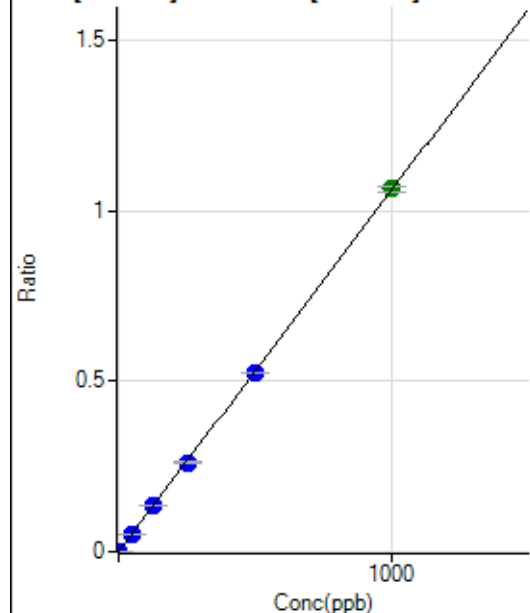


Batch Folder: D:\P8040119I CPMS.b\
Analysis File: P8040119I CPMS.batch.bin
DA Date-Time: 2019-04-01 18:25:51
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-04-01 16:31:14
2			
3	005CALS.d	S02	2019-04-01 16:39:03
4	006CALS.d	S03	2019-04-01 16:42:57
5	007CALS.d	S04	2019-04-01 16:46:51
6	008CALS.d	S05	2019-04-01 16:50:41
7	009CALS.d	S06	2019-04-01 16:54:25
8	010CALS.d	S07	2019-04-01 16:58:04
9	011CALS.d	S08	2019-04-01 17:01:35

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	82.22	0.0001	P	28.4
2	☐	0.100					
3	☐	1.000	1.004	1428.98	0.0011	P	12.8
4	☐	50.000	49.750	72237.93	0.0528	P	2.0
5	☐	125.000	126.180	187499.12	0.1337	P	1.8
6	☐	250.000	245.970	368403.02	0.2607	P	1.5
7	☐	500.000	494.050	731267.71	0.5235	P	0.3
8	☐	1000.000	1003.848	1506125.85	1.0636	A	1.3
9	☐			228.89	0.0002	P	15.8

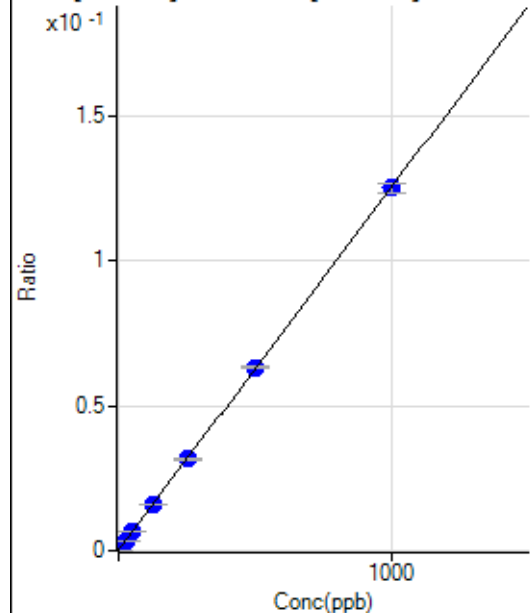
$$y = 0.0011 * x + 6.0991E-005$$

$$R = 1.0000$$

$$DL = 0.049$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	291.68	0.0002	P	8.4
2	☐	2.500					
3	☐	25.000	25.002	4264.72	0.0033	P	6.4
4	☐	50.000	49.769	8836.40	0.0065	P	2.1
5	☐	125.000	125.145	22287.70	0.0159	P	2.2
6	☐	250.000	250.119	44606.99	0.0316	P	2.4
7	☐	500.000	503.733	88481.30	0.0633	P	0.9
8	☐	1000.000	998.097	177395.45	0.1253	P	3.0
9	☐			4984.40	0.0036	P	10.8

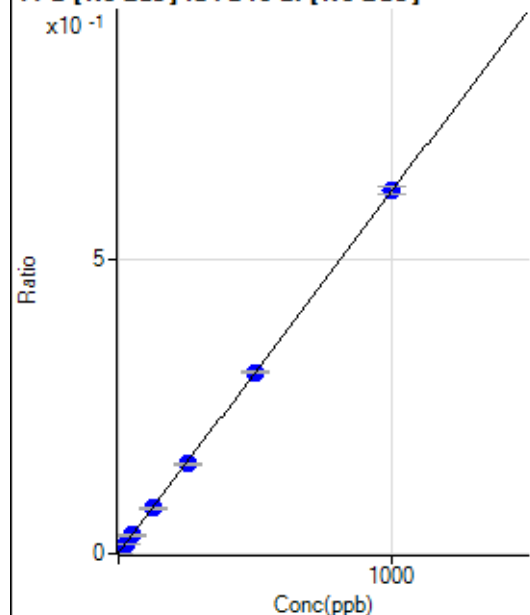
$$y = 1.2531E-004 * x + 2.1641E-004$$

$$R = 1.0000$$

$$DL = 0.435$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1119.54	0.0008	P	12.6
2	☐	2.500					
3	☐	25.000	24.146	20003.61	0.0157	P	7.3
4	☐	50.000	49.687	43062.88	0.0315	P	3.7
5	☐	125.000	124.874	109099.60	0.0778	P	2.4
6	☐	250.000	246.300	215799.69	0.1527	P	0.7
7	☐	500.000	498.739	430707.52	0.3083	P	1.0
8	☐	1000.000	1001.608	875659.85	0.6184	P	2.1
9	☐			24441.05	0.0176	P	8.7

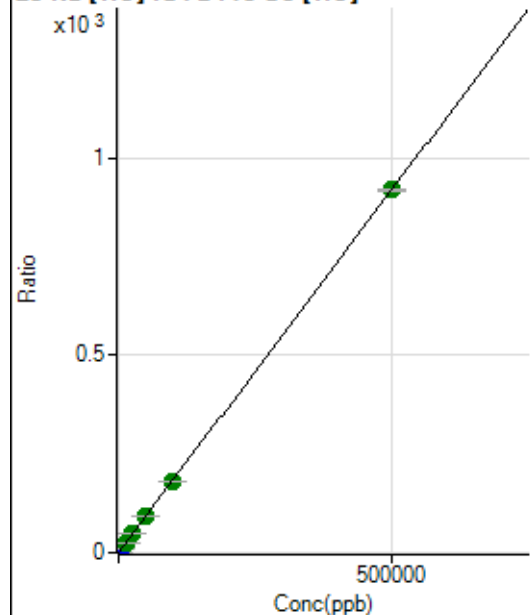
$$y = 6.1658E-004 * x + 8.3113E-004$$

$$R = 1.0000$$

$$DL = 0.5084$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	9984.53	0.2125	P	3.2
2	☐	50.000					
3	☐	500.000	484.639	51125.93	1.1018	P	3.4
4	☐	5000.000	5171.236	445793.48	9.7016	P	0.8
5	☐	12500.000	12976.393	1099639.02	24.0238	A	1.3
6	☐	25000.000	25857.054	2178903.85	47.6595	A	1.7
7	☐	50000.000	50479.841	4249089.25	92.8417	A	0.9
8	☐	100000.00	97809.805	8379256.09	179.6910	A	0.7
9	☐	500000.00	500333.59	43296341.24	918.3121	A	0.7

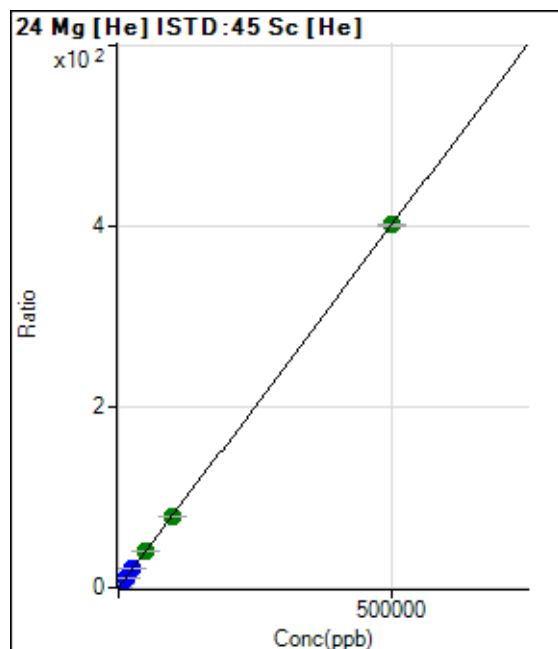
$$y = 0.0018 * x + 0.2125$$

$$R = 1.0000$$

$$DL = 11.17$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	427.80	0.0091	P	16.2
2	☐	50.000					
3	☐	500.000	500.763	19057.88	0.4107	P	3.9
4	☐	5000.000	5259.518	194223.10	4.2271	P	1.8
5	☐	12500.000	13096.514	481201.48	10.5122	P	0.3
6	☐	25000.000	25556.458	937486.35	20.5048	P	1.1
7	☐	50000.000	51404.900	1887174.37	41.2346	A	0.4
8	☐	100000.00	98041.150	3666888.11	78.6358	A	0.8
9	☐	500000.00	500205.94	18914284.62	401.1623	A	0.8

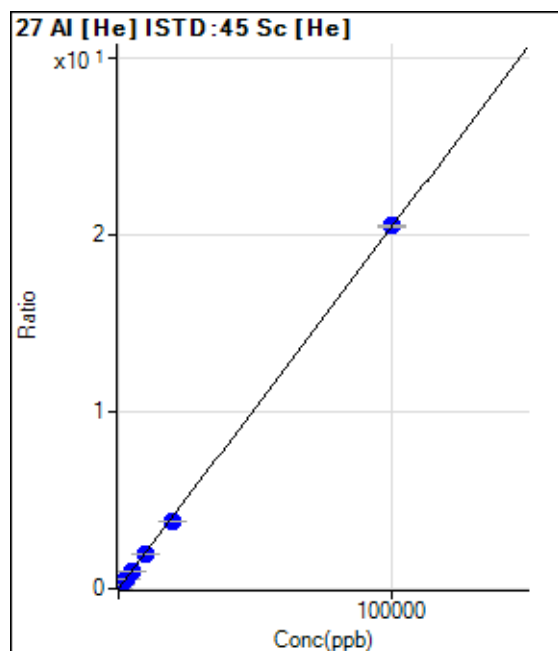
$$y = 8.0198\text{E-}004 * x + 0.0091$$

$$R = 1.0000$$

$$DL = 5.526$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	57.52	0.0012	P	7.3
2	☐	2.000					
3	☐	20.000	19.196	238.40	0.0051	P	11.9
4	☐	1000.000	975.350	9212.04	0.2005	P	1.9
5	☐	2500.000	2420.822	22690.52	0.4957	P	1.4
6	☐	5000.000	4823.887	45108.19	0.9866	P	1.0
7	☐	10000.000	9435.074	88261.99	1.9285	P	1.0
8	☐	20000.000	18514.419	176416.18	3.7831	P	0.3
9	☐	100000.00	100364.64	966665.25	20.5026	P	0.4

$$y = 2.0427\text{E-}004 * x + 0.0012$$

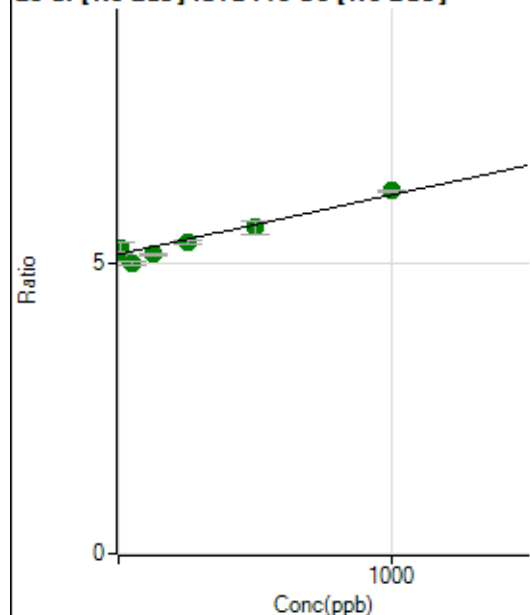
$$R = 0.9999$$

$$DL = 1.311$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	15180626.55	5.1421	A	0.7
2	☐	1.000					
3	☐	10.000	117.026	15078744.43	5.2613	A	3.6
4	☐	50.000	-153.922	15183722.39	4.9853	A	1.4
5	☐	125.000	-3.876	15692518.40	5.1382	A	0.7
6	☐	250.000	196.518	16092177.79	5.3423	A	1.0
7	☐	500.000	445.272	16955635.28	5.5956	A	3.6
8	☐	1000.000	1065.970	19217324.73	6.2278	A	0.9
9	☐			16089489.77	5.2911	A	2.6

$$y = 0.0010 * x + 5.1421$$

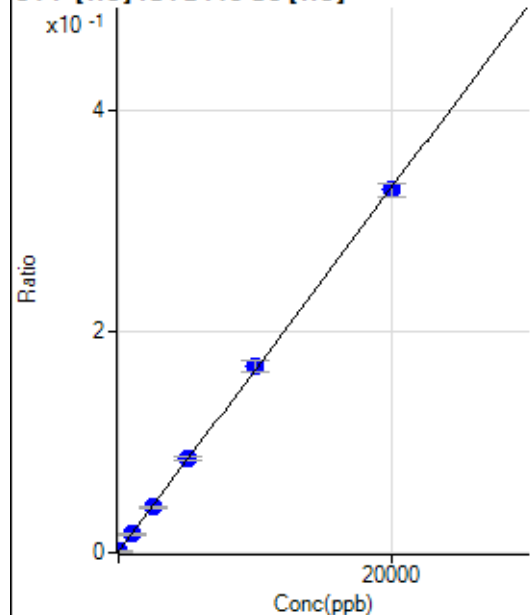
$$R = 0.9686$$

$$DL = 107.6$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-28.995	16.67	0.0003	P	86.6
2	☐	0.000					
3	☐	0.000	28.995	61.11	0.0013	P	106.4
4	☐	1000.000	983.819	783.39	0.0170	P	7.0
5	☐	2500.000	2457.015	1891.89	0.0413	P	2.8
6	☐	5000.000	5085.983	3870.13	0.0847	P	4.2
7	☐	10000.000	10207.985	7738.59	0.1691	P	6.9
8	☐	20000.000	19880.694	15317.21	0.3285	P	3.4
9	☐			19.44	0.0004	P	66.0

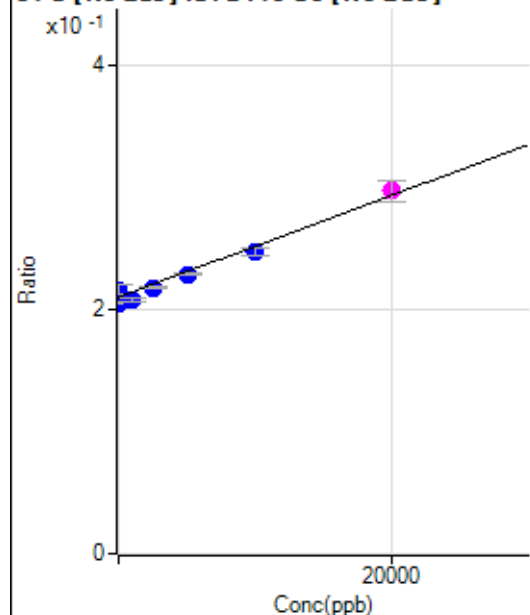
$$y = 1.6482E-005 * x + 8.2771E-004$$

$$R = 0.9999$$

$$DL = 154$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-1417.471	603317.29	0.2044	P	0.3
2	☐	0.000					
3	☐	0.000	1417.471	619481.03	0.2162	P	3.8
4	☐	1000.000	-477.510	634302.85	0.2083	P	1.9
5	☐	2500.000	1836.039	665501.05	0.2179	P	1.0
6	☐	5000.000	4445.673	689173.33	0.2288	P	0.7
7	☐	10000.000	8861.237	749227.43	0.2472	P	2.0
8	☐	20000.000	20864.834	916783.46	0.2972	M	6.2
9	☐			520092.67	0.1710	P	2.6

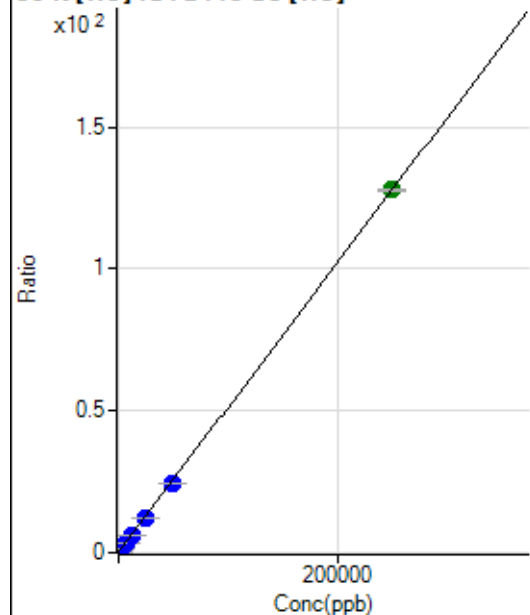
$$y = 4.1653\text{E-}006 * x + 0.2103$$

$$R = 0.9904$$

$$DL = 3204$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	7046.52	0.1501	P	3.5
2	☐	50.000					
3	☐	500.000	475.294	18207.04	0.3923	P	2.3
4	☐	2500.000	2459.888	64484.52	1.4034	P	1.9
5	☐	6250.000	6224.060	152033.00	3.3212	P	0.7
6	☐	12500.000	12159.398	290087.85	6.3452	P	1.8
7	☐	25000.000	24050.136	567660.47	12.4034	P	0.4
8	☐	50000.000	47197.013	1128334.64	24.1964	P	0.4
9	☐	250000.00	250673.71	6028663.37	127.8651	A	0.3

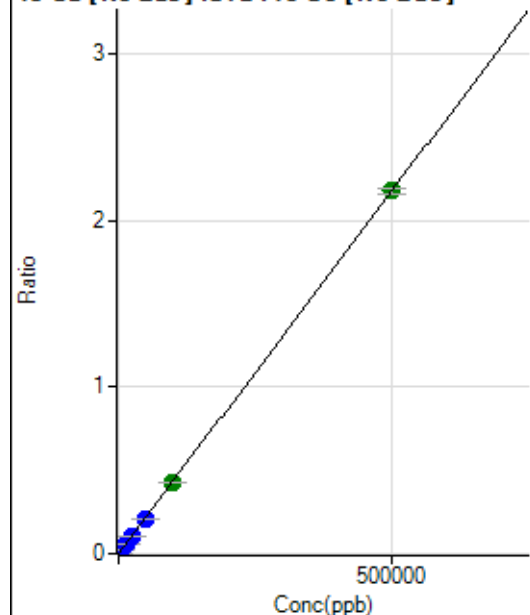
$$y = 5.0949\text{E-}004 * x + 0.1501$$

$$R = 0.9999$$

$$DL = 31.04$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	517.80	0.0002	P	9.1
2	☐	50.000					
3	☐	500.000	464.989	6304.85	0.0022	P	4.5
4	☐	5000.000	4745.650	63474.72	0.0208	P	1.5
5	☐	12500.000	12010.340	160265.51	0.0525	P	0.8
6	☐	25000.000	24012.253	315546.42	0.1047	P	1.1
7	☐	50000.000	48072.497	635290.92	0.2095	P	0.5
8	☐	100000.00	97464.581	1310196.13	0.4246	A	0.9
9	☐	500000.00	500764.04	6632384.41	2.1808	A	1.9

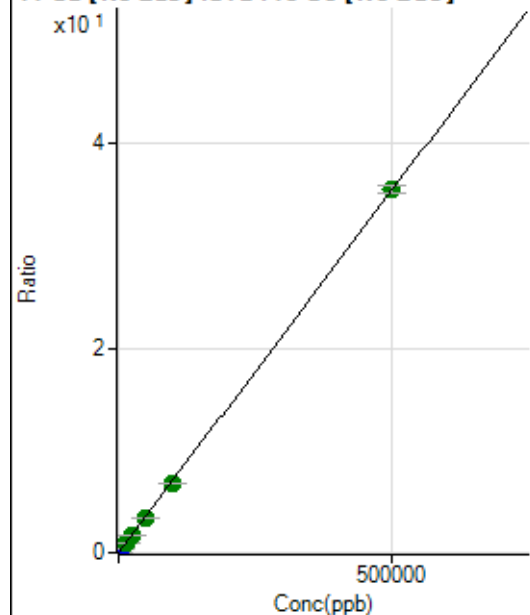
$$y = 4.3546\text{E-}006 * x + 1.7544\text{E-}004$$

