.63	cps
Ytterbium	172-2	28	22	33	28	20.00	cps
Ytterbium	176-1	1450	1367	1392	1403	3.05	cps
Ytterbium	176-2	1028	1200	983	1070	10.69	cps
Yttrium	89-1	16519498	15921764	14571629	15670964	6.37	cps
Yttrium	89-2	1779047	1760533	1751934	1763838	0.79	cps
Zinc	66-2	300	333	263	299	11.71	cps
Zirconium	90-1	892	950	858	900	5.16	cps
Zirconium	91-1	250	233	300	261	13.29	cps