R = 1.0000

DL = 11.01

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	32492.16	0.0110	P	1.0
2	☐	50.000					
3	☐	500.000	474.515	127862.26	0.0446	P	4.2
4	☐	5000.000	4786.705	1066316.20	0.3501	P	0.8
5	☐	12500.000	12211.984	2675782.93	0.8761	A	0.6
6	☐	25000.000	23859.697	5125096.76	1.7012	A	0.9
7	☐	50000.000	47835.301	10309019.71	3.3996	A	0.6
8	☐	100000.00	95887.617	20994475.94	6.8036	A	0.4
9	☐	500000.00	501105.32	107988139.5	35.5087	A	2.0

$$y = 7.0839\text{E-}005 * x + 0.0110$$

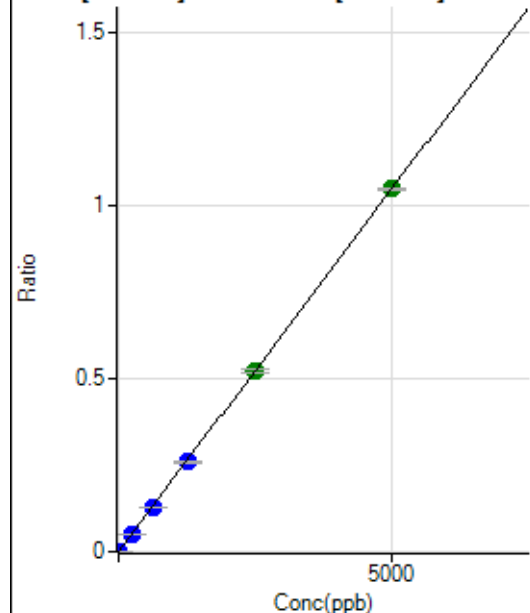
R = 1.0000

DL = 4.454

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.01	0.0001	P	21.9
2	☐	0.500					
3	☐	5.000	5.314	3364.46	0.0012	P	1.2
4	☐	250.000	244.911	156565.73	0.0514	P	1.0
5	☐	625.000	620.438	397433.02	0.1301	P	0.8
6	☐	1250.000	1234.367	779755.38	0.2588	P	0.7
7	☐	2500.000	2497.040	1587250.82	0.5236	A	1.5
8	☐	5000.000	5006.213	3238785.97	1.0496	A	0.7
9	☐			741.72	0.0002	P	7.4

$$y = 2.0965E-004 * x + 5.9294E-005$$

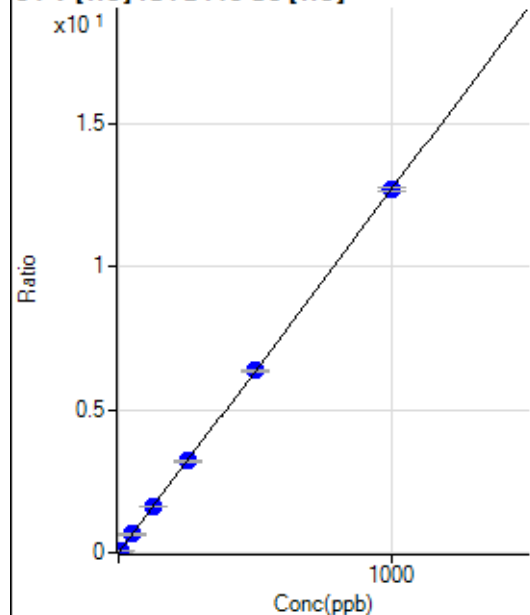
$$R = 1.0000$$

$$DL = 0.186$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24.44	0.0005	P	19.3
2	☐	0.500					
3	☐	5.000	4.981	2954.82	0.0637	P	6.7
4	☐	50.000	50.258	29319.84	0.6381	P	1.7
5	☐	125.000	126.366	73408.92	1.6037	P	1.0
6	☐	250.000	252.094	146244.21	3.1987	P	1.4
7	☐	500.000	501.043	290939.70	6.3570	P	0.4
8	☐	1000.000	998.771	590877.30	12.6714	P	1.0
9	☐			127.78	0.0027	P	7.9

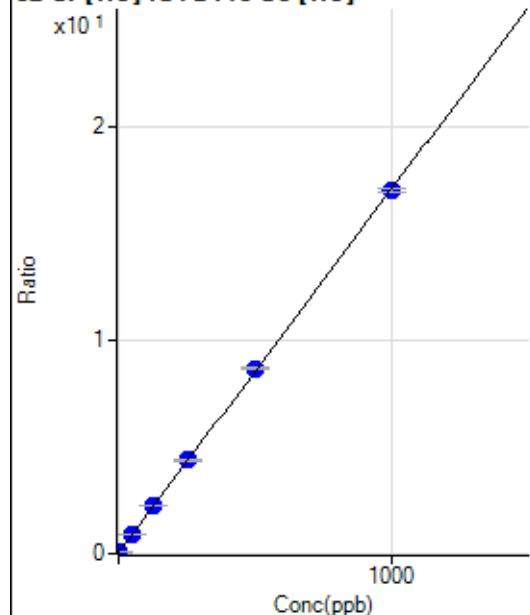
$$y = 0.0127 * x + 5.1975E-004$$

$$R = 1.0000$$

$$DL = 0.02378$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1425.66	0.0303	P	2.3
2	☐	0.200					
3	☐	2.000	2.168	3123.74	0.0673	P	4.1
4	☐	50.000	51.540	41785.96	0.9094	P	2.0
5	☐	125.000	128.678	101854.84	2.2250	P	0.9
6	☐	250.000	254.840	200098.70	4.3768	P	1.7
7	☐	500.000	505.770	396186.55	8.6566	P	1.0
8	☐	1000.000	995.368	793054.98	17.0070	P	0.9
9	☐			7076.35	0.1501	P	1.3

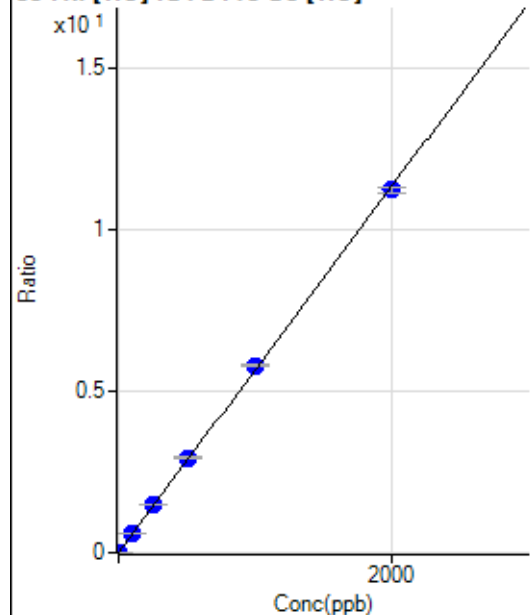
$$y = 0.0171 * x + 0.0303$$

$$R = 1.0000$$

$$DL = 0.1209$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.55	0.0012	P	32.9
2	☐	0.100					
3	☐	1.000	1.088	340.01	0.0073	P	17.4
4	☐	100.000	104.677	27272.41	0.5935	P	0.9
5	☐	250.000	260.869	67628.45	1.4774	P	0.5
6	☐	500.000	515.792	133492.18	2.9199	P	1.8
7	☐	1000.000	1023.581	265142.52	5.7934	P	0.5
8	☐	2000.000	1982.669	523213.65	11.2206	P	1.4
9	☐			2117.98	0.0449	P	0.8

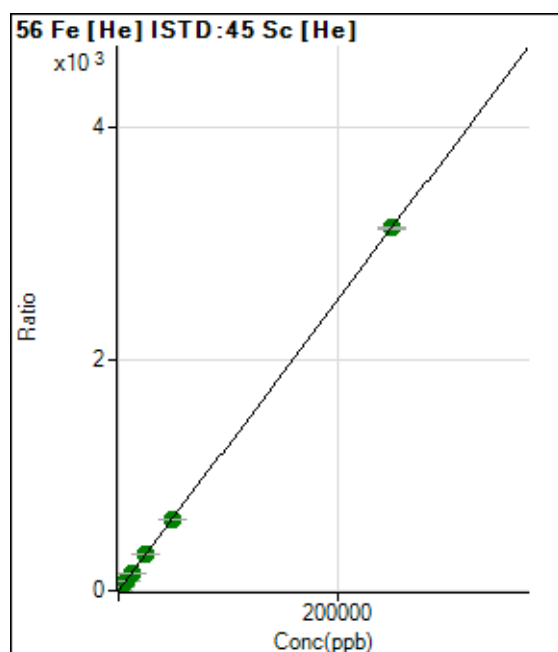
$$y = 0.0057 * x + 0.0012$$

$$R = 0.9999$$

$$DL = 0.2076$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3185.64	0.0679	P	4.1
2	☐	5.000					
3	☐	50.000	49.977	32180.22	0.6934	P	2.8
4	☐	2500.000	2570.053	1481181.82	32.2350	A	1.4
5	☐	6250.000	6388.368	3663252.25	80.0254	A	0.7
6	☐	12500.000	12452.384	7128600.22	155.9233	A	1.6
7	☐	25000.000	24800.132	14209159.46	310.4691	A	0.3
8	☐	50000.000	48672.392	28410386.28	609.2570	A	0.8
9	☐	250000.00	250283.72	147698340.3	3,132.647	A	0.9

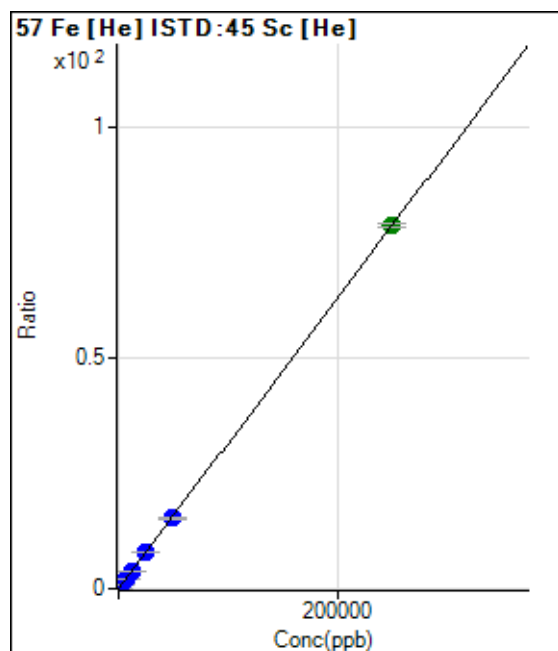
$$y = 0.0125 * x + 0.0679$$

$$R = 1.0000$$

$$DL = 0.6694$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	111.12	0.0024	P	11.4
2	☐	5.000					
3	☐	50.000	52.184	870.42	0.0188	P	4.6
4	☐	2500.000	2527.984	36581.80	0.7962	P	1.6
5	☐	6250.000	6313.486	90855.81	1.9848	P	0.5
6	☐	12500.000	12492.164	179452.17	3.9250	P	1.3
7	☐	25000.000	24879.185	357644.29	7.8145	P	0.5
8	☐	50000.000	48605.955	711812.93	15.2648	P	0.9
9	☐	250000.00	250289.41	3705482.46	78.5941	A	1.2

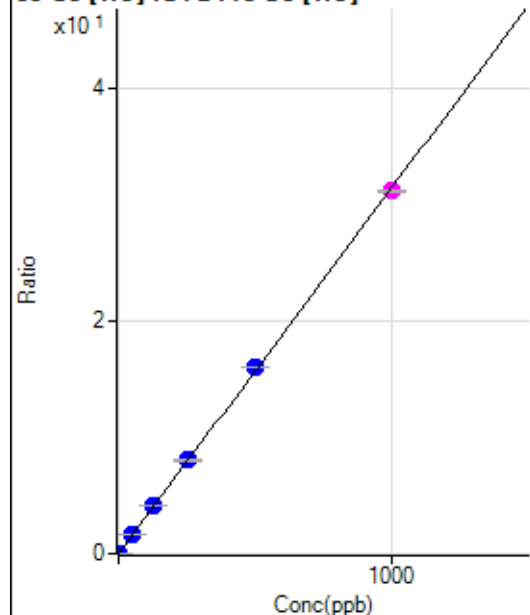
$$y = 3.1400E-004 * x + 0.0024$$

$$R = 1.0000$$

$$DL = 2.573$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	92.23	0.0020	P	4.5
2	☐	0.100					
3	☐	1.000	0.934	1453.44	0.0313	P	8.2
4	☐	50.000	51.265	74026.71	1.6110	P	1.1
5	☐	125.000	130.201	187144.11	4.0886	P	1.4
6	☐	250.000	256.275	367849.63	8.0456	P	1.2
7	☐	500.000	510.007	732701.40	16.0095	P	0.1
8	☐	1000.000	992.715	1453065.43	31.1601	M	0.3
9	☐			17671.45	0.3748	P	1.9

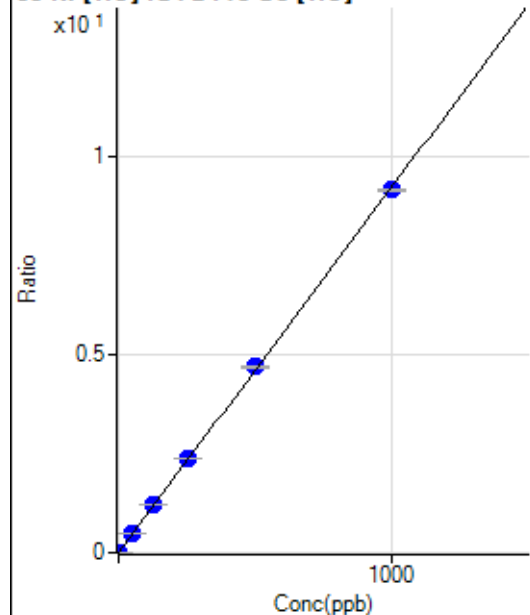
$$y = 0.0314 * x + 0.0020$$

$$R = 0.9999$$

$$DL = 0.008408$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	71.11	0.0015	P	26.3
2	☐	0.100					
3	☐	1.000	1.077	532.24	0.0115	P	5.3
4	☐	50.000	51.960	22101.09	0.4810	P	2.2
5	☐	125.000	130.315	55111.93	1.2040	P	1.0
6	☐	250.000	257.199	108585.85	2.3748	P	0.5
7	☐	500.000	508.235	214704.93	4.6913	P	0.5
8	☐	1000.000	993.321	427494.37	9.1675	P	0.7
9	☐			5347.78	0.1134	P	4.9

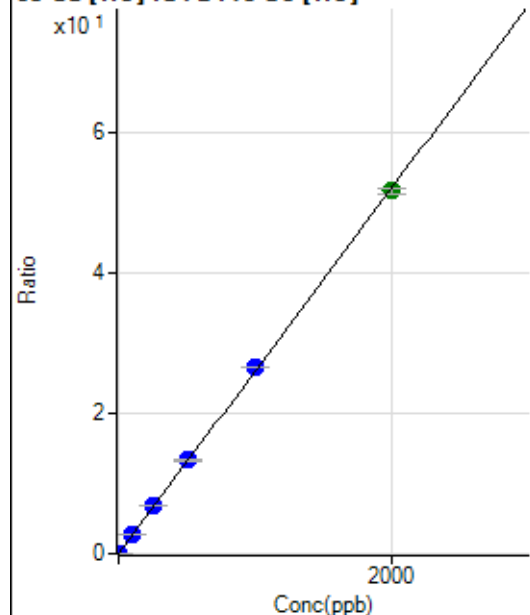
$$y = 0.0092 * x + 0.0015$$

$$R = 0.9999$$

$$DL = 0.1295$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	305.56	0.0065	P	8.0
2	☐	0.200					
3	☐	2.000	1.947	2651.41	0.0571	P	1.6
4	☐	100.000	103.448	123823.86	2.6949	P	1.5
5	☐	250.000	259.487	308976.58	6.7500	P	0.5
6	☐	500.000	511.815	608405.25	13.3074	P	1.4
7	☐	1000.000	1019.331	1212659.78	26.4965	P	0.2
8	☐	2000.000	1986.023	2407010.36	51.6186	A	1.3
9	☐			4789.79	0.1016	P	3.0

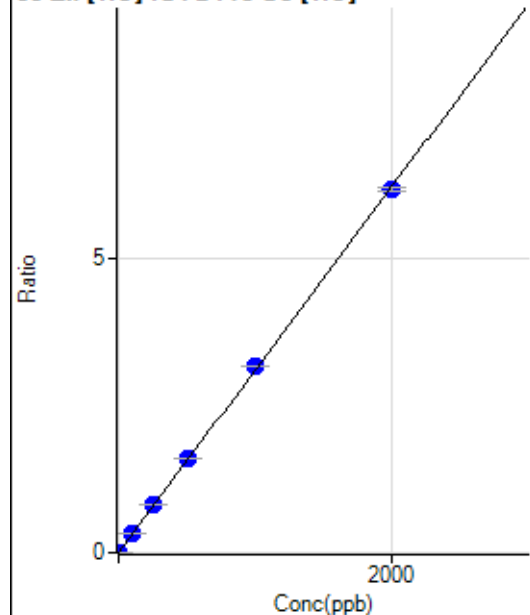
$$y = 0.0260 * x + 0.0065$$

$$R = 0.9999$$

$$DL = 0.05982$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	22.22	0.0005	P	82.0
2	☐	0.200					
3	☐	2.000	1.914	298.90	0.0064	P	8.3
4	☐	100.000	103.379	14801.44	0.3221	P	0.9
5	☐	250.000	259.918	37038.44	0.8091	P	1.5
6	☐	500.000	513.780	73101.42	1.5989	P	1.4
7	☐	1000.000	1020.346	145305.91	3.1749	P	0.5
8	☐	2000.000	1984.973	287992.37	6.1760	P	1.0
9	☐			2260.22	0.0479	P	1.6

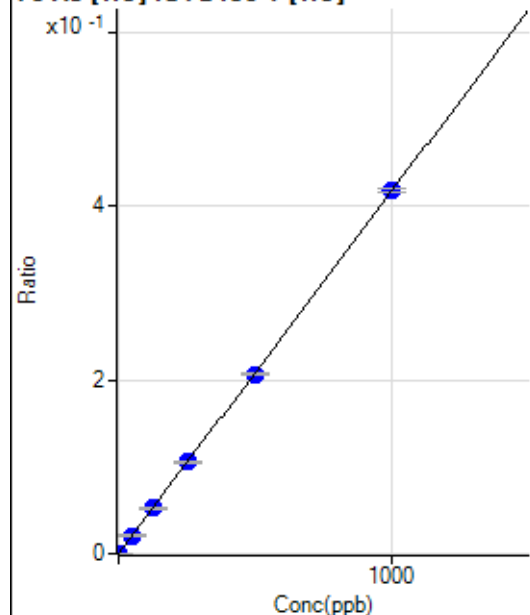
$$y = 0.0031 * x + 4.7261E-004$$

$$R = 0.9999$$

$$DL = 0.3737$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	12.96	0.0000	P	35.7
2	☐	0.100					
3	☐	1.000	0.892	106.79	0.0004	P	4.0
4	☐	50.000	50.076	5375.78	0.0209	P	1.7
5	☐	125.000	124.828	13506.68	0.0520	P	0.6
6	☐	250.000	253.148	27163.15	0.1055	P	1.1
7	☐	500.000	495.645	53775.13	0.2065	P	0.3
8	☐	1000.000	1001.408	109234.75	0.4172	P	1.1
9	☐			172.23	0.0006	P	0.2

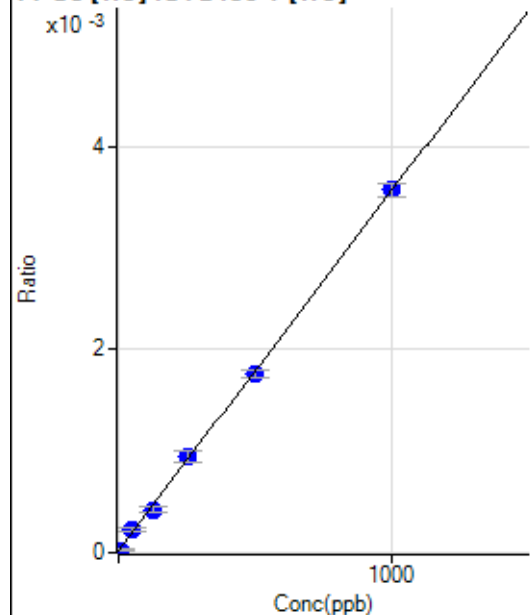
$$y = 4.1656\text{E-}004 * x + 4.9631\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.1275$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5.56	0.0000	P	34.7
2	☐	0.500					
3	☐	5.000	0.127	5.56	0.0000	P	90.5
4	☐	50.000	58.766	58.89	0.0002	P	12.9
5	☐	125.000	113.752	110.00	0.0004	P	13.4
6	☐	250.000	259.979	242.23	0.0009	P	11.2
7	☐	500.000	490.945	457.79	0.0018	P	4.0
8	☐	1000.000	1003.025	934.49	0.0036	P	3.4
9	☐			4.44	0.0000	P	43.4

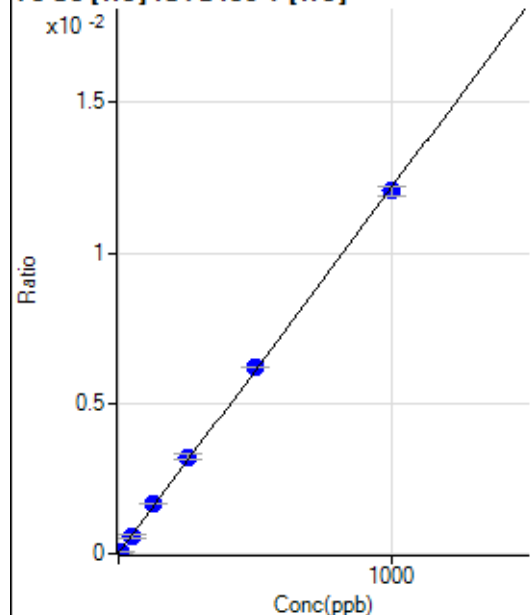
$$y = 3.5371\text{E-}006 * x + 2.1376\text{E-}005$$

$$R = 0.9997$$

$$DL = 6.29$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.47	0.0000	P	115.3
2	☐	0.500					
3	☐	5.000	5.018	17.90	0.0001	P	29.9
4	☐	50.000	46.639	148.15	0.0006	P	13.0
5	☐	125.000	134.436	426.55	0.0016	P	1.6
6	☐	250.000	264.647	830.90	0.0032	P	4.1
7	☐	500.000	508.628	1612.46	0.0062	P	0.2
8	☐	1000.000	991.013	3157.18	0.0121	P	2.8
9	☐			5.56	0.0000	P	33.6

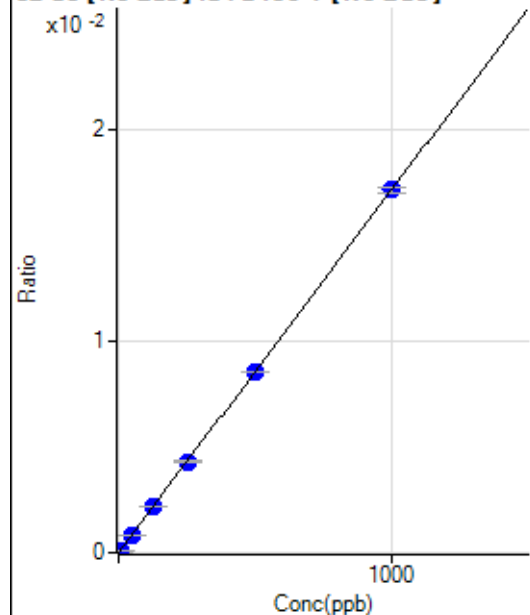
$$y = 1.2156\text{E-}005 * x + 9.6519\text{E-}006$$

$$R = 0.9998$$

$$DL = 2.747$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-29.55	0.0000	P	-228.
2	☐	0.500					
3	☐	5.000	5.772	346.72	0.0001	P	22.3
4	☐	50.000	49.595	3388.87	0.0008	P	1.5
5	☐	125.000	126.270	8755.96	0.0022	P	1.5
6	☐	250.000	250.905	17516.00	0.0043	P	1.6
7	☐	500.000	498.356	35461.06	0.0085	P	0.4
8	☐	1000.000	1000.453	72692.69	0.0172	P	1.3
9	☐			34.19	0.0000	P	92.9

$$y = 1.7158\text{E-}005 * x - 7.4770\text{E-}006$$

$$R = 1.0000$$

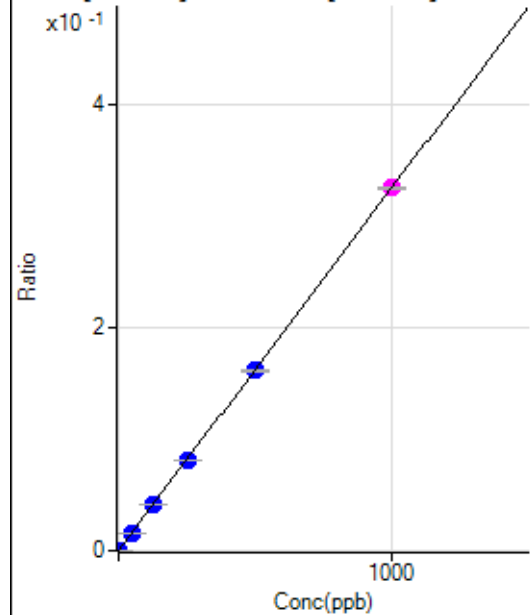
$$DL = 2.989$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			560.02		P	11.5
2	☐						
3	☐			561.13		P	9.1
4	☐			535.58		P	8.0
5	☐			545.58		P	4.9
6	☐			566.69		P	9.2
7	☐			524.47		P	5.9
8	☐			564.47		P	11.2
9	☐			552.25		P	4.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	741.73	0.0002	P	14.3
2	☐	0.100					
3	☐	1.000	0.973	1914.11	0.0005	P	13.6
4	☐	50.000	49.319	65052.67	0.0162	P	1.2
5	☐	125.000	126.765	167610.55	0.0413	P	1.4
6	☐	250.000	249.913	331332.59	0.0813	P	1.2
7	☐	500.000	497.468	670895.59	0.1616	P	0.7
8	☐	1000.000	1001.101	1377334.79	0.3251	M	0.5
9	☐			6054.39	0.0015	P	3.0

$$y = 3.2455E-004 * x + 1.8807E-004$$

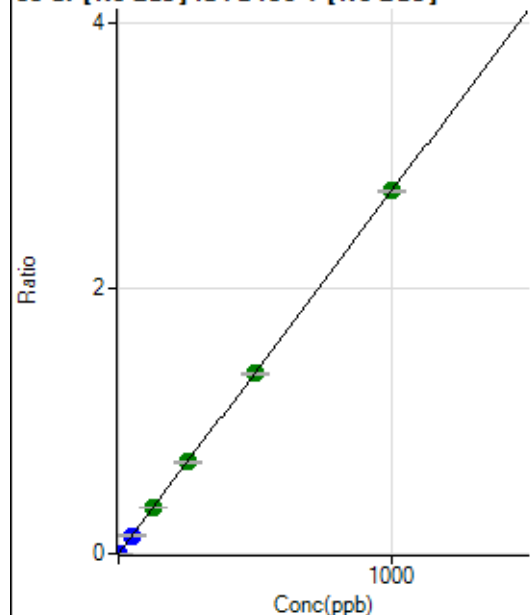
$$R = 1.0000$$

$$DL = 0.2486$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58.34	0.0000	P	14.0
2	☐	0.100					
3	☐	1.000	0.881	9200.74	0.0024	P	5.5
4	☐	50.000	50.348	552790.02	0.1376	P	1.8
5	☐	125.000	128.079	1419924.87	0.3501	A	0.1
6	☐	250.000	252.395	2811151.84	0.6898	A	1.3
7	☐	500.000	496.622	5633333.80	1.3573	A	1.0
8	☐	1000.000	1000.688	11587198.35	2.7349	A	0.7
9	☐			43526.18	0.0107	P	2.0

$$y = 0.0027 * x + 1.4791E-005$$

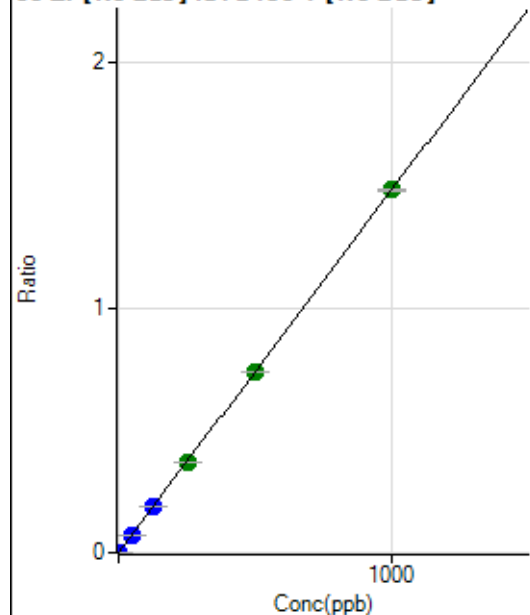
$$R = 1.0000$$

$$DL = 0.002269$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	330.58	0.0001	P	1.7
2	☐	0.100					
3	☐	1.000	0.906	5409.66	0.0014	P	3.7
4	☐	50.000	48.336	287478.06	0.0716	P	1.5
5	☐	125.000	125.450	752794.57	0.1856	P	0.8
6	☐	250.000	249.984	1507028.69	0.3698	A	1.0
7	☐	500.000	498.157	3058356.16	0.7368	A	0.5
8	☐	1000.000	1000.952	6271895.32	1.4804	A	0.8
9	☐			1811.32	0.0004	P	1.7

$$y = 0.0015 * x + 8.3844E-005$$

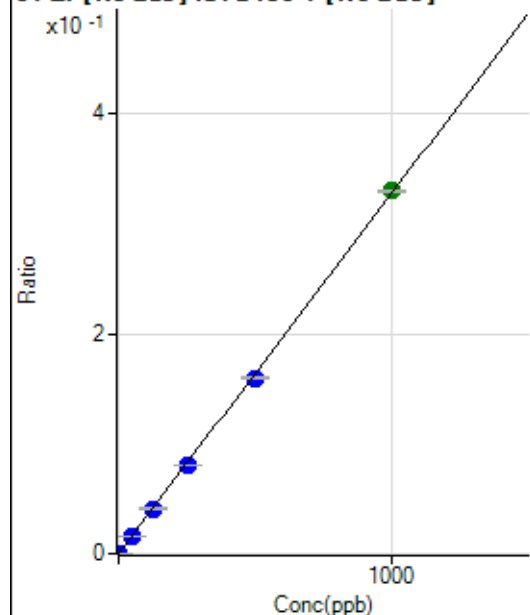
$$R = 1.0000$$

$$DL = 0.00282$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	58.34	0.0000	P	42.6
2	☐	0.100					
3	☐	1.000	0.933	1219.56	0.0003	P	3.9
4	☐	50.000	48.198	63462.79	0.0158	P	1.5
5	☐	125.000	125.314	166463.31	0.0411	P	2.3
6	☐	250.000	245.379	327546.37	0.0804	P	0.9
7	☐	500.000	488.199	663572.90	0.1599	P	0.8
8	☐	1000.000	1007.106	1397314.95	0.3298	A	0.5
9	☐			319.47	0.0001	P	14.6

$$y = 3.2746\text{E-}004 * x + 1.4782\text{E-}005$$

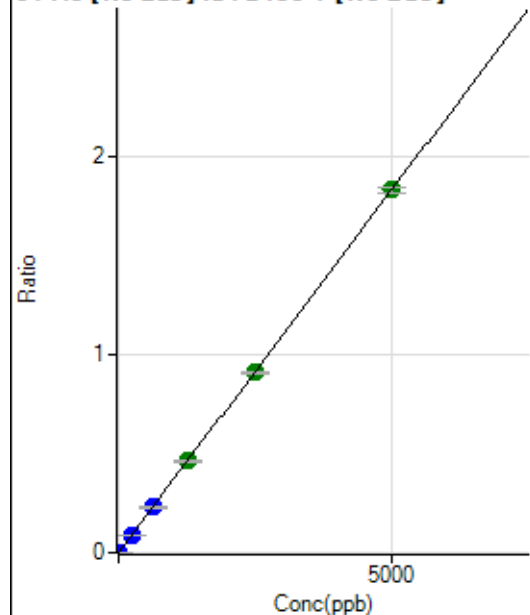
$$R = 0.9999$$

$$DL = 0.05773$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	94.45	0.0000	P	13.1
2	☐	0.500					
3	☐	5.000	4.606	6487.95	0.0017	P	8.7
4	☐	250.000	244.437	359475.86	0.0895	P	1.8
5	☐	625.000	626.555	930062.08	0.2294	P	2.1
6	☐	1250.000	1261.435	1881744.07	0.4617	A	1.2
7	☐	2500.000	2485.186	3775377.21	0.9096	A	1.2
8	☐	5000.000	5004.632	7761184.72	1.8318	A	1.6
9	☐			3389.47	0.0008	P	9.7

$$y = 3.6602\text{E-}004 * x + 2.3946\text{E-}005$$

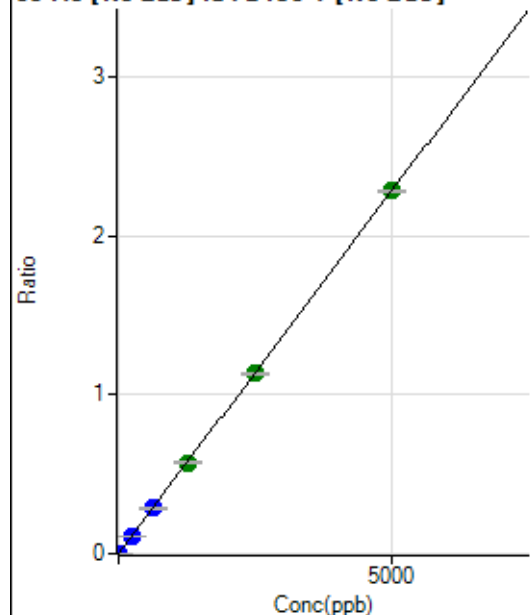
$$R = 1.0000$$

$$DL = 0.02568$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	61.12	0.0000	P	33.9
2	☐	0.500					
3	☐	5.000	4.691	8191.80	0.0022	P	7.7
4	☐	250.000	244.814	449328.33	0.1119	P	1.2
5	☐	625.000	628.296	1164051.18	0.2870	P	1.8
6	☐	1250.000	1257.102	2340576.94	0.5743	A	1.8
7	☐	2500.000	2488.690	4718905.36	1.1369	A	1.0
8	☐	5000.000	5003.727	9684959.24	2.2859	A	0.4
9	☐			4670.47	0.0012	P	3.0

$$y = 4.5684\text{E-}004 * x + 1.5486\text{E-}005$$

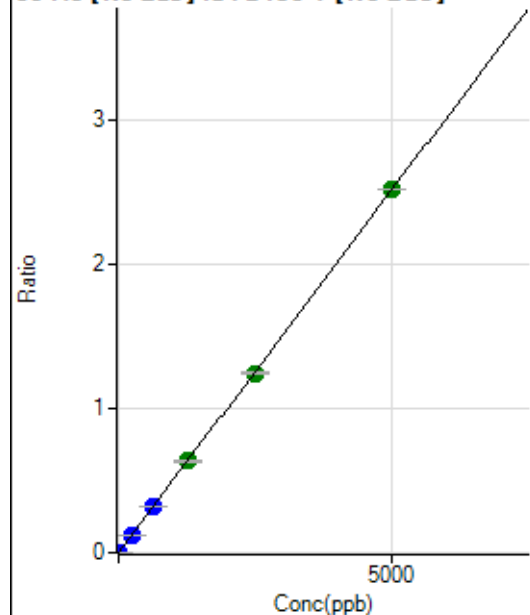
$$R = 1.0000$$

$$DL = 0.03452$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	66.67	0.0000	P	33.0
2	☐	0.500					
3	☐	5.000	4.869	9359.20	0.0025	P	4.1
4	☐	250.000	245.035	494715.19	0.1232	P	1.3
5	☐	625.000	631.280	1286525.27	0.3172	P	1.9
6	☐	1250.000	1266.732	2594644.29	0.6366	A	1.2
7	☐	2500.000	2478.824	5170761.97	1.2457	A	0.7
8	☐	5000.000	5005.869	10657918.03	2.5156	A	0.1
9	☐			5576.40	0.0014	P	4.7

$$y = 5.0252\text{E-}004 * x + 1.6907\text{E-}005$$

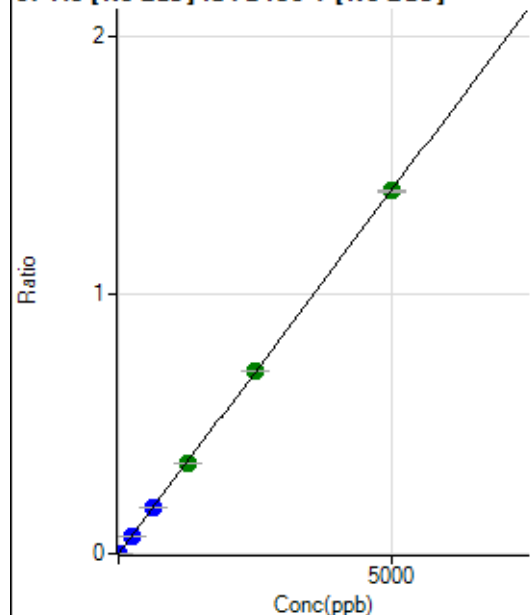
$$R = 1.0000$$

$$DL = 0.03327$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	41.9
2	☐	0.500					
3	☐	5.000	4.792	5170.64	0.0014	P	5.0
4	☐	250.000	245.171	276481.65	0.0688	P	1.9
5	☐	625.000	635.234	723092.77	0.1783	P	2.1
6	☐	1250.000	1248.668	1428466.96	0.3505	A	0.6
7	☐	2500.000	2515.423	2930609.01	0.7061	A	0.6
8	☐	5000.000	4991.584	5936026.52	1.4011	A	0.8
9	☐			2761.51	0.0007	P	13.5

$$y = 2.8068\text{E-}004 * x + 1.6207\text{E-}005$$

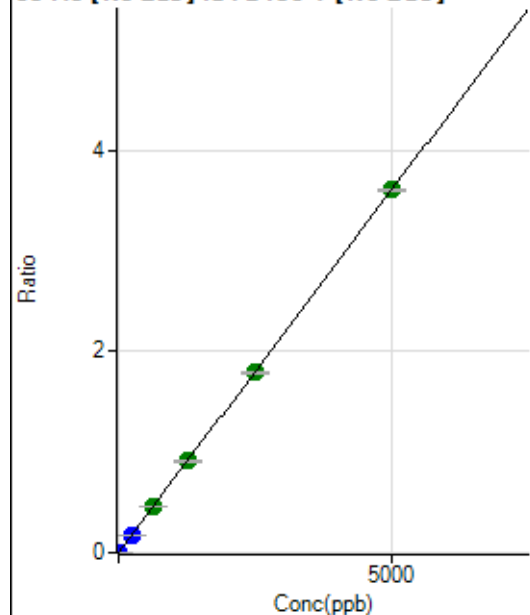
$$R = 1.0000$$

$$DL = 0.07265$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	91.67	0.0000	P	15.6
2	☐	0.500					
3	☐	5.000	4.861	13382.25	0.0035	P	4.7
4	☐	250.000	244.486	707135.30	0.1760	P	2.1
5	☐	625.000	642.286	1875384.92	0.4625	A	1.9
6	☐	1250.000	1260.452	3698297.09	0.9075	A	1.6
7	☐	2500.000	2482.655	7419257.03	1.7875	A	0.7
8	☐	5000.000	5004.175	15265070.31	3.6029	A	0.8
9	☐			6921.52	0.0017	P	6.0

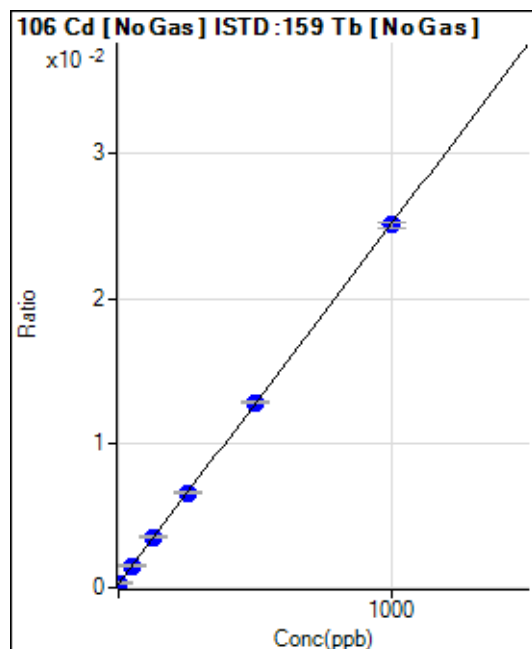
$$y = 7.1998\text{E-}004 * x + 2.3247\text{E-}005$$

$$R = 1.0000$$

$$DL = 0.01511$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	994.53	0.0003	P	11.0
2	☐	0.100					
3	☐	1.000	1.852	1100.10	0.0003	P	3.3
4	☐	50.000	50.004	5506.92	0.0015	P	2.0
5	☐	125.000	129.708	13170.88	0.0035	P	4.1
6	☐	250.000	253.048	25196.73	0.0066	P	1.1
7	☐	500.000	503.606	49963.24	0.0128	P	1.7
8	☐	1000.000	996.845	101430.68	0.0251	P	1.8
9	☐			1088.99	0.0003	P	4.8

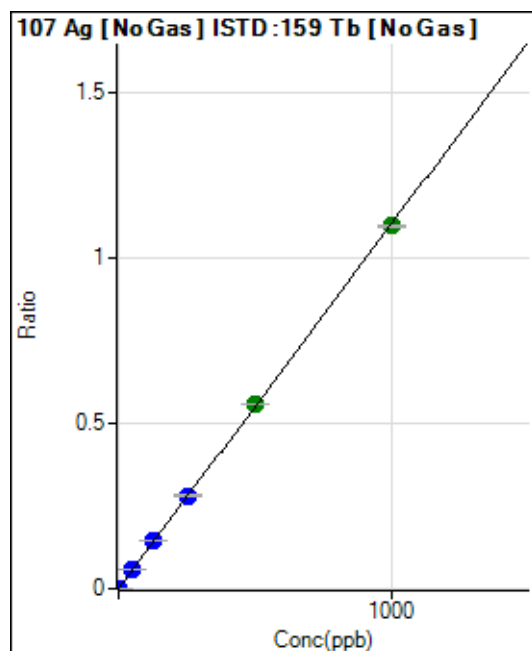
$$y = 2.4874\text{E-}005 * x + 2.8160\text{E-}004$$

$$R = 1.0000$$

$$DL = 3.729$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	141.67	0.0000	P	11.6
2	☐	0.100					
3	☐	1.000	1.187	4531.55	0.0013	P	4.2
4	☐	50.000	52.488	208985.14	0.0579	P	1.2
5	☐	125.000	130.820	541607.51	0.1442	P	1.3
6	☐	250.000	255.236	1078223.54	0.2814	P	1.0
7	☐	500.000	506.364	2177456.88	0.5582	A	0.4
8	☐	1000.000	994.657	4434588.94	1.0964	A	0.9
9	☐			791.73	0.0002	P	6.1

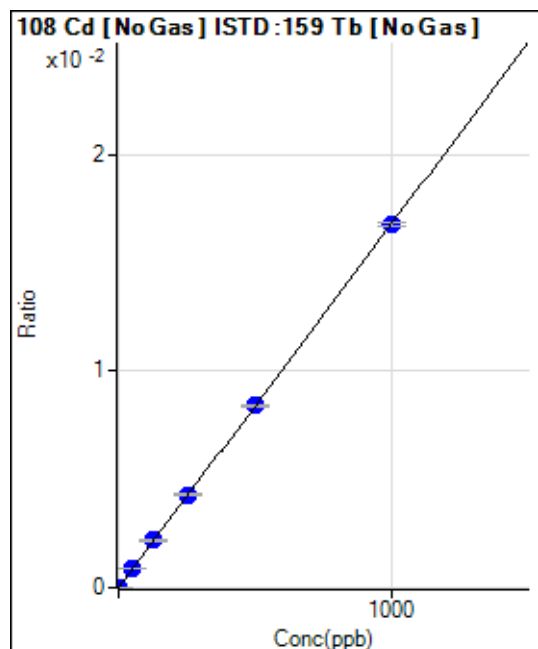
$$y = 0.0011 * x + 4.0096\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.01266$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4.17	0.0000	P	100.4
2	☐	0.100					
3	☐	1.000	1.254	75.01	0.0000	P	14.8
4	☐	50.000	51.954	3151.83	0.0009	P	2.8
5	☐	125.000	129.792	8184.60	0.0022	P	1.0
6	☐	250.000	256.149	16478.43	0.0043	P	1.8
7	☐	500.000	500.570	32781.85	0.0084	P	0.7
8	☐	1000.000	997.481	67716.28	0.0167	P	1.2
9	☐			27.78	0.0000	P	19.2

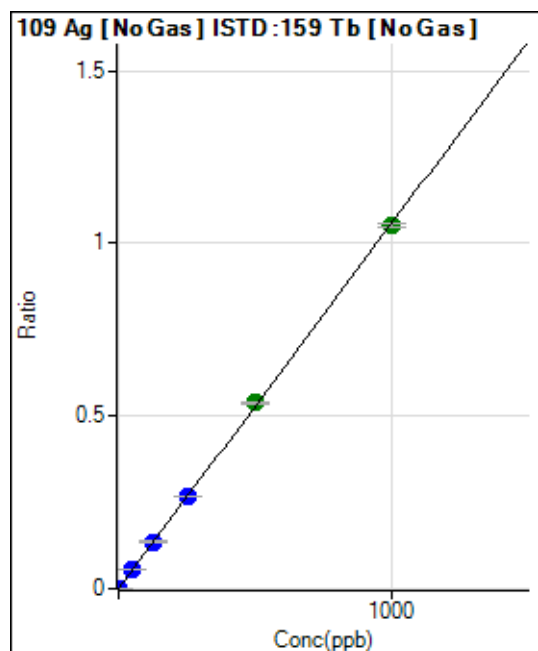
$$y = 1.6783\text{E-}005 * x + 1.1834\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.2124$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	108.34	0.0000	P	19.8
2	☐	0.100					
3	☐	1.000	1.172	4256.44	0.0013	P	5.9
4	☐	50.000	52.186	199295.01	0.0552	P	3.0
5	☐	125.000	128.923	512027.37	0.1364	P	1.9
6	☐	250.000	252.654	1023903.29	0.2672	P	0.2
7	☐	500.000	510.125	2104403.95	0.5395	A	1.1
8	☐	1000.000	993.674	4250282.74	1.0508	A	1.0
9	☐			711.17	0.0002	P	4.2

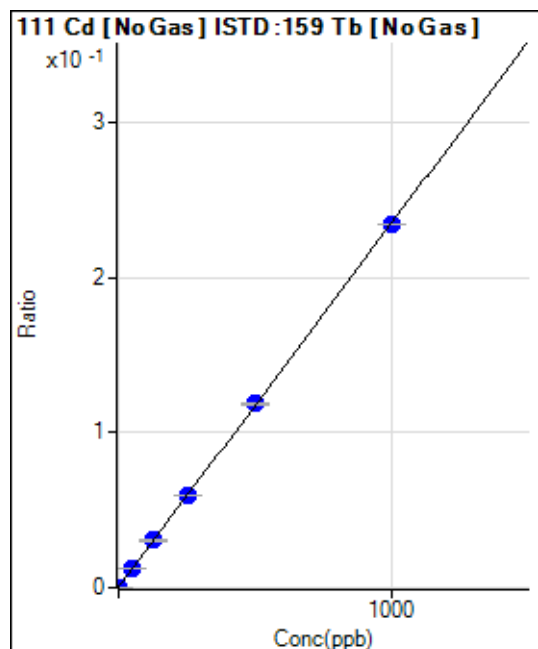
$$y = 0.0011 * x + 3.0642\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.01721$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	701.58	0.0002	P	11.4
2	☐	0.100					
3	☐	1.000	1.122	1549.57	0.0005	P	3.1
4	☐	50.000	51.674	44483.58	0.0123	P	0.7
5	☐	125.000	129.573	114889.94	0.0306	P	1.6
6	☐	250.000	254.609	229654.44	0.0599	P	0.5
7	☐	500.000	505.429	463299.71	0.1188	P	1.1
8	☐	1000.000	995.478	945429.28	0.2337	P	0.0
9	☐			799.79	0.0002	P	4.4

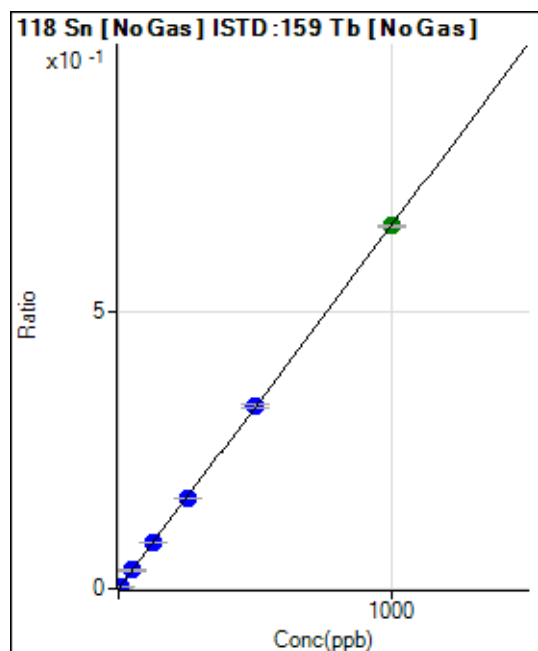
$$y = 2.3460\text{E-}004 * x + 1.9865\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.2893$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	222.23	0.0001	P	15.9
2	☐	0.500					
3	☐	5.000	5.209	11705.64	0.0035	P	6.1
4	☐	50.000	50.314	119759.90	0.0332	P	1.0
5	☐	125.000	127.600	315502.37	0.0840	P	2.2
6	☐	250.000	248.392	626529.36	0.1635	P	0.6
7	☐	500.000	502.764	1290691.97	0.3309	P	1.2
8	☐	1000.000	998.678	2658273.98	0.6572	A	0.3
9	☐			1586.28	0.0004	P	4.3

$$y = 6.5801\text{E-}004 * x + 6.2923\text{E-}005$$

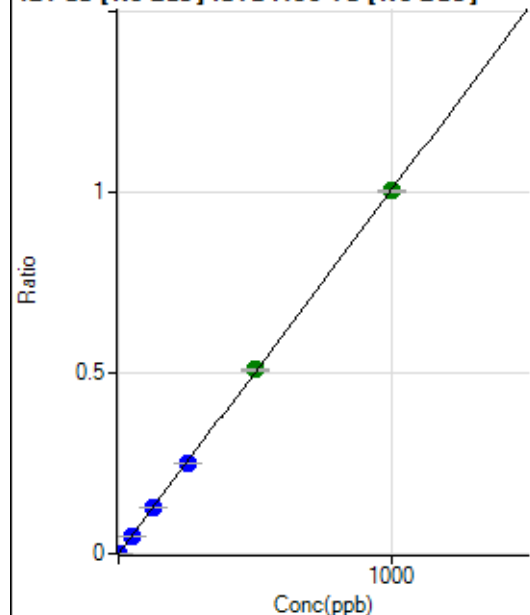
$$R = 1.0000$$

$$DL = 0.04556$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	58.34	0.0000	P	0.7
2	☐	0.200					
3	☐	2.000	2.006	6799.24	0.0020	P	11.5
4	☐	50.000	49.434	179444.84	0.0497	P	0.9
5	☐	125.000	126.212	476429.28	0.1269	P	2.0
6	☐	250.000	247.358	952871.43	0.2487	P	0.5
7	☐	500.000	505.312	1981587.48	0.5080	A	0.6
8	☐	1000.000	997.881	4057283.90	1.0031	A	0.6
9	☐			4787.18	0.0013	P	3.7

$$y = 0.0010 * x + 1.6513E-005$$

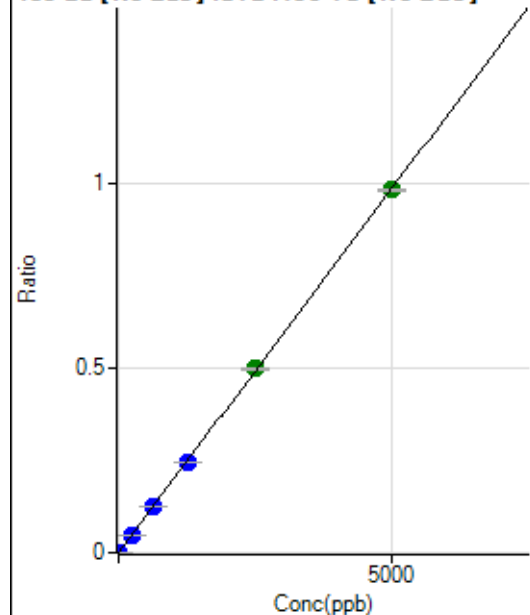
$$R = 1.0000$$

$$DL = 0.000341$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	33.33	0.0000	P	25.0
2	☐	1.000					
3	☐	10.000	10.485	6954.95	0.0021	P	7.3
4	☐	250.000	248.434	176641.76	0.0489	P	1.2
5	☐	625.000	631.379	466898.51	0.1243	P	1.7
6	☐	1250.000	1242.060	937327.83	0.2446	P	0.9
7	☐	2500.000	2525.660	1939940.37	0.4974	A	1.7
8	☐	5000.000	4988.435	3973431.25	0.9823	A	0.8
9	☐			483.37	0.0001	P	10.5

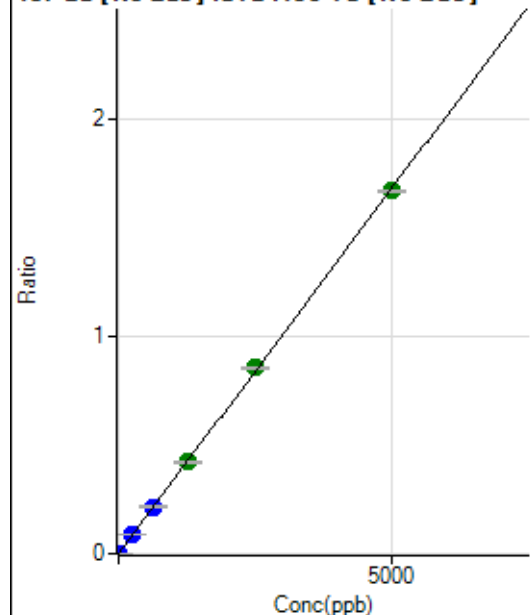
$$y = 1.9692E-004 * x + 9.4370E-006$$

$$R = 1.0000$$

$$DL = 0.03601$$

Weight: <None>

Min Conc: 0

¹³⁷Ba [No Gas] ISTD : ¹⁵⁹Tb [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	44.45	0.0000	P	39.2
2	☐	1.000					
3	☐	10.000	10.264	11588.82	0.0035	P	8.6
4	☐	250.000	253.390	307317.57	0.0851	P	2.2
5	☐	625.000	642.055	809966.24	0.2157	P	2.0
6	☐	1250.000	1254.046	1614577.20	0.4213	A	2.6
7	☐	2500.000	2550.101	3341620.95	0.8567	A	1.5
8	☐	5000.000	4971.636	6755774.89	1.6702	A	0.5
9	☐			880.63	0.0002	P	9.5

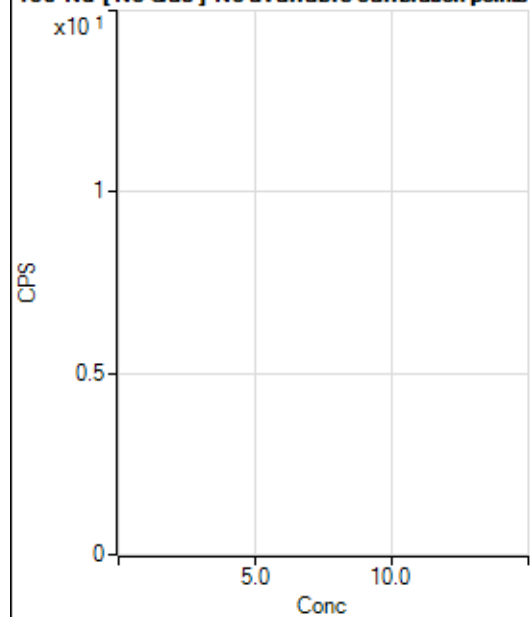
$$y = 3.3595E-004 * x + 1.2591E-005$$

$$R = 0.9999$$

$$DL = 0.04405$$

Weight: <None>

Min Conc: 0

¹⁵⁰Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			6.67		P	100.0
2	☐						
3	☐			11.11		P	91.7
4	☐			22.22		P	62.4
5	☐			37.78		P	20.4
6	☐			33.33		P	52.9
7	☐			117.78		P	11.8
8	☐			228.90		P	4.4
9	☐			73.34		P	31.5

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			1.11		P	173.2
5	☐			2.22		P	86.6
6	☐			1.11		P	173.2
7	☐			6.67		P	50.0
8	☐			12.22		P	41.7
9	☐			12.22		P	41.7

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	100.0
2	☐						
3	☐			25.00		P	33.3
4	☐			13.89		P	34.7
5	☐			16.67		P	50.0
6	☐			25.00		P	57.7
7	☐			30.56		P	41.7
8	☐			47.23		P	20.4
9	☐			63.89		P	45.8

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			1.11		P	173.2
4	☐			2.22		P	86.6
5	☐			1.11		P	173.2
6	☐			0.00		P	
7	☐			2.22		P	86.6
8	☐			5.56		P	91.6
9	☐			4.44		P	114.6

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			44.45		P	28.7
2	☐						
3	☐			22.22		P	78.1
4	☐			41.67		P	69.3
5	☐			50.00		P	33.3
6	☐			55.56		P	52.7
7	☐			44.45		P	21.6
8	☐			69.45		P	25.0
9	☐			61.11		P	20.8

160 Gd [He] No available calibration points

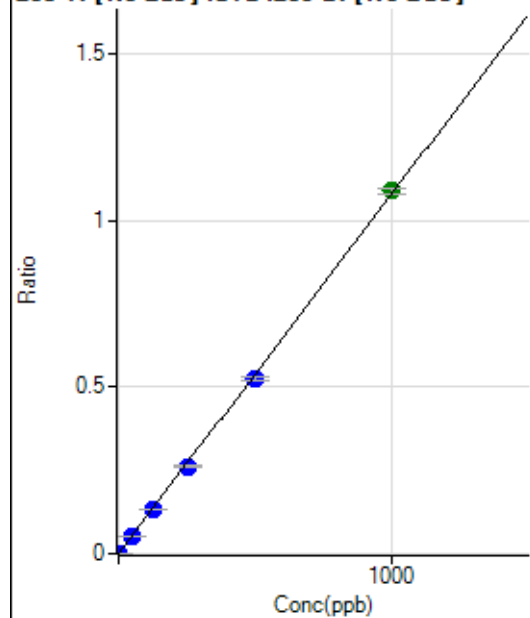
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.66		P	86.6
2	☐						
3	☐			3.33		P	100.1
4	☐			6.67		P	86.6
5	☐			10.00		P	66.7
6	☐			10.00		P	33.3
7	☐			12.22		P	31.5
8	☐			11.11		P	17.3
9	☐			20.00		P	60.1

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.11		P	87.4
2	☐						
3	☐			19.44		P	65.5
4	☐			13.89		P	34.7
5	☐			22.22		P	57.3
6	☐			19.44		P	65.5
7	☐			30.56		P	56.8
8	☐			41.67		P	52.9
9	☐			33.34		P	66.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐						
3	☐			4.44		P	43.4
4	☐			5.56		P	91.6
5	☐			2.22		P	173.2
6	☐			8.89		P	114.5
7	☐			6.67		P	50.0
8	☐			8.89		P	57.3
9	☐			6.67		P	100.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	47.23	0.0000	P	40.3
2	☐	0.100					
3	☐	1.000	0.914	1847.45	0.0010	P	6.5
4	☐	50.000	48.155	102358.48	0.0520	P	0.5
5	☐	125.000	124.434	274273.37	0.1343	P	1.9
6	☐	250.000	243.124	558296.01	0.2624	P	0.8
7	☐	500.000	485.655	1134898.50	0.5241	P	2.5
8	☐	1000.000	1009.055	2368600.66	1.0888	A	1.4
9	☐			255.58	0.0001	P	17.5

$$y = 0.0011 * x + 2.4876E-005$$

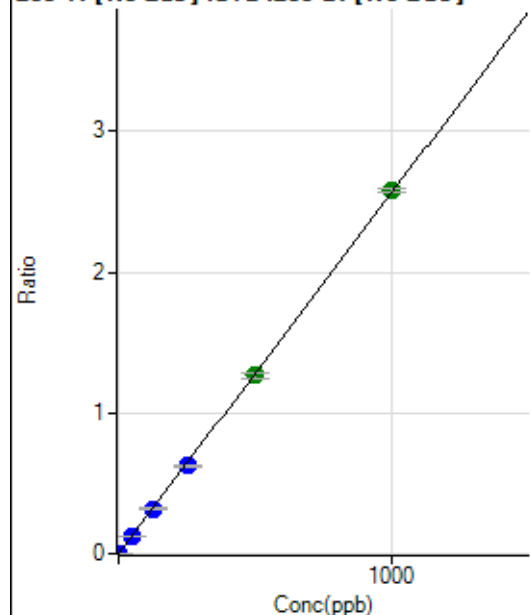
$$R = 0.9998$$

$$DL = 0.0279$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50.00	0.0000	P	16.9
2	☐	0.100					
3	☐	1.000	0.958	4534.35	0.0025	P	2.7
4	☐	50.000	48.214	243487.30	0.1237	P	0.8
5	☐	125.000	125.037	654953.18	0.3207	P	1.4
6	☐	250.000	242.638	1324172.56	0.6223	P	1.2
7	☐	500.000	493.295	2739793.73	1.2651	A	2.5
8	☐	1000.000	1005.278	5608176.43	2.5780	A	1.1
9	☐			411.14	0.0002	P	8.4

$$y = 0.0026 * x + 2.6394E-005$$

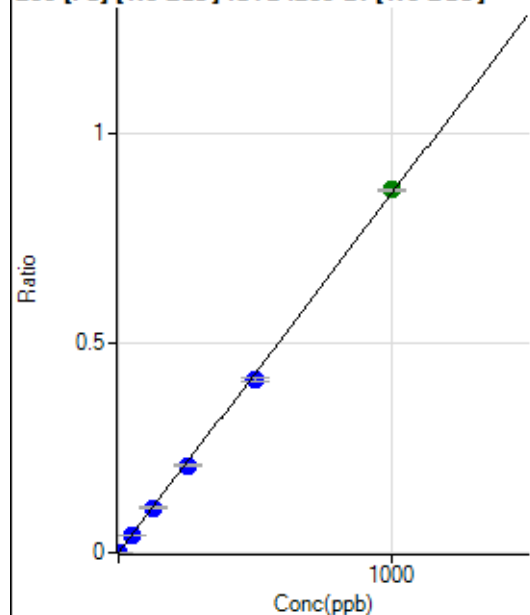
$$R = 0.9999$$

$$DL = 0.005231$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	311.12	0.0002	P	4.1
2	☐	0.100					
3	☐	1.000	0.913	1724.24	0.0009	P	7.2
4	☐	50.000	48.565	82021.40	0.0417	P	1.3
5	☐	125.000	125.341	219073.75	0.1073	P	1.3
6	☐	250.000	242.663	441568.17	0.2075	P	2.4
7	☐	500.000	481.919	892073.49	0.4119	P	2.5
8	☐	1000.000	1010.904	1879370.24	0.8639	A	0.8
9	☐			3445.03	0.0018	P	4.4

$$y = 8.5443E-004 * x + 1.6413E-004$$

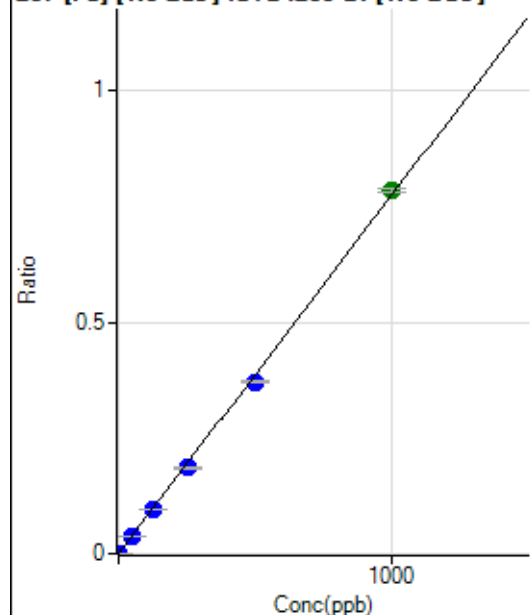
$$R = 0.9997$$

$$DL = 0.02339$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	259.27	0.0001	P	15.7
2	☐	0.100					
3	☐	1.000	0.854	1453.83	0.0008	P	7.5
4	☐	50.000	47.656	72877.13	0.0370	P	1.2
5	☐	125.000	123.597	195644.72	0.0958	P	1.9
6	☐	250.000	240.531	396374.37	0.1863	P	1.9
7	☐	500.000	479.959	804795.84	0.3716	P	1.9
8	☐	1000.000	1012.680	1705068.46	0.7838	A	1.2
9	☐			3117.15	0.0016	P	3.5

$$y = 7.7385E-004 * x + 1.3670E-004$$

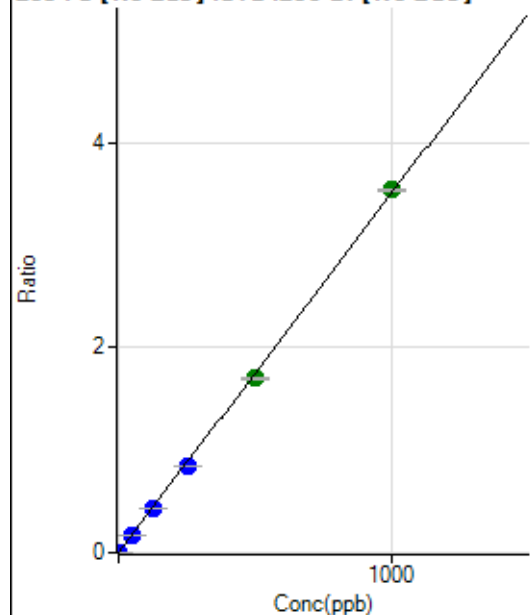
$$R = 0.9997$$

$$DL = 0.083$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1161.17	0.0006	P	10.1
2	☐	0.100					
3	☐	1.000	0.936	7099.18	0.0039	P	6.2
4	☐	50.000	47.570	329216.77	0.1672	P	1.2
5	☐	125.000	123.105	881891.98	0.4318	P	1.1
6	☐	250.000	240.524	1793890.38	0.8430	P	1.5
7	☐	500.000	485.681	3686073.98	1.7016	A	1.3
8	☐	1000.000	1009.887	7695570.13	3.5375	A	0.6
9	☐			13823.75	0.0071	P	1.7

$$y = 0.0035 * x + 6.1263E-004$$

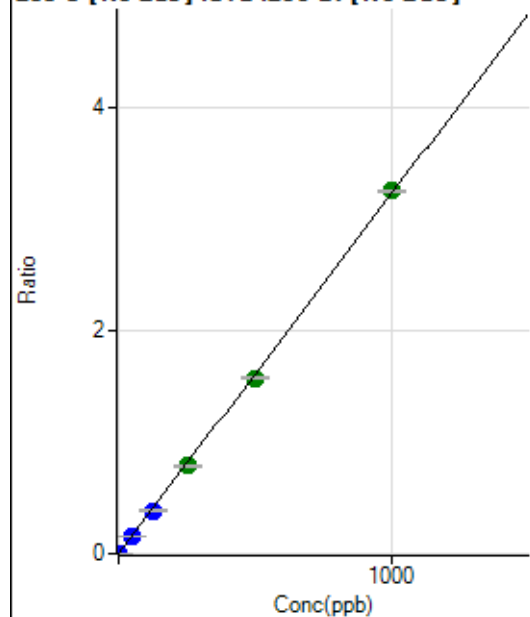
$$R = 0.9998$$

$$DL = 0.05301$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	47.22	0.0000	P	10.8
2	☐	0.100					
3	☐	1.000	0.964	5718.27	0.0031	P	3.3
4	☐	50.000	46.243	293302.88	0.1490	P	1.2
5	☐	125.000	119.622	786998.70	0.3853	P	1.2
6	☐	250.000	244.310	1674666.13	0.7869	A	1.0
7	☐	500.000	487.939	3404689.51	1.5717	A	1.0
8	☐	1000.000	1008.313	7065431.15	3.2478	A	0.7
9	☐			213.90	0.0001	P	21.2

$$y = 0.0032 * x + 2.4927E-005$$

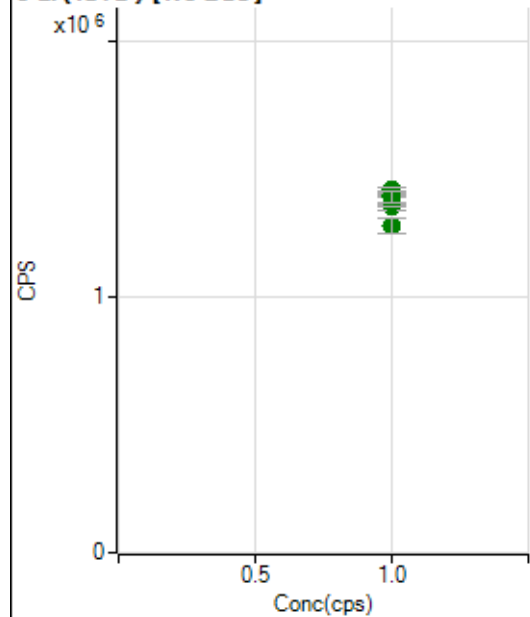
$$R = 0.9999$$

$$DL = 0.002497$$

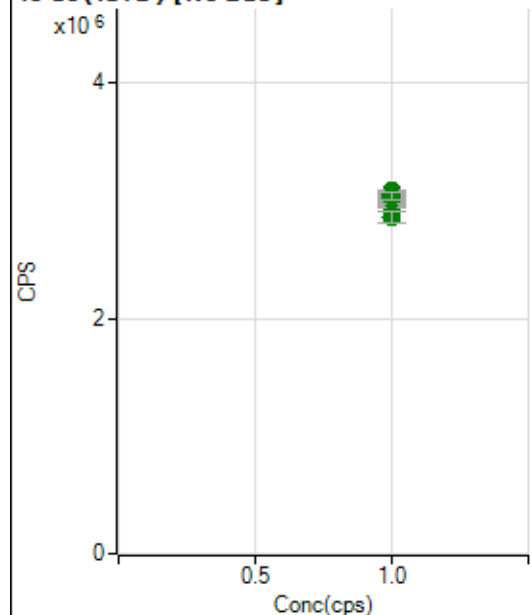
Weight: <None>

Min Conc: 0

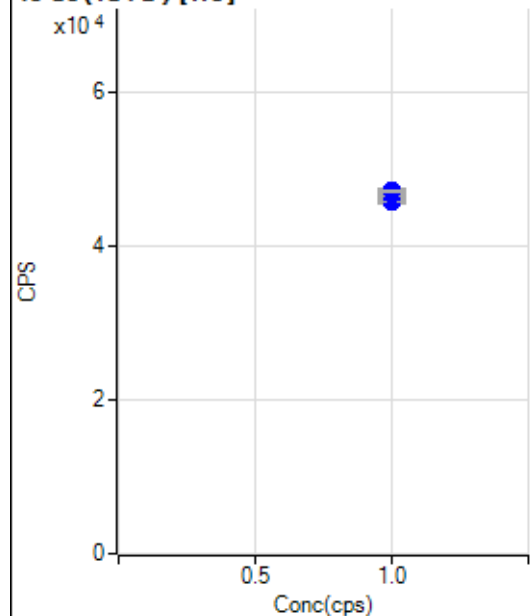
6 Li (ISTD) [No Gas]



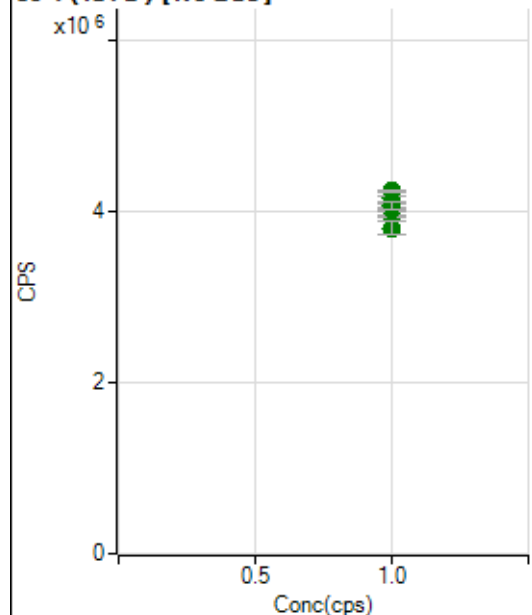
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1348518.66		A	1.4
2	☐	1.000					
3	☐	1.000		1275697.06		A	5.1
4	☐	1.000		1369280.51		A	2.3
5	☐	1.000		1402075.58		A	1.3
6	☐	1.000		1413345.08		A	1.3
7	☐	1.000		1396884.42		A	1.5
8	☐	1.000		1416202.36		A	1.0
9	☐	1.000		1388546.76		A	3.1

45 Sc (ISTD) [No Gas]

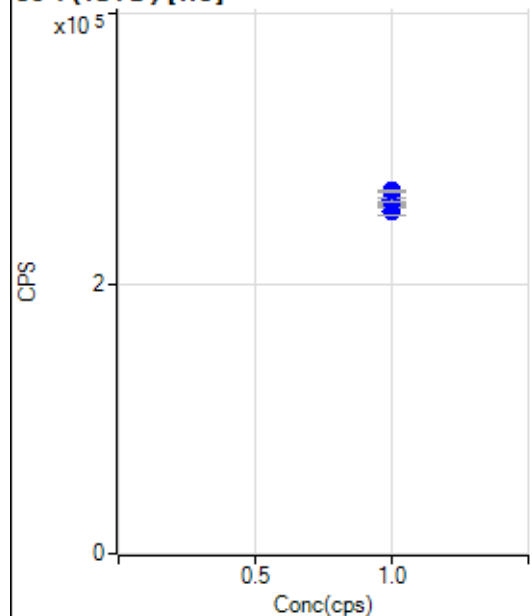
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2952299.22		A	0.6
2	☐	1.000					
3	☐	1.000		2868284.98		A	3.4
4	☐	1.000		3046028.30		A	1.2
5	☐	1.000		3054228.65		A	0.9
6	☐	1.000		3012442.54		A	1.1
7	☐	1.000		3032545.44		A	3.3
8	☐	1.000		3085836.29		A	0.6
9	☐	1.000		3042255.49		A	2.7

45 Sc (ISTD) [He]

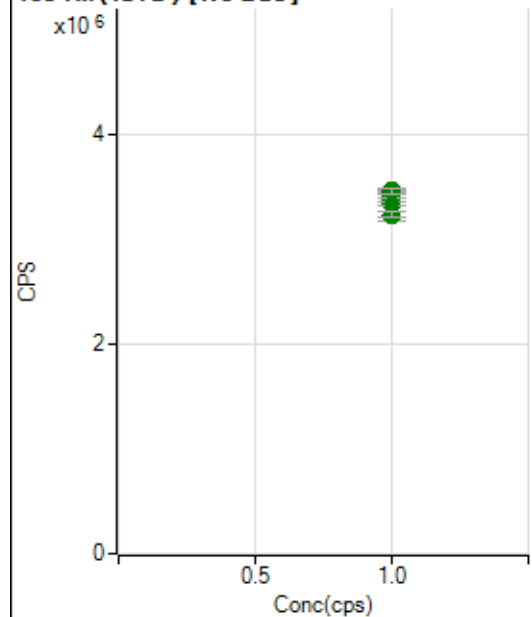
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		46964.02		P	2.7
2	☐	1.000					
3	☐	1.000		46436.56		P	3.2
4	☐	1.000		45953.09		P	1.2
5	☐	1.000		45775.57		P	0.7
6	☐	1.000		45724.30		P	1.2
7	☐	1.000		45766.74		P	0.2
8	☐	1.000		46632.80		P	0.7
9	☐	1.000		47148.97		P	0.6

89 Y (ISTD) [No Gas]

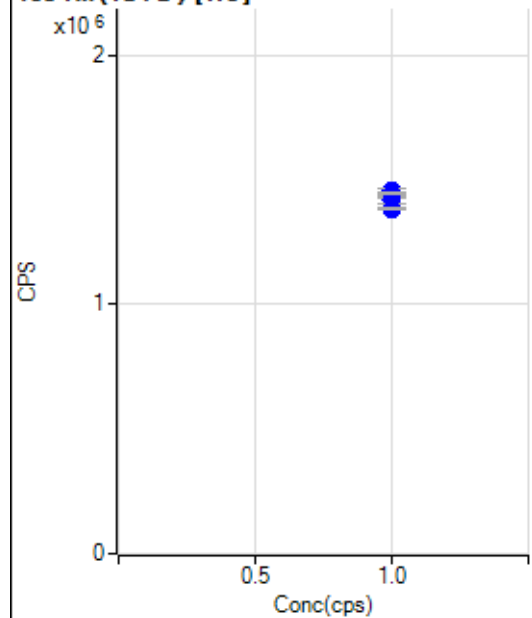
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3942930.29		A	0.5
2	☐	1.000					
3	☐	1.000		3803289.53		A	4.2
4	☐	1.000		4017430.57		A	1.3
5	☐	1.000		4056191.30		A	1.8
6	☐	1.000		4075730.39		A	1.6
7	☐	1.000		4150672.65		A	1.7
8	☐	1.000		4236801.71		A	0.4
9	☐	1.000		4059467.40		A	2.4

89 Y (ISTD) [He]

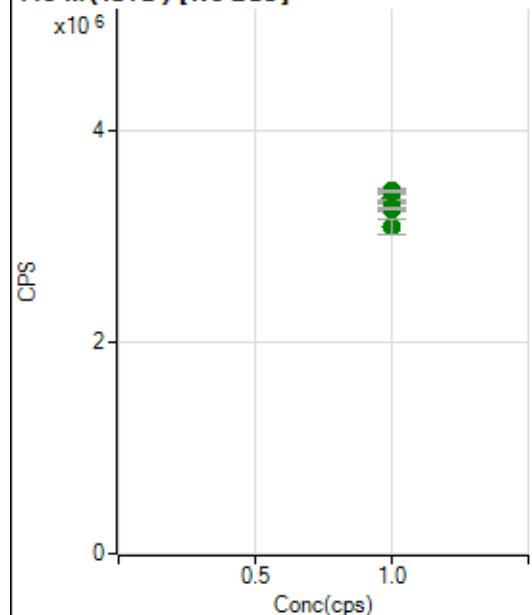
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		259943.88		P	2.1
2	☐	1.000					
3	☐	1.000		253435.81		P	2.6
4	☐	1.000		257127.43		P	1.1
5	☐	1.000		259497.65		P	0.6
6	☐	1.000		257476.64		P	0.5
7	☐	1.000		260393.99		P	0.5
8	☐	1.000		261843.86		P	0.9
9	☐	1.000		268565.90		P	0.2

103 Rh (ISTD) [No Gas]

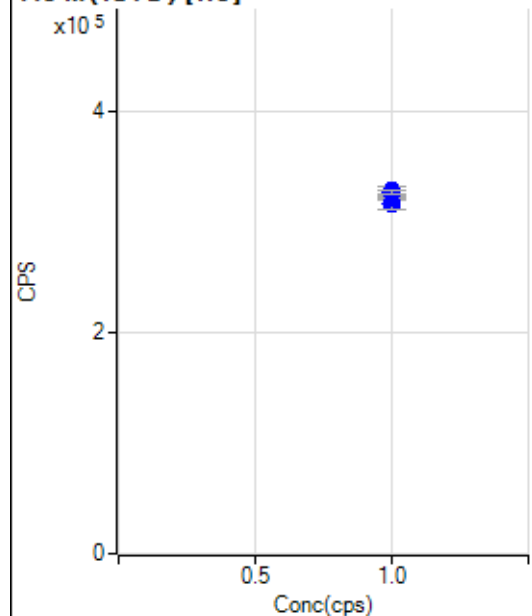
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3340714.10		A	1.1
2	☐	1.000					
3	☐	1.000		3223726.63		A	3.3
4	☐	1.000		3380329.50		A	1.0
5	☐	1.000		3462023.77		A	0.4
6	☐	1.000		3422286.45		A	1.0
7	☐	1.000		3445037.58		A	2.7
8	☐	1.000		3464366.70		A	1.6
9	☐	1.000		3236016.78		A	1.5

103 Rh (ISTD) [He]

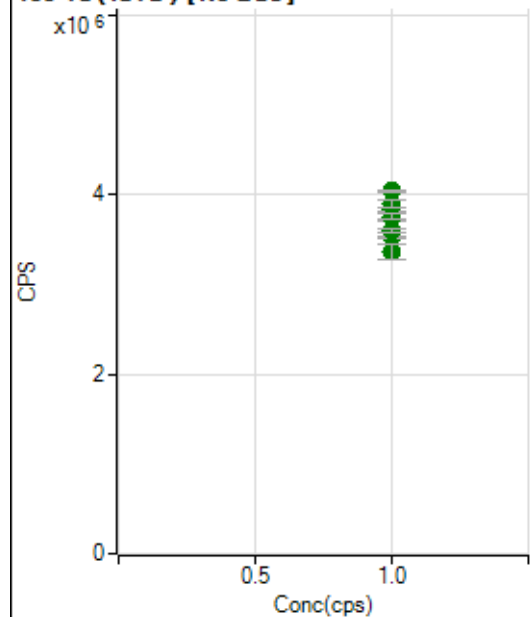
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1454997.46		P	1.8
2	☐	1.000					
3	☐	1.000		1419206.61		P	2.7
4	☐	1.000		1430685.38		P	0.4
5	☐	1.000		1442959.25		P	0.4
6	☐	1.000		1443658.75		P	0.4
7	☐	1.000		1436073.50		P	0.3
8	☐	1.000		1443940.47		P	0.6
9	☐	1.000		1381511.87		P	0.4

115 In (ISTD) [No Gas]

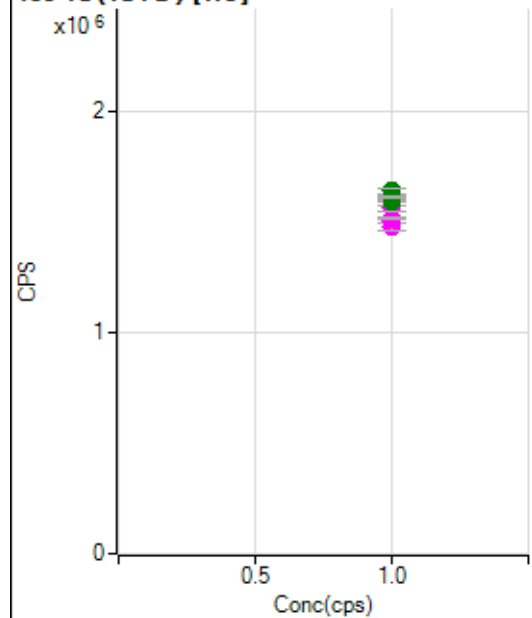
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3267065.90		A	1.0
2	☐	1.000					
3	☐	1.000		3089567.79		A	4.8
4	☐	1.000		3272099.33		A	2.2
5	☐	1.000		3342847.42		A	0.6
6	☐	1.000		3372582.50		A	1.6
7	☐	1.000		3425600.21		A	1.7
8	☐	1.000		3434894.53		A	0.6
9	☐	1.000		3267876.50		A	0.5

115 In (ISTD) [He]

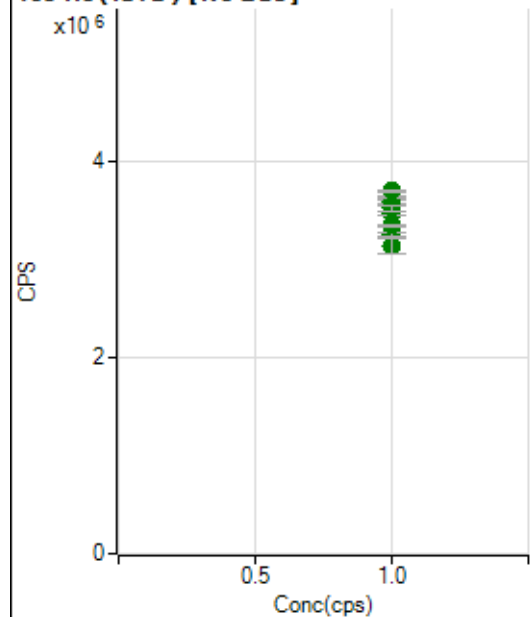
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		328633.88		P	2.1
2	☐	1.000					
3	☐	1.000		317500.12		P	3.1
4	☐	1.000		323303.09		P	0.9
5	☐	1.000		323891.19		P	0.6
6	☐	1.000		323670.53		P	0.9
7	☐	1.000		321877.40		P	0.6
8	☐	1.000		323056.05		P	0.8
9	☐	1.000		326929.43		P	1.2

159 Tb (ISTD) [No Gas]

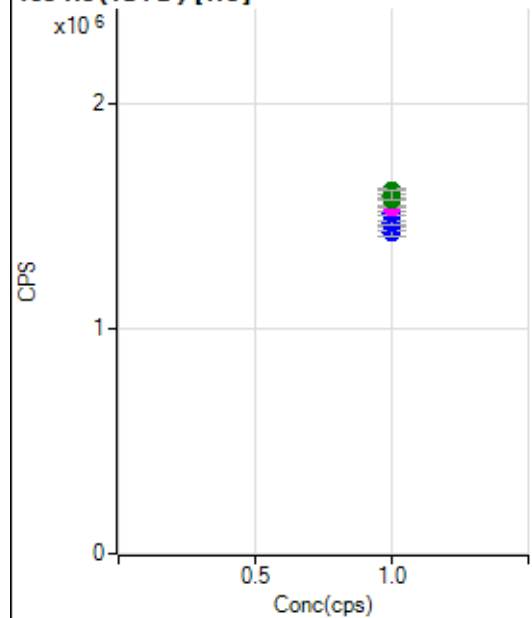
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3533120.36		A	0.7
2	☐	1.000					
3	☐	1.000		3358227.03		A	5.1
4	☐	1.000		3610212.34		A	1.2
5	☐	1.000		3755721.26		A	1.9
6	☐	1.000		3831914.60		A	1.0
7	☐	1.000		3901368.55		A	2.3
8	☐	1.000		4044810.60		A	0.3
9	☐	1.000		3758912.03		A	1.9

159 Tb (ISTD) [He]

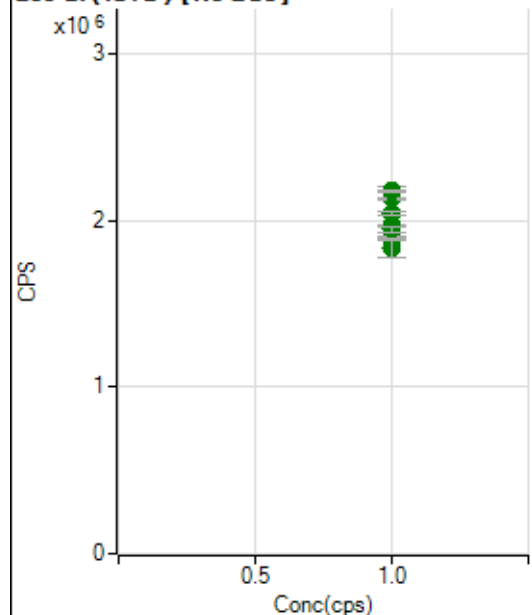
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1505808.90		M	1.2
2	☐	1.000					
3	☐	1.000		1478916.63		M	2.2
4	☐	1.000		1514744.25		M	0.4
5	☐	1.000		1561425.81		M	1.8
6	☐	1.000		1594804.39		A	0.6
7	☐	1.000		1611010.03		A	0.9
8	☐	1.000		1640124.04		A	1.4
9	☐	1.000		1612436.96		A	0.6

165 Ho (ISTD) [No Gas]

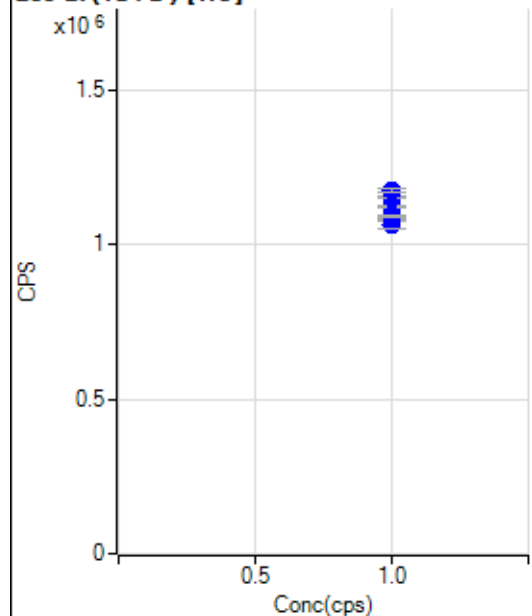
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3249587.07		A	1.2
2	☐	1.000					
3	☐	1.000		3131149.90		A	5.0
4	☐	1.000		3341017.13		A	1.1
5	☐	1.000		3462443.35		A	1.1
6	☐	1.000		3581339.23		A	1.4
7	☐	1.000		3629002.86		A	0.7
8	☐	1.000		3696466.23		A	0.4
9	☐	1.000		3517859.41		A	1.8

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1464333.38		P	2.2
2	☐	1.000					
3	☐	1.000		1424594.02		P	2.0
4	☐	1.000		1466946.92		P	0.9
5	☐	1.000		1513121.97		P	0.8
6	☐	1.000		1540809.69		M	0.6
7	☐	1.000		1575867.46		A	0.6
8	☐	1.000		1611818.07		A	1.3
9	☐	1.000		1591152.16		A	2.8

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1895270.20		A	0.7
2	☐	1.000					
3	☐	1.000		1828169.57		A	5.4
4	☐	1.000		1968962.78		A	0.8
5	☐	1.000		2042550.82		A	1.0
6	☐	1.000		2128033.49		A	0.8
7	☐	1.000		2166786.30		A	3.4
8	☐	1.000		2175446.50		A	0.4
9	☐	1.000		1945626.36		A	1.8

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1081971.98		P	1.9
2	☐	1.000					
3	☐	1.000		1061502.36		P	2.1
4	☐	1.000		1081817.49		P	0.1
5	☐	1.000		1119378.21		P	0.6
6	☐	1.000		1152825.94		P	0.5
7	☐	1.000		1149651.91		P	0.3
8	☐	1.000		1172012.97		P	1.0
9	☐	1.000		1091476.33		P	0.5

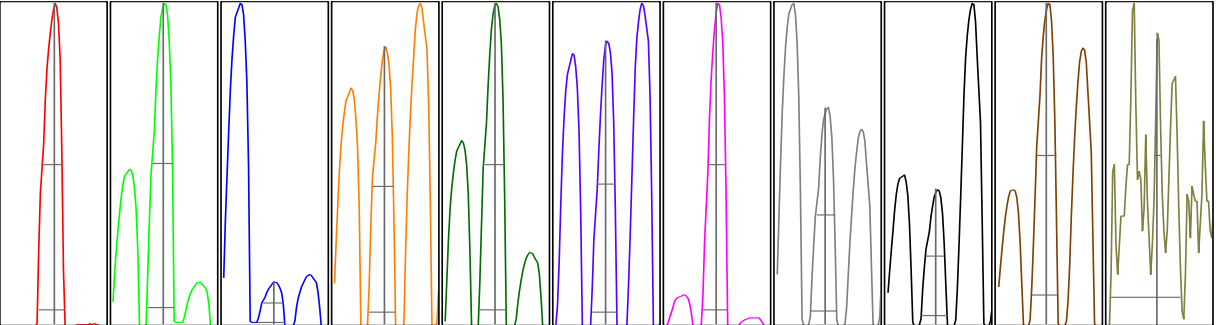
US EPA Tune Check Sample Report

Batch Folder D:\P8040119I CPMS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	6442	0.68	5.00	
24	88809	0.94	5.00	
25	12119	0.71	5.00	
26	13812	0.49	5.00	
59	34792	0.71	5.00	
113	3553	1.20	5.00	
115	41870	1.25	5.00	
206	7132	1.19	5.00	
207	6614	0.87	5.00	
208	15489	0.87	5.00	
220	2	15.79		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	6393	6398	6455	6476	6485
24	88294	88465	87923	89468	89893
25	12004	12071	12126	12230	12163
26	13770	13777	13756	13921	13834
59	34533	34510	34979	34981	34957
113	3495	3522	3570	3583	3596
115	41220	41499	41953	42134	42543
206	7012	7105	7158	7142	7245
207	6564	6543	6632	6651	6678
208	15314	15396	15510	15574	15648
220	2	2	2	3	2

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	11770	9.05	8.9 - 9.1		0.776	0.900	
24	156983	24.00	23.9 - 24.1		0.779	0.900	
25	21295	25.00	24.9 - 25.1		0.788	0.900	
26	24981	26.00	25.9 - 26.1		0.776	0.900	
59	62570	59.00	58.9 - 59.1		0.776	0.900	
113	7006	113.00	112.9 - 113.1		0.726	0.900	
115	82972	115.00	114.9 - 115.1		0.719	0.900	
206	13736	205.95	205.9 - 206.1		0.735	0.900	
207	12436	206.95	206.9 - 207.1		0.733	0.900	
208	29461	207.95	207.9 - 208.1		0.746	0.900	
220	3	219.95	-		2.007		

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

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.5	V	Deflect	15.0	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-115	V	Cell Exit	-50	V			

Cell Parameters

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

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	6239	1.05	
89	7609	1.83	
205	6476	1.31	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	6327	6169	6272	6245	6181
89	7799	7413	7648	7618	7565
205	6588	6402	6536	6459	6394

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.5	V	Deflect	2.6	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-115	V	Cell Exit	-60	V			

Cell Parameters

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

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S0 Instrumnet Name : P8
 Client Sample ID : S0 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:31:14 DataFile Name : 003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.35	-0.13	0.49	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.03	0.05	-0.02	0.00	N/A	ppb
Barium	135-1	-0.01	0.00	0.01	0.00	N/A	ppb
Barium	137-1	-0.02	0.00	0.01	0.00	N/A	ppb
Beryllium	9-1	0.00	0.02	-0.02	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.13	-0.16	0.03	0.00	N/A	ppb
Boron	11-1	0.18	-0.02	-0.16	0.00	N/A	ppb
Cadmium	111-1	-0.11	0.07	0.04	0.00	N/A	ppb
Cadmium	106-1	-1.42	0.91	0.50	0.00	N/A	ppb
Cadmium	108-1	0.00	0.07	-0.07	0.00	N/A	ppb
Calcium	43-1	-1.03	4.07	-3.05	0.00	N/A	ppb
Calcium	44-1	-1.63	1.28	0.35	0.00	N/A	ppb
Chromium	52-2	-0.03	0.05	-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	0.02	-0.01	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.25	-0.17	-0.08	0.00	N/A	ppb
Iron	57-2	0.99	-0.56	-0.43	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.01	-0.01	0.00	N/A	ppb
Lead	207-1	-0.01	0.03	-0.02	0.00	N/A	ppb
Lead	208-1	-0.02	0.01	0.01	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	2.06	-0.58	-1.48	0.00	N/A	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:31:14	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.07	-0.06	-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	0.01	-0.01	0.00	N/A	ppb
Molybdenum	96-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	-0.03	0.02	0.01	0.00	N/A	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.04	0.04	0.00	N/A	ppb
Phosphorus	31-2	-50.22	-18.66	-18.10	-29.00		ppb
Potassium	39-2	7.50	-11.80	4.31	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	1.36	1.06	-2.41	0.00	N/A	ppb
Selenium	78-2	1.00	-0.79	-0.21	0.00	N/A	ppb
Selenium	82-1	0.89	-1.07	0.18	0.00	N/A	ppb
Silicon	28-1	-21.12	41.42	-20.30	0.00	N/A	ppb
Silver	109-1	0.01	0.00	0.00	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-4.30	2.06	2.23	0.00	N/A	ppb
Strontium	86-1	-0.05	0.10	-0.04	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-1554.24	-1421.92	-1276.26	-1417.47		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.01	0.01	-0.01	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.02	0.01	0.01	0.00	N/A	ppb
Titanium	47-1	-0.07	0.02	0.05	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.01	-0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.06	-0.09	0.14	0.00	N/A	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:31:14	DataFile Name :	003CALB.d

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

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:39:03	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15.77	20.53	21.29	19.20	15.58	ppb
Antimony	121-1	1.89	1.85	2.27	2.01	11.64	ppb
Arsenic	75-2	0.89	0.93	0.85	0.89	4.54	ppb
Barium	135-1	9.62	10.72	11.11	10.48	7.38	ppb
Barium	137-1	9.86	9.65	11.28	10.26	8.64	ppb
Beryllium	9-1	0.90	0.96	1.16	1.00	13.49	ppb
Bismuth	209-1				96		%
Bismuth	209-2				98		%
Boron	10-1	23.21	25.21	26.59	25.00	6.80	ppb
Boron	11-1	22.56	23.69	26.18	24.15	7.67	ppb
Cadmium	111-1	1.08	1.09	1.19	1.12	5.44	ppb
Cadmium	106-1	2.25	1.40	1.92	1.85	23.14	ppb
Cadmium	108-1	1.38	1.36	1.03	1.25	15.60	ppb
Calcium	43-1	458.52	446.44	490.01	464.99	4.84	ppb
Calcium	44-1	460.01	458.59	504.94	474.51	5.56	ppb
Chromium	52-2	2.02	2.14	2.34	2.17	7.45	ppb
Cobalt	59-2	0.89	1.03	0.88	0.93	8.77	ppb
Copper	63-2	1.97	1.91	1.97	1.95	1.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				97		%
Indium	115-1				95		%
Indium	115-2				97		%
Iron	56-2	48.55	49.80	51.59	49.98	3.06	ppb
Iron	57-2	49.07	54.30	53.18	52.18	5.28	ppb
Krypton	83-1						cps
Lead	206-1	0.82	0.95	0.96	0.91	8.70	ppb
Lead	207-1	0.83	0.79	0.94	0.85	9.03	ppb
Lead	208-1	0.89	0.90	1.02	0.94	7.40	ppb
Lithium	6-1				95		%
Magnesium	24-2	487.07	491.72	523.51	500.76	3.96	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:39:03	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.84	1.15	1.27	1.09	20.73	ppb
Molybdenum	94-1	4.46	4.29	5.07	4.61	8.87	ppb
Molybdenum	95-1	4.60	4.38	5.09	4.69	7.79	ppb
Molybdenum	96-1	4.75	4.76	5.10	4.87	4.17	ppb
Molybdenum	97-1	4.79	4.55	5.04	4.79	5.08	ppb
Molybdenum	98-1	4.81	4.66	5.11	4.86	4.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.15	1.04	1.08	6.06	ppb
Phosphorus	31-2	2.66	123.28	-38.95	29.00	290.62	ppb
Potassium	39-2	460.85	469.54	495.50	475.29	3.79	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	77-2	4.83	-6.04	1.59	0.13	4412.14	ppb
Selenium	78-2	3.89	7.02	4.14	5.02	34.68	ppb
Selenium	82-1	6.18	4.43	6.71	5.77	20.64	ppb
Silicon	28-1	25.24	-3.10	328.93	117.03	157.28	ppb
Silver	109-1	1.16	1.11	1.25	1.17	6.01	ppb
Silver	107-1	1.25	1.15	1.17	1.19	4.30	ppb
Sodium	23-2	464.82	483.22	505.88	484.64	4.24	ppb
Strontium	86-1	1.14	0.74	1.04	0.97	21.66	ppb
Strontium	88-1	0.87	0.84	0.93	0.88	5.50	ppb
Sulfur	34-1	544.24	5.72	3702.45	1417.47	140.89	ppb
Terbium	159-1				95		%
Terbium	159-2				98		%
Thallium	203-1	0.85	0.97	0.92	0.91	6.69	ppb
Thallium	205-1	0.93	0.96	0.98	0.96	2.68	ppb
Tin	118-1	4.85	5.29	5.49	5.21	6.21	ppb
Titanium	47-1	5.25	5.31	5.39	5.31	1.29	ppb
Uranium	238-1	0.94	0.95	1.00	0.96	3.29	ppb
Vanadium	51-2	4.85	4.73	5.36	4.98	6.79	ppb
Yttrium	89-1				96		%
Yttrium	89-2				97		%
Zinc	66-2	2.11	1.80	1.83	1.91	8.95	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:39:03	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.90	0.88	0.95	0.91	3.95	ppb
Zirconium	91-1	0.93	0.97	0.90	0.93	4.08	ppb

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:42:57 DataFile Name : 006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	972.60	958.16	995.29	975.35	1.92	ppb
Antimony	121-1	49.19	49.94	49.18	49.43	0.88	ppb
Arsenic	75-2	50.67	50.48	49.07	50.08	1.75	ppb
Barium	135-1	245.10	251.10	249.09	248.43	1.23	ppb
Barium	137-1	250.34	259.93	249.90	253.39	2.24	ppb
Beryllium	9-1	48.63	50.39	50.24	49.75	1.96	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Boron	10-1	49.44	50.99	48.87	49.77	2.20	ppb
Boron	11-1	47.68	49.95	51.44	49.69	3.81	ppb
Cadmium	111-1	51.37	51.57	52.08	51.67	0.71	ppb
Cadmium	106-1	48.64	50.30	51.07	50.00	2.48	ppb
Cadmium	108-1	52.98	52.63	50.26	51.95	2.85	ppb
Calcium	43-1	4764.32	4806.51	4666.12	4745.65	1.52	ppb
Calcium	44-1	4771.55	4831.30	4757.27	4786.70	0.82	ppb
Chromium	52-2	52.45	50.33	51.85	51.54	2.11	ppb
Cobalt	59-2	51.82	50.71	51.27	51.27	1.08	ppb
Copper	63-2	105.28	102.28	102.79	103.45	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				103		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	2604.13	2530.22	2575.81	2570.05	1.45	ppb
Iron	57-2	2575.02	2502.36	2506.58	2527.98	1.61	ppb
Krypton	83-1						cps
Lead	206-1	48.77	49.10	47.83	48.57	1.35	ppb
Lead	207-1	47.86	48.09	47.01	47.66	1.20	ppb
Lead	208-1	47.60	48.12	46.99	47.57	1.19	ppb
Lithium	6-1				102		%
Magnesium	24-2	5364.10	5230.34	5184.12	5259.52	1.78	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:42:57	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	105.73	104.53	103.77	104.68	0.95	ppb
Molybdenum	94-1	241.19	249.50	242.62	244.44	1.82	ppb
Molybdenum	95-1	241.68	247.68	245.08	244.81	1.23	ppb
Molybdenum	96-1	244.51	248.44	242.15	245.03	1.30	ppb
Molybdenum	97-1	240.41	249.53	245.57	245.17	1.87	ppb
Molybdenum	98-1	239.44	249.87	244.15	244.49	2.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	52.30	52.89	50.69	51.96	2.19	ppb
Phosphorus	31-2	931.23	1066.88	953.35	983.82	7.40	ppb
Potassium	39-2	2489.68	2491.46	2398.52	2459.89	2.16	ppb
Rhodium	103-1				101		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				98		%
Selenium	77-2	68.08	56.25	51.97	58.77	14.19	ppb
Selenium	78-2	48.93	51.33	39.66	46.64	13.22	ppb
Selenium	82-1	49.89	48.77	50.12	49.60	1.45	ppb
Silicon	28-1	-181.54	-76.09	-204.14	-153.92		ppb
Silver	109-1	50.97	53.94	51.64	52.19	2.98	ppb
Silver	107-1	52.08	53.22	52.16	52.49	1.21	ppb
Sodium	23-2	5215.72	5137.19	5160.80	5171.24	0.78	ppb
Strontium	86-1	48.67	49.82	49.46	49.32	1.19	ppb
Strontium	88-1	49.30	51.02	50.73	50.35	1.83	ppb
Sulfur	34-1	-278.38	364.46	-1518.61	-477.51		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	47.90	48.41	48.15	48.16	0.53	ppb
Thallium	205-1	48.34	48.54	47.76	48.21	0.84	ppb
Tin	118-1	50.88	49.84	50.21	50.31	1.05	ppb
Titanium	47-1	243.70	247.65	243.39	244.91	0.97	ppb
Uranium	238-1	46.18	46.82	45.73	46.24	1.19	ppb
Vanadium	51-2	51.24	49.65	49.88	50.26	1.71	ppb
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	103.58	102.41	104.15	103.38	0.86	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:42:57	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	47.60	49.08	48.33	48.34	1.53	ppb
Zirconium	91-1	48.30	48.87	47.42	48.20	1.52	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:46:51	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2422.81	2385.69	2453.96	2420.82	1.41	ppb
Antimony	121-1	128.90	125.80	123.94	126.21	1.98	ppb
Arsenic	75-2	123.96	125.05	125.48	124.83	0.63	ppb
Barium	135-1	643.57	625.23	625.34	631.38	1.67	ppb
Barium	137-1	656.80	631.84	637.53	642.06	2.04	ppb
Beryllium	9-1	123.56	127.69	127.29	126.18	1.80	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Boron	10-1	121.87	126.82	126.75	125.15	2.27	ppb
Boron	11-1	121.54	127.54	125.54	124.87	2.45	ppb
Cadmium	111-1	131.49	129.94	127.29	129.57	1.64	ppb
Cadmium	106-1	132.05	133.97	123.10	129.71	4.47	ppb
Cadmium	108-1	130.75	130.26	128.37	129.79	0.97	ppb
Calcium	43-1	11945.95	12127.61	11957.46	12010.34	0.85	ppb
Calcium	44-1	12293.60	12193.66	12148.69	12211.98	0.61	ppb
Chromium	52-2	127.74	130.06	128.23	128.68	0.95	ppb
Cobalt	59-2	129.32	128.95	132.33	130.20	1.43	ppb
Copper	63-2	258.89	258.56	261.01	259.49	0.51	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				107		%
Holmium	165-2				103		%
Indium	115-1				102		%
Indium	115-2				99		%
Iron	56-2	6343.50	6434.71	6386.89	6388.37	0.71	ppb
Iron	57-2	6275.29	6326.52	6338.65	6313.49	0.53	ppb
Krypton	83-1						cps
Lead	206-1	124.80	124.09	127.13	125.34	1.26	ppb
Lead	207-1	121.36	123.35	126.08	123.60	1.92	ppb
Lead	208-1	121.91	122.89	124.51	123.11	1.07	ppb
Lithium	6-1				104		%
Magnesium	24-2	13054.65	13115.46	13119.43	13096.51	0.28	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:46:51	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	259.80	262.29	260.52	260.87	0.49	ppb
Molybdenum	94-1	640.22	626.11	613.34	626.56	2.15	ppb
Molybdenum	95-1	640.29	627.25	617.35	628.30	1.83	ppb
Molybdenum	96-1	644.33	627.92	621.59	631.28	1.86	ppb
Molybdenum	97-1	647.99	636.62	621.09	635.23	2.13	ppb
Molybdenum	98-1	655.83	639.17	631.85	642.29	1.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	130.66	128.86	131.43	130.31	1.01	ppb
Phosphorus	31-2	2487.02	2508.17	2375.86	2457.01	2.89	ppb
Potassium	39-2	6273.28	6223.00	6175.90	6224.06	0.78	ppb
Rhodium	103-1				104		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				97		%
Selenium	77-2	99.98	131.39	109.88	113.75	14.12	ppb
Selenium	78-2	136.32	134.85	132.14	134.44	1.58	ppb
Selenium	82-1	128.42	125.10	125.29	126.27	1.48	ppb
Silicon	28-1	-34.59	35.29	-12.33	-3.88		ppb
Silver	109-1	131.67	127.04	128.06	128.92	1.89	ppb
Silver	107-1	132.78	129.68	130.00	130.82	1.30	ppb
Sodium	23-2	12940.37	12824.59	13164.22	12976.39	1.33	ppb
Strontium	86-1	128.70	126.35	125.24	126.77	1.40	ppb
Strontium	88-1	128.09	127.92	128.22	128.08	0.12	ppb
Sulfur	34-1	1496.90	2424.41	1586.80	1836.04	27.86	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	124.64	122.03	126.64	124.43	1.86	ppb
Thallium	205-1	125.14	123.29	126.68	125.04	1.36	ppb
Tin	118-1	130.66	125.33	126.81	127.60	2.15	ppb
Titanium	47-1	616.98	626.50	617.84	620.44	0.85	ppb
Uranium	238-1	119.49	118.21	121.16	119.62	1.24	ppb
Vanadium	51-2	124.93	127.53	126.64	126.37	1.05	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	255.76	263.71	260.29	259.92	1.53	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:46:51	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	126.42	125.41	124.52	125.45	0.76	ppb
Zirconium	91-1	128.54	124.16	123.25	125.31	2.26	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:50:41	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4871.66	4778.72	4821.28	4823.89	0.96	ppb
Antimony	121-1	247.98	248.12	245.97	247.36	0.49	ppb
Arsenic	75-2	252.30	250.90	256.25	253.15	1.10	ppb
Barium	135-1	1243.51	1252.44	1230.23	1242.06	0.90	ppb
Barium	137-1	1271.67	1273.91	1216.56	1254.05	2.59	ppb
Beryllium	9-1	248.94	247.10	241.87	245.97	1.49	ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Boron	10-1	243.37	252.38	254.61	250.12	2.38	ppb
Boron	11-1	248.27	244.83	245.80	246.30	0.72	ppb
Cadmium	111-1	253.54	255.97	254.32	254.61	0.49	ppb
Cadmium	106-1	255.32	249.89	253.93	253.05	1.11	ppb
Cadmium	108-1	259.24	258.46	250.75	256.15	1.83	ppb
Calcium	43-1	23882.61	24314.09	23840.06	24012.25	1.09	ppb
Calcium	44-1	23817.09	24090.03	23671.97	23859.70	0.89	ppb
Chromium	52-2	257.87	249.70	256.95	254.84	1.76	ppb
Cobalt	59-2	256.75	253.01	259.06	256.27	1.19	ppb
Copper	63-2	515.24	503.58	516.63	511.82	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				98		%
Iron	56-2	12553.24	12224.82	12579.09	12452.38	1.59	ppb
Iron	57-2	12466.98	12343.71	12665.81	12492.16	1.30	ppb
Krypton	83-1						cps
Lead	206-1	237.01	248.61	242.37	242.66	2.39	ppb
Lead	207-1	235.34	243.92	242.33	240.53	1.90	ppb
Lead	208-1	237.12	244.13	240.32	240.52	1.46	ppb
Lithium	6-1				105		%
Magnesium	24-2	25684.42	25228.99	25755.96	25556.46	1.12	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:50:41	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	520.08	504.91	522.38	515.79	1.84	ppb
Molybdenum	94-1	1245.49	1263.43	1275.39	1261.44	1.19	ppb
Molybdenum	95-1	1230.95	1269.18	1271.18	1257.10	1.80	ppb
Molybdenum	96-1	1253.77	1283.52	1262.90	1266.73	1.20	ppb
Molybdenum	97-1	1240.55	1249.89	1255.56	1248.67	0.61	ppb
Molybdenum	98-1	1244.31	1254.82	1282.24	1260.45	1.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	256.70	256.33	258.57	257.20	0.47	ppb
Phosphorus	31-2	4988.42	4935.79	5333.73	5085.98	4.25	ppb
Potassium	39-2	12328.27	11906.93	12242.99	12159.40	1.83	ppb
Rhodium	103-1				102		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				97		%
Selenium	77-2	290.38	230.68	258.88	259.98	11.49	ppb
Selenium	78-2	267.19	274.15	252.60	264.65	4.16	ppb
Selenium	82-1	247.12	254.98	250.62	250.91	1.57	ppb
Silicon	28-1	189.75	150.28	249.52	196.52	25.43	ppb
Silver	109-1	252.96	252.83	252.17	252.65	0.17	ppb
Silver	107-1	252.58	257.92	255.21	255.24	1.05	ppb
Sodium	23-2	26114.07	25342.59	26114.50	25857.05	1.72	ppb
Strontium	86-1	246.38	251.97	251.38	249.91	1.23	ppb
Strontium	88-1	250.98	250.14	256.06	252.40	1.27	ppb
Sulfur	34-1	4865.84	4259.26	4211.92	4445.67	8.20	ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	241.95	242.05	245.37	243.12	0.80	ppb
Thallium	205-1	239.83	245.47	242.62	242.64	1.16	ppb
Tin	118-1	249.76	247.00	248.41	248.39	0.56	ppb
Titanium	47-1	1224.89	1241.02	1237.20	1234.37	0.68	ppb
Uranium	238-1	242.92	247.16	242.85	244.31	1.01	ppb
Vanadium	51-2	255.66	248.61	252.02	252.09	1.40	ppb
Yttrium	89-1				103		%
Yttrium	89-2				99		%
Zinc	66-2	518.36	505.79	517.18	513.78	1.35	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:50:41	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	247.38	250.50	252.07	249.98	0.95	ppb
Zirconium	91-1	242.77	247.00	246.37	245.38	0.93	ppb

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:54:25 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9322.43	9509.02	9473.77	9435.07	1.05	ppb
Antimony	121-1	507.60	501.65	506.69	505.31	0.63	ppb
Arsenic	75-2	497.26	495.43	494.25	495.65	0.31	ppb
Barium	135-1	2539.60	2478.60	2558.78	2525.66	1.66	ppb
Barium	137-1	2551.97	2511.77	2586.55	2550.10	1.47	ppb
Beryllium	9-1	493.28	495.98	492.89	494.05	0.34	ppb
Bismuth	209-1				114		%
Bismuth	209-2				106		%
Boron	10-1	500.89	509.19	501.12	503.73	0.94	ppb
Boron	11-1	493.03	501.32	501.88	498.74	0.99	ppb
Cadmium	111-1	505.31	500.12	510.86	505.43	1.06	ppb
Cadmium	106-1	495.02	503.49	512.31	503.61	1.72	ppb
Cadmium	108-1	496.90	504.34	500.47	500.57	0.74	ppb
Calcium	43-1	48109.40	47830.84	48277.25	48072.50	0.47	ppb
Calcium	44-1	48157.18	47625.91	47722.81	47835.30	0.59	ppb
Chromium	52-2	500.16	507.57	509.58	505.77	0.98	ppb
Cobalt	59-2	510.34	509.34	510.34	510.01	0.11	ppb
Copper	63-2	1017.86	1021.32	1018.81	1019.33	0.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				108		%
Indium	115-1				105		%
Indium	115-2				98		%
Iron	56-2	24732.01	24860.99	24807.40	24800.13	0.26	ppb
Iron	57-2	25023.08	24805.68	24808.80	24879.19	0.50	ppb
Krypton	83-1						cps
Lead	206-1	484.62	468.91	492.23	481.92	2.47	ppb
Lead	207-1	486.65	469.64	483.59	479.96	1.89	ppb
Lead	208-1	490.68	478.34	488.03	485.68	1.34	ppb
Lithium	6-1				104		%
Magnesium	24-2	51200.07	51589.64	51424.99	51404.90	0.38	ppb

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:54:25 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1019.67	1028.82	1022.25	1023.58	0.46	ppb
Molybdenum	94-1	2515.42	2454.90	2485.24	2485.19	1.22	ppb
Molybdenum	95-1	2514.48	2467.88	2483.71	2488.69	0.95	ppb
Molybdenum	96-1	2478.95	2495.43	2462.09	2478.82	0.67	ppb
Molybdenum	97-1	2496.92	2525.32	2524.03	2515.42	0.64	ppb
Molybdenum	98-1	2503.17	2472.13	2472.67	2482.65	0.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.77	511.44	506.49	508.23	0.55	ppb
Phosphorus	31-2	9560.27	10093.49	10970.20	10207.99	6.97	ppb
Potassium	39-2	23960.81	24156.07	24033.53	24050.14	0.41	ppb
Rhodium	103-1				103		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				97		%
Selenium	77-2	470.92	491.51	510.41	490.95	4.02	ppb
Selenium	78-2	509.52	507.45	508.91	508.63	0.21	ppb
Selenium	82-1	497.13	500.85	497.09	498.36	0.43	ppb
Silicon	28-1	462.69	241.21	631.92	445.27	44.00	ppb
Silver	109-1	505.72	508.27	516.39	510.13	1.09	ppb
Silver	107-1	507.17	504.03	507.90	506.36	0.41	ppb
Sodium	23-2	50001.07	50584.29	50854.16	50479.84	0.86	ppb
Strontium	86-1	501.63	494.52	496.26	497.47	0.75	ppb
Strontium	88-1	500.87	491.54	497.45	496.62	0.95	ppb
Sulfur	34-1	9429.54	7477.38	9676.79	8861.24	13.60	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	488.32	472.49	496.15	485.65	2.48	ppb
Thallium	205-1	501.59	479.42	498.88	493.29	2.45	ppb
Tin	118-1	500.38	498.35	509.56	502.76	1.19	ppb
Titanium	47-1	2480.98	2470.47	2539.66	2497.04	1.49	ppb
Uranium	238-1	487.62	483.28	492.91	487.94	0.99	ppb
Vanadium	51-2	498.98	502.62	501.52	501.04	0.37	ppb
Yttrium	89-1				105		%
Yttrium	89-2				100		%
Zinc	66-2	1015.06	1022.49	1023.49	1020.35	0.45	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:54:25	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	499.62	499.71	495.14	498.16	0.53	ppb
Zirconium	91-1	491.65	484.15	488.79	488.20	0.78	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:58:04	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18449.32	18526.63	18567.31	18514.42	0.32	ppb
Antimony	121-1	1002.09	991.11	1000.44	997.88	0.59	ppb
Arsenic	75-2	989.28	1008.26	1006.69	1001.41	1.05	ppb
Barium	135-1	4997.13	5025.30	4942.88	4988.43	0.84	ppb
Barium	137-1	4995.57	4971.68	4947.66	4971.64	0.48	ppb
Beryllium	9-1	993.44	999.00	1019.11	1003.85	1.35	ppb
Bismuth	209-1				115		%
Bismuth	209-2				108		%
Boron	10-1	966.83	1001.93	1025.53	998.10	2.96	ppb
Boron	11-1	982.06	999.04	1023.73	1001.61	2.09	ppb
Cadmium	111-1	995.11	995.53	995.79	995.48	0.03	ppb
Cadmium	106-1	993.84	979.99	1016.70	996.85	1.86	ppb
Cadmium	108-1	994.62	987.40	1010.42	997.48	1.18	ppb
Calcium	43-1	96499.77	97576.13	98317.84	97464.58	0.94	ppb
Calcium	44-1	95497.71	95861.67	96303.48	95887.62	0.42	ppb
Chromium	52-2	988.04	1005.40	992.66	995.37	0.90	ppb
Cobalt	59-2	989.45	994.74	993.96	992.71	0.29	ppb
Copper	63-2	1958.33	1990.01	2009.72	1986.02	1.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				98		%
Iron	56-2	48314.82	49067.77	48634.58	48672.39	0.78	ppb
Iron	57-2	48188.66	49029.78	48599.42	48605.96	0.87	ppb
Krypton	83-1						cps
Lead	206-1	1003.53	1009.57	1019.62	1010.90	0.80	ppb
Lead	207-1	999.28	1017.83	1020.94	1012.68	1.16	ppb
Lead	208-1	1007.15	1006.17	1016.34	1009.89	0.56	ppb
Lithium	6-1				105		%
Magnesium	24-2	97449.82	98981.81	97691.82	98041.15	0.84	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:58:04	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1954.24	2008.51	1985.25	1982.67	1.37	ppb
Molybdenum	94-1	4914.35	5040.39	5059.16	5004.63	1.57	ppb
Molybdenum	95-1	4981.87	5024.69	5004.63	5003.73	0.43	ppb
Molybdenum	96-1	5002.87	5009.46	5005.28	5005.87	0.07	ppb
Molybdenum	97-1	4952.26	5028.33	4994.17	4991.58	0.76	ppb
Molybdenum	98-1	4960.06	5026.51	5025.95	5004.17	0.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	988.72	1001.48	989.76	993.32	0.71	ppb
Phosphorus	31-2	19479.83	20674.11	19488.14	19880.69	3.46	ppb
Potassium	39-2	47154.22	47419.08	47017.73	47197.01	0.43	ppb
Rhodium	103-1				104		%
Rhodium	103-2				99		%
Scandium	45-1				105		%
Scandium	45-2				99		%
Selenium	77-2	1010.18	965.72	1033.18	1003.02	3.42	ppb
Selenium	78-2	1020.68	966.25	986.10	991.01	2.78	ppb
Selenium	82-1	992.02	1015.45	993.89	1000.45	1.30	ppb
Silicon	28-1	1008.97	1113.61	1075.33	1065.97	4.97	ppb
Silver	109-1	988.96	986.69	1005.37	993.67	1.03	ppb
Silver	107-1	986.48	993.62	1003.87	994.66	0.88	ppb
Sodium	23-2	97270.40	98609.14	97549.88	97809.81	0.72	ppb
Strontium	86-1	997.73	1007.37	998.20	1001.10	0.54	ppb
Strontium	88-1	1000.03	1008.40	993.63	1000.69	0.74	ppb
Sulfur	34-1	15837.42	23930.04	22827.04	20864.83	21.03	ppb
Terbium	159-1				114		%
Terbium	159-2				109		%
Thallium	203-1	993.09	1013.87	1020.21	1009.05	1.41	ppb
Thallium	205-1	996.35	1017.54	1001.94	1005.28	1.09	ppb
Tin	118-1	1001.38	999.10	995.56	998.68	0.29	ppb
Titanium	47-1	4965.86	5020.72	5032.05	5006.21	0.71	ppb
Uranium	238-1	1014.53	1010.11	1000.30	1008.31	0.72	ppb
Vanadium	51-2	988.54	1009.26	998.51	998.77	1.04	ppb
Yttrium	89-1				107		%
Yttrium	89-2				101		%
Zinc	66-2	1968.51	2008.22	1978.19	1984.97	1.04	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:58:04	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1004.16	1006.75	991.94	1000.95	0.79	ppb
Zirconium	91-1	1002.50	1007.25	1011.57	1007.11	0.45	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:01:35	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100579.83	99953.61	100560.48	100364.64	0.35	ppb
Antimony	121-1	1.29	1.26	1.20	1.25	3.72	ppb
Arsenic	75-2	1.42	1.42	1.42	1.42	0.21	ppb
Barium	135-1	0.65	0.64	0.53	0.61	11.32	ppb
Barium	137-1	0.66	0.59	0.73	0.66	10.07	ppb
Beryllium	9-1	0.09	0.12	0.08	0.10	25.06	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Boron	10-1	29.17	28.35	23.43	26.98	11.50	ppb
Boron	11-1	29.84	27.04	24.87	27.25	9.14	ppb
Cadmium	111-1	0.10	0.02	0.07	0.06	65.91	ppb
Cadmium	106-1	0.96	-0.11	0.15	0.33	168.43	ppb
Cadmium	108-1	0.47	0.32	0.32	0.37	22.87	ppb
Calcium	43-1	510469.66	500328.20	491494.27	500764.04	1.90	ppb
Calcium	44-1	512228.51	498333.59	492753.85	501105.32	2.00	ppb
Chromium	52-2	7.12	6.90	7.05	7.02	1.62	ppb
Cobalt	59-2	12.03	11.62	11.99	11.88	1.90	ppb
Copper	63-2	3.79	3.64	3.55	3.66	3.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				109		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	252227.61	250633.07	247990.51	250283.73	0.86	ppb
Iron	57-2	252911.96	247073.68	250882.60	250289.41	1.18	ppb
Krypton	83-1						cps
Lead	206-1	1.79	1.88	1.97	1.88	4.81	ppb
Lead	207-1	1.90	1.97	1.82	1.89	3.81	ppb
Lead	208-1	1.83	1.89	1.84	1.85	1.84	ppb
Lithium	6-1				103		%
Magnesium	24-2	499810.84	496511.75	504295.26	500205.95	0.78	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:01:35	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.69	7.70	7.80	7.73	0.80	ppb
Molybdenum	94-1	2.43	2.23	1.99	2.22	9.94	ppb
Molybdenum	95-1	2.57	2.46	2.42	2.49	3.08	ppb
Molybdenum	96-1	2.85	2.63	2.62	2.70	4.76	ppb
Molybdenum	97-1	2.73	2.28	2.10	2.37	13.83	ppb
Molybdenum	98-1	2.43	2.41	2.17	2.34	6.08	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.09	11.55	12.74	12.13	4.92	ppb
Phosphorus	31-2	-7.06	-39.55	-28.80	-25.14		ppb
Potassium	39-2	251451.36	250782.21	249787.57	250673.71	0.33	ppb
Rhodium	103-1				97		%
Rhodium	103-2				95		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	77-2	-2.54	0.98	-2.53	-1.37		ppb
Selenium	78-2	0.34	0.91	1.48	0.91	62.88	ppb
Selenium	82-1	0.44	0.99	1.33	0.92	48.86	ppb
Silicon	28-1	297.31	109.88	31.80	146.33	93.25	ppb
Silver	109-1	0.14	0.16	0.15	0.15	5.02	ppb
Silver	107-1	0.17	0.15	0.14	0.15	7.56	ppb
Sodium	23-2	503916.54	496576.57	500507.67	500333.60	0.73	ppb
Strontium	86-1	4.14	4.05	3.87	4.02	3.41	ppb
Strontium	88-1	4.00	3.91	3.84	3.92	2.03	ppb
Sulfur	34-1	-8240.64	-9692.97	-10317.04	-9416.88		ppb
Terbium	159-1				106		%
Terbium	159-2				107		%
Thallium	203-1	0.07	0.11	0.11	0.10	21.65	ppb
Thallium	205-1	0.07	0.06	0.08	0.07	9.55	ppb
Tin	118-1	0.57	0.54	0.52	0.55	5.04	ppb
Titanium	47-1	0.93	0.78	0.93	0.88	9.77	ppb
Uranium	238-1	0.03	0.02	0.03	0.03	27.41	ppb
Vanadium	51-2	0.18	0.15	0.18	0.17	9.80	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	15.44	15.34	14.98	15.26	1.59	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:01:35	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.25	0.24	0.24	0.25	2.15	ppb
Zirconium	91-1	0.21	0.15	0.22	0.20	17.92	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:10:46	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	473.88	463.08	483.35	473.44	2.14	ppb
Antimony	121-1	193.15	192.13	193.09	192.79	0.30	ppb
Arsenic	75-2	191.45	188.28	192.36	190.70	1.12	ppb
Barium	135-1	99.93	98.14	97.27	98.45	1.38	ppb
Barium	137-1	100.10	98.62	100.80	99.84	1.12	ppb
Beryllium	9-1	90.36	90.40	90.73	90.50	0.22	ppb
Bismuth	209-1				101		%
Bismuth	209-2				106		%
Boron	10-1	451.07	472.63	483.29	469.00	3.50	ppb
Boron	11-1	457.03	470.49	476.05	467.86	2.09	ppb
Cadmium	111-1	104.68	104.34	104.56	104.53	0.16	ppb
Cadmium	106-1	157.12	154.53	144.84	152.16	4.25	ppb
Cadmium	108-1	142.53	139.48	136.24	139.42	2.26	ppb
Calcium	43-1	2093.31	2107.05	2063.93	2088.10	1.05	ppb
Calcium	44-1	1991.52	1991.31	2006.53	1996.45	0.44	ppb
Chromium	52-2	93.51	96.23	94.63	94.79	1.44	ppb
Cobalt	59-2	97.66	97.97	95.21	96.95	1.56	ppb
Copper	63-2	96.78	97.01	96.36	96.72	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				101		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				104		%
Iron	56-2	957.92	950.24	950.48	952.88	0.46	ppb
Iron	57-2	973.33	935.00	969.78	959.37	2.21	ppb
Krypton	83-1						cps
Lead	206-1	192.13	194.62	194.20	193.65	0.69	ppb
Lead	207-1	182.90	187.28	184.60	184.92	1.19	ppb
Lead	208-1	185.82	188.67	187.68	187.39	0.77	ppb
Lithium	6-1				106		%
Magnesium	24-2	1174.83	1154.68	1162.09	1163.87	0.88	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:10:46	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	97.96	98.14	98.03	98.04	0.09	ppb
Molybdenum	94-1	2394.40	2378.95	2405.93	2393.09	0.57	ppb
Molybdenum	95-1	2377.17	2346.82	2360.10	2361.37	0.64	ppb
Molybdenum	96-1	2365.17	2350.76	2375.50	2363.81	0.53	ppb
Molybdenum	97-1	2366.09	2354.46	2392.84	2371.13	0.83	ppb
Molybdenum	98-1	2354.30	2328.95	2365.30	2349.52	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.37	98.25	97.34	98.32	1.03	ppb
Phosphorus	31-2	-39.80	-39.84	-19.23	-32.96		ppb
Potassium	39-2	1873.94	1907.70	1874.83	1885.49	1.02	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	77-2	159.44	190.09	219.90	189.81	15.93	ppb
Selenium	78-2	189.26	194.44	216.68	200.13	7.28	ppb
Selenium	82-1	191.64	188.41	196.71	192.25	2.18	ppb
Silicon	28-1	184.98	154.44	237.78	192.40	21.91	ppb
Silver	109-1	101.49	101.68	100.69	101.29	0.52	ppb
Silver	107-1	104.39	103.59	102.46	103.48	0.94	ppb
Sodium	23-2	2054.97	2035.72	2032.49	2041.06	0.60	ppb
Strontium	86-1	491.45	493.81	495.76	493.67	0.44	ppb
Strontium	88-1	491.71	493.34	498.92	494.66	0.76	ppb
Sulfur	34-1	-8572.30	-9265.91	-10057.64	-9298.62		ppb
Terbium	159-1				101		%
Terbium	159-2				107		%
Thallium	203-1	192.42	195.82	192.09	193.45	1.07	ppb
Thallium	205-1	191.87	194.39	192.47	192.91	0.68	ppb
Tin	118-1	490.54	484.14	485.63	486.77	0.69	ppb
Titanium	47-1	2386.32	2345.86	2384.75	2372.31	0.97	ppb
Uranium	238-1	507.55	525.30	508.72	513.86	1.93	ppb
Vanadium	51-2	93.35	93.49	92.96	93.27	0.30	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	194.82	197.22	196.32	196.12	0.62	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:10:46	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	481.37	488.27	480.48	483.37	0.88	ppb
Zirconium	91-1	469.23	476.69	472.77	472.89	0.79	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:19:54	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.15	16.82	20.81	19.59	12.27	ppb
Antimony	121-1	1.92	1.82	2.01	1.92	4.96	ppb
Arsenic	75-2	0.99	0.84	0.76	0.87	13.21	ppb
Barium	135-1	10.00	9.51	10.78	10.10	6.35	ppb
Barium	137-1	9.80	9.27	11.28	10.12	10.31	ppb
Beryllium	9-1	0.91	0.89	0.96	0.92	3.44	ppb
Bismuth	209-1				96		%
Bismuth	209-2				95		%
Boron	10-1	27.79	28.93	29.69	28.80	3.34	ppb
Boron	11-1	28.98	27.68	31.84	29.50	7.22	ppb
Cadmium	111-1	0.94	0.93	1.06	0.97	7.15	ppb
Cadmium	106-1	-0.43	0.89	-1.02	-0.19		ppb
Cadmium	108-1	1.49	1.69	0.72	1.30	39.05	ppb
Calcium	43-1	435.91	437.98	504.47	459.45	8.49	ppb
Calcium	44-1	442.89	414.18	530.26	462.44	13.07	ppb
Chromium	52-2	1.84	2.01	2.08	1.97	6.22	ppb
Cobalt	59-2	0.93	0.93	0.88	0.91	3.00	ppb
Copper	63-2	1.91	1.83	1.97	1.90	3.77	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				96		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	49.06	51.18	50.15	50.13	2.11	ppb
Iron	57-2	48.89	51.03	54.34	51.42	5.34	ppb
Krypton	83-1						cps
Lead	206-1	0.93	1.01	1.06	1.00	6.82	ppb
Lead	207-1	0.91	0.88	0.96	0.92	4.78	ppb
Lead	208-1	0.91	0.93	1.11	0.98	11.32	ppb
Lithium	6-1				101		%
Magnesium	24-2	466.82	484.26	495.84	482.31	3.03	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:19:54	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.00	1.21	1.17	1.13	9.75	ppb
Molybdenum	94-1	4.59	4.23	4.81	4.54	6.43	ppb
Molybdenum	95-1	4.69	4.58	5.28	4.85	7.75	ppb
Molybdenum	96-1	4.70	4.43	5.17	4.76	7.88	ppb
Molybdenum	97-1	4.61	4.53	5.40	4.85	9.94	ppb
Molybdenum	98-1	4.71	4.20	5.17	4.69	10.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.85	0.94	1.21	1.00	18.57	ppb
Phosphorus	31-2	29.86	5.22	-6.82	9.42	198.54	ppb
Potassium	39-2	478.11	458.97	469.33	468.81	2.04	ppb
Rhodium	103-1				100		%
Rhodium	103-2				95		%
Scandium	45-1				102		%
Scandium	45-2				97		%
Selenium	77-2	-2.26	-6.04	-2.45	-3.58		ppb
Selenium	78-2	2.88	4.00	6.19	4.36	38.59	ppb
Selenium	82-1	6.24	5.15	4.98	5.46	12.54	ppb
Silicon	28-1	-27.43	-303.42	705.13	124.76	417.78	ppb
Silver	109-1	0.92	1.01	1.21	1.05	14.52	ppb
Silver	107-1	1.03	1.06	1.21	1.10	8.71	ppb
Sodium	23-2	505.45	532.79	531.63	523.29	2.95	ppb
Strontium	86-1	0.86	0.71	0.99	0.85	16.61	ppb
Strontium	88-1	0.85	0.76	0.86	0.82	6.26	ppb
Sulfur	34-1	-9918.97	-11798.36	-3499.40	-8405.58		ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	0.89	0.98	1.07	0.98	9.01	ppb
Thallium	205-1	0.92	0.93	1.09	0.98	9.92	ppb
Tin	118-1	5.11	4.79	5.61	5.17	8.03	ppb
Titanium	47-1	4.46	4.66	5.30	4.81	9.10	ppb
Uranium	238-1	0.81	0.81	1.05	0.89	15.59	ppb
Vanadium	51-2	4.69	4.95	5.14	4.92	4.60	ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	2.08	2.01	2.08	2.06	1.93	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:19:54	DataFile Name :	013LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.92	0.88	1.00	0.93	7.05	ppb
Zirconium	91-1	1.01	0.82	1.09	0.97	14.14	ppb

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 17:23:26 DataFile Name : 014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.11	-0.07	2.03	0.69	168.54	ppb
Antimony	121-1	0.03	0.03	0.04	0.03	18.56	ppb
Arsenic	75-2	-0.05	0.02	0.02	-0.01		ppb
Barium	135-1	-0.04	-0.01	-0.01	-0.02		ppb
Barium	137-1	0.00	0.00	-0.02	-0.01		ppb
Beryllium	9-1	-0.02	0.00	-0.01	-0.01		ppb
Bismuth	209-1				96		%
Bismuth	209-2				97		%
Boron	10-1	4.18	4.91	4.98	4.69	9.42	ppb
Boron	11-1	5.19	5.00	5.09	5.09	1.86	ppb
Cadmium	111-1	-0.08	-0.04	-0.02	-0.05		ppb
Cadmium	106-1	-1.14	-0.52	-0.34	-0.67		ppb
Cadmium	108-1	0.00	0.00	0.00	0.00	16.02	ppb
Calcium	43-1	5.87	6.80	5.76	6.14	9.31	ppb
Calcium	44-1	-0.22	-0.01	-0.86	-0.36		ppb
Chromium	52-2	0.15	0.18	0.18	0.17	10.74	ppb
Cobalt	59-2	0.02	0.00	0.03	0.02	91.88	ppb
Copper	63-2	0.05	0.02	0.01	0.03	70.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				99		%
Indium	115-1				97		%
Indium	115-2				100		%
Iron	56-2	0.39	0.17	0.37	0.31	39.56	ppb
Iron	57-2	-1.67	-2.71	-1.19	-1.86		ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.04	-0.01	0.03	132.38	ppb
Lead	207-1	0.03	0.06	0.04	0.05	35.28	ppb
Lead	208-1	0.06	0.04	0.02	0.04	49.49	ppb
Lithium	6-1				98		%
Magnesium	24-2	0.27	-1.55	2.24	0.32	594.37	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:23:26	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.02	0.12	0.05	0.07	79.79	ppb
Molybdenum	94-1	0.03	0.08	0.03	0.05	62.37	ppb
Molybdenum	95-1	0.01	0.03	0.02	0.02	49.24	ppb
Molybdenum	96-1	0.02	0.00	0.03	0.02	124.05	ppb
Molybdenum	97-1	0.01	0.00	0.01	0.01	56.45	ppb
Molybdenum	98-1	0.01	0.00	0.01	0.01	60.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.07	0.03	0.02	0.04	71.17	ppb
Phosphorus	31-2	-39.72	-39.59	-39.53	-39.61		ppb
Potassium	39-2	-25.18	15.76	-1.65	-3.69		ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	77-2	-6.04	-6.04	-2.45	-4.84		ppb
Selenium	78-2	-0.21	-0.21	-0.79	-0.41		ppb
Selenium	82-1	0.22	-2.18	-0.37	-0.78		ppb
Silicon	28-1	18.06	-58.44	16.72	-7.89		ppb
Silver	109-1	0.03	0.04	0.02	0.03	31.73	ppb
Silver	107-1	0.03	0.04	0.04	0.04	11.95	ppb
Sodium	23-2	43.23	49.45	42.05	44.91	8.85	ppb
Strontium	86-1	-0.04	0.13	0.09	0.06	145.85	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-7606.17	-8653.15	-8401.60	-8220.31		ppb
Terbium	159-1				96		%
Terbium	159-2				98		%
Thallium	203-1	0.01	-0.01	0.00	0.00	683.07	ppb
Thallium	205-1	0.00	0.01	0.01	0.01	55.14	ppb
Tin	118-1	0.02	0.03	0.07	0.04	73.40	ppb
Titanium	47-1	0.01	-0.06	0.05	0.00	5568.69	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.03	-0.04	-0.02	-0.01		ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	0.25	0.19	0.14	0.19	27.71	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:23:26	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	-0.01	0.00		ppb
Zirconium	91-1	0.03	0.01	0.01	0.01	82.95	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:26:58	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89471.14	87037.90	86573.30	87694.11	1.77	ppb
Antimony	121-1	1.16	1.08	1.12	1.12	3.53	ppb
Arsenic	75-2	0.35	0.28	0.17	0.27	33.83	ppb
Barium	135-1	1.44	1.58	1.66	1.56	7.06	ppb
Barium	137-1	1.50	1.54	1.67	1.57	5.59	ppb
Beryllium	9-1	0.31	0.24	0.30	0.28	13.31	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Boron	10-1	4.19	3.36	5.05	4.20	20.08	ppb
Boron	11-1	4.49	4.48	4.69	4.55	2.68	ppb
Cadmium	111-1	0.51	0.17	0.28	0.32	54.78	ppb
Cadmium	106-1	0.55	-0.92	-1.46	-0.61		ppb
Cadmium	108-1	10.38	11.03	10.79	10.73	3.04	ppb
Calcium	43-1	95791.88	95328.11	96771.11	95963.70	0.77	ppb
Calcium	44-1	94194.05	94075.67	93895.13	94054.95	0.16	ppb
Chromium	52-2	20.95	20.45	20.72	20.71	1.21	ppb
Cobalt	59-2	1.22	1.30	1.15	1.22	6.13	ppb
Copper	63-2	8.70	8.55	8.09	8.45	3.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	99848.58	97126.36	96558.44	97844.46	1.80	ppb
Iron	57-2	101736.44	98183.79	98198.64	99372.96	2.06	ppb
Krypton	83-1						cps
Lead	206-1	4.90	5.19	5.00	5.03	2.91	ppb
Lead	207-1	4.32	4.45	4.54	4.44	2.58	ppb
Lead	208-1	4.62	4.73	4.71	4.69	1.19	ppb
Lithium	6-1				102		%
Magnesium	24-2	103104.87	98923.12	99279.55	100435.85	2.31	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:26:58	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.69	7.39	7.52	7.53	2.04	ppb
Molybdenum	94-1	1342.80	1343.83	1352.25	1346.30	0.39	ppb
Molybdenum	95-1	1838.51	1865.28	1878.54	1860.77	1.10	ppb
Molybdenum	96-1	1775.51	1791.52	1815.40	1794.14	1.12	ppb
Molybdenum	97-1	1883.14	1874.76	1879.10	1879.00	0.22	ppb
Molybdenum	98-1	1843.65	1859.26	1849.58	1850.83	0.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.66	5.42	5.46	5.51	2.32	ppb
Phosphorus	31-2	101131.65	101751.18	102346.00	101742.94	0.60	ppb
Potassium	39-2	100526.08	95954.34	95820.29	97433.57	2.75	ppb
Rhodium	103-1				101		%
Rhodium	103-2				98		%
Scandium	45-1				105		%
Scandium	45-2				99		%
Selenium	77-2	-6.04	1.07	-2.44	-2.47		ppb
Selenium	78-2	-0.22	-0.22	2.71	0.75	223.81	ppb
Selenium	82-1	0.64	0.54	-0.16	0.34	129.56	ppb
Silicon	28-1	-57.26	-40.86	-26.68	-41.60		ppb
Silver	109-1	0.37	0.40	0.52	0.43	18.61	ppb
Silver	107-1	0.36	0.41	0.52	0.43	19.71	ppb
Sodium	23-2	102662.30	98960.67	99755.60	100459.53	1.94	ppb
Strontium	86-1	30.47	29.73	28.99	29.73	2.48	ppb
Strontium	88-1	30.14	30.29	30.09	30.17	0.36	ppb
Sulfur	34-1	120324.50	118707.21	119280.57	119437.43	0.69	ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.07	0.07	0.03	0.05	44.57	ppb
Thallium	205-1	0.09	0.08	0.06	0.08	25.35	ppb
Tin	118-1	0.15	0.17	0.13	0.15	14.17	ppb
Titanium	47-1	1924.79	1973.10	1959.82	1952.57	1.28	ppb
Uranium	238-1	0.00	0.01	0.01	0.01	61.26	ppb
Vanadium	51-2	0.09	0.12	0.06	0.09	31.01	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	13.21	11.80	13.12	12.71	6.22	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:26:58	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.05	0.03	0.03	0.04	23.82	ppb
Zirconium	91-1	0.07	0.07	0.03	0.06	32.39	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:30:21	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88664.39	86607.84	84303.40	86525.21	2.52	ppb
Antimony	121-1	20.50	20.67	20.76	20.64	0.64	ppb
Arsenic	75-2	20.42	19.47	19.87	19.92	2.39	ppb
Barium	135-1	21.30	21.33	22.12	21.58	2.14	ppb
Barium	137-1	22.47	21.37	21.89	21.91	2.51	ppb
Beryllium	9-1	19.84	19.92	19.69	19.81	0.60	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Boron	10-1	68.70	68.90	68.66	68.75	0.19	ppb
Boron	11-1	67.31	68.89	68.41	68.21	1.19	ppb
Cadmium	111-1	20.36	20.77	20.26	20.46	1.32	ppb
Cadmium	106-1	24.17	26.21	22.06	24.15	8.58	ppb
Cadmium	108-1	29.42	30.53	32.32	30.75	4.77	ppb
Calcium	43-1	95222.22	96819.33	95155.49	95732.35	0.98	ppb
Calcium	44-1	94147.62	95115.85	94156.77	94473.41	0.59	ppb
Chromium	52-2	42.10	40.46	39.03	40.53	3.79	ppb
Cobalt	59-2	22.53	21.49	21.21	21.74	3.19	ppb
Copper	63-2	29.55	28.69	28.02	28.76	2.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	99928.01	98988.18	95120.73	98012.30	2.60	ppb
Iron	57-2	101332.15	99030.71	96550.38	98971.08	2.42	ppb
Krypton	83-1						cps
Lead	206-1	25.86	25.97	24.95	25.59	2.19	ppb
Lead	207-1	22.74	22.96	23.23	22.98	1.08	ppb
Lead	208-1	23.74	24.10	23.75	23.87	0.86	ppb
Lithium	6-1				98		%
Magnesium	24-2	102274.55	98541.54	97274.10	99363.39	2.62	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:30:21	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	29.09	28.16	27.24	28.17	3.28	ppb
Molybdenum	94-1	1444.87	1501.15	1476.81	1474.28	1.91	ppb
Molybdenum	95-1	1912.31	1943.61	1915.46	1923.79	0.90	ppb
Molybdenum	96-1	1821.68	1893.68	1879.94	1865.10	2.05	ppb
Molybdenum	97-1	1889.30	1964.74	1926.40	1926.81	1.96	ppb
Molybdenum	98-1	1897.79	1939.55	1913.67	1917.00	1.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.95	26.23	25.38	26.19	3.00	ppb
Phosphorus	31-2	103692.30	98638.29	96640.00	99656.86	3.65	ppb
Potassium	39-2	100202.89	97107.19	95282.24	97530.77	2.55	ppb
Rhodium	103-1				100		%
Rhodium	103-2				96		%
Scandium	45-1				103		%
Scandium	45-2				97		%
Selenium	77-2	23.75	26.83	18.75	23.11	17.64	ppb
Selenium	78-2	19.67	21.05	16.39	19.04	12.59	ppb
Selenium	82-1	17.14	19.54	19.15	18.61	6.93	ppb
Silicon	28-1	119.88	203.35	111.84	145.02	34.94	ppb
Silver	109-1	19.51	19.67	19.60	19.60	0.43	ppb
Silver	107-1	19.30	19.93	19.84	19.69	1.74	ppb
Sodium	23-2	101394.06	100570.78	97270.88	99745.24	2.19	ppb
Strontium	86-1	81.58	84.84	85.36	83.93	2.44	ppb
Strontium	88-1	82.95	85.92	85.22	84.70	1.83	ppb
Sulfur	34-1	119439.03	120883.94	118774.35	119699.11	0.90	ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	19.84	20.78	20.28	20.30	2.33	ppb
Thallium	205-1	19.98	20.11	19.88	19.99	0.58	ppb
Tin	118-1	63.00	62.70	63.11	62.93	0.34	ppb
Titanium	47-1	2009.05	2020.10	2016.16	2015.10	0.28	ppb
Uranium	238-1	60.79	63.35	61.96	62.03	2.07	ppb
Vanadium	51-2	19.99	19.78	19.46	19.74	1.36	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	31.99	32.06	32.13	32.06	0.22	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:30:21	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	63.13	65.96	65.10	64.73	2.23	ppb
Zirconium	91-1	64.21	65.68	66.41	65.43	1.71	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:38:09	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51021.41	50264.11	50614.44	50633.32	0.75	ppb
Antimony	121-1	519.66	515.06	510.48	515.07	0.89	ppb
Arsenic	75-2	506.16	500.07	496.91	501.05	0.94	ppb
Barium	135-1	2615.04	2549.68	2561.66	2575.46	1.35	ppb
Barium	137-1	2625.83	2558.13	2582.89	2588.95	1.32	ppb
Beryllium	9-1	500.64	504.37	499.43	501.48	0.51	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Boron	10-1	503.71	516.85	515.42	511.99	1.41	ppb
Boron	11-1	507.47	510.88	513.55	510.63	0.60	ppb
Cadmium	111-1	513.80	504.22	507.24	508.42	0.96	ppb
Cadmium	106-1	504.90	499.62	499.57	501.36	0.61	ppb
Cadmium	108-1	514.30	493.94	509.54	505.93	2.10	ppb
Calcium	43-1	237036.33	232200.37	231377.11	233537.94	1.31	ppb
Calcium	44-1	235495.44	232425.76	228856.27	232259.16	1.43	ppb
Chromium	52-2	509.80	504.19	505.22	506.41	0.59	ppb
Cobalt	59-2	506.18	502.54	501.90	503.54	0.46	ppb
Copper	63-2	981.91	969.06	972.56	974.51	0.68	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				111		%
Holmium	165-2				109		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	122212.56	119666.72	119631.74	120503.67	1.23	ppb
Iron	57-2	124913.89	121442.07	121931.12	122762.36	1.53	ppb
Krypton	83-1						cps
Lead	206-1	500.12	505.11	504.86	503.36	0.56	ppb
Lead	207-1	497.93	504.53	496.80	499.75	0.83	ppb
Lead	208-1	504.10	508.07	504.73	505.63	0.42	ppb
Lithium	6-1				103		%
Magnesium	24-2	242271.31	238571.83	239431.62	240091.59	0.81	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:38:09	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1012.93	1002.11	998.40	1004.48	0.75	ppb
Molybdenum	94-1	2542.49	2550.59	2548.86	2547.31	0.17	ppb
Molybdenum	95-1	2533.71	2553.73	2522.70	2536.71	0.62	ppb
Molybdenum	96-1	2550.44	2553.03	2530.14	2544.53	0.49	ppb
Molybdenum	97-1	2535.23	2533.97	2506.66	2525.29	0.64	ppb
Molybdenum	98-1	2512.67	2511.50	2517.69	2513.95	0.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	501.86	496.68	497.52	498.68	0.56	ppb
Phosphorus	31-2	10127.22	10406.25	9886.71	10140.06	2.56	ppb
Potassium	39-2	122815.26	119733.24	119578.54	120709.01	1.51	ppb
Rhodium	103-1				101		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				102		%
Selenium	77-2	438.52	552.98	518.54	503.35	11.67	ppb
Selenium	78-2	523.56	490.91	526.57	513.68	3.85	ppb
Selenium	82-1	500.63	505.79	497.91	501.44	0.80	ppb
Silicon	28-1	557.80	526.74	486.30	523.61	6.85	ppb
Silver	109-1	510.06	505.40	510.06	508.51	0.53	ppb
Silver	107-1	508.18	506.78	505.96	506.98	0.22	ppb
Sodium	23-2	240521.62	238098.72	237855.43	238825.26	0.62	ppb
Strontium	86-1	507.22	511.19	505.15	507.86	0.60	ppb
Strontium	88-1	504.67	508.36	507.48	506.84	0.38	ppb
Sulfur	34-1	6879.12	5899.28	4913.70	5897.37	16.66	ppb
Terbium	159-1				109		%
Terbium	159-2				109		%
Thallium	203-1	503.76	505.01	507.43	505.40	0.37	ppb
Thallium	205-1	513.65	516.13	516.37	515.38	0.29	ppb
Tin	118-1	513.18	501.00	508.10	507.43	1.21	ppb
Titanium	47-1	2514.76	2497.29	2479.97	2497.34	0.70	ppb
Uranium	238-1	527.12	526.51	518.08	523.90	0.96	ppb
Vanadium	51-2	511.89	505.64	504.70	507.41	0.77	ppb
Yttrium	89-1				107		%
Yttrium	89-2				104		%
Zinc	66-2	1008.59	989.62	1002.03	1000.08	0.96	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:38:09	DataFile Name :	018CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	523.94	526.35	516.43	522.24	0.99	ppb
Zirconium	91-1	514.99	513.87	509.07	512.64	0.61	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:51:41	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.42	22.57	19.20	18.73	21.86	ppb
Antimony	121-1	2.06	2.04	1.86	1.99	5.43	ppb
Arsenic	75-2	0.80	0.96	0.81	0.86	10.44	ppb
Barium	135-1	10.66	9.93	10.21	10.27	3.59	ppb
Barium	137-1	9.90	9.90	10.47	10.09	3.30	ppb
Beryllium	9-1	0.94	0.97	0.84	0.92	7.69	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	25.17	25.82	27.39	26.13	4.38	ppb
Boron	11-1	26.15	26.56	27.18	26.63	1.94	ppb
Cadmium	111-1	0.93	0.82	1.21	0.99	20.17	ppb
Cadmium	106-1	1.66	-1.32	2.74	1.03	204.80	ppb
Cadmium	108-1	1.04	1.41	1.55	1.33	19.86	ppb
Calcium	43-1	456.08	443.27	432.79	444.05	2.63	ppb
Calcium	44-1	448.51	457.06	439.21	448.26	1.99	ppb
Chromium	52-2	1.81	1.62	1.93	1.79	8.87	ppb
Cobalt	59-2	1.00	0.98	1.03	1.00	2.85	ppb
Copper	63-2	2.13	1.93	1.98	2.01	4.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				103		%
Indium	115-2				100		%
Iron	56-2	50.76	49.90	50.55	50.40	0.89	ppb
Iron	57-2	53.76	45.09	45.16	48.00	10.38	ppb
Krypton	83-1						cps
Lead	206-1	1.06	1.02	0.99	1.02	3.80	ppb
Lead	207-1	1.14	0.91	1.13	1.06	12.22	ppb
Lead	208-1	1.03	0.95	1.01	1.00	4.07	ppb
Lithium	6-1				98		%
Magnesium	24-2	499.98	487.37	502.99	496.78	1.67	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:51:41	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.15	0.80	0.85	0.93	20.60	ppb
Molybdenum	94-1	4.83	4.76	4.50	4.70	3.70	ppb
Molybdenum	95-1	4.97	4.68	4.64	4.76	3.80	ppb
Molybdenum	96-1	4.88	4.75	4.79	4.80	1.34	ppb
Molybdenum	97-1	5.19	4.44	4.36	4.66	9.82	ppb
Molybdenum	98-1	4.67	4.75	4.75	4.73	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.11	1.07	1.22	1.13	7.11	ppb
Phosphorus	31-2	26.43	3.89	-17.71	4.21	524.88	ppb
Potassium	39-2	477.67	493.25	519.26	496.73	4.23	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	77-2	1.16	1.11	1.15	1.14	2.34	ppb
Selenium	78-2	9.10	4.41	5.60	6.37	38.31	ppb
Selenium	82-1	5.84	4.14	4.37	4.78	19.23	ppb
Silicon	28-1	-52.35	112.95	-91.09	-10.16		ppb
Silver	109-1	1.12	1.10	1.08	1.10	1.86	ppb
Silver	107-1	1.09	1.11	1.01	1.07	4.59	ppb
Sodium	23-2	610.67	596.10	570.87	592.55	3.40	ppb
Strontium	86-1	0.98	0.79	0.91	0.90	10.96	ppb
Strontium	88-1	0.85	0.81	0.81	0.82	2.75	ppb
Sulfur	34-1	-9842.59	-8292.50	-9450.60	-9195.23		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.97	0.94	1.06	0.99	6.19	ppb
Thallium	205-1	1.07	1.05	0.91	1.01	8.43	ppb
Tin	118-1	4.91	5.08	5.16	5.05	2.49	ppb
Titanium	47-1	4.84	4.09	4.89	4.61	9.73	ppb
Uranium	238-1	0.91	0.88	0.86	0.88	3.11	ppb
Vanadium	51-2	4.97	5.03	4.89	4.96	1.47	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	2.47	2.07	2.19	2.24	9.09	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:51:41	DataFile Name :	020LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.81	0.88	0.96	0.88	8.46	ppb
Zirconium	91-1	0.88	0.96	0.94	0.92	4.48	ppb

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : CCB54 Instrumnet Name : P8
 Client Sample ID : CCB54 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 17:55:13 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.91	0.74	-1.34	0.77	275.48	ppb
Antimony	121-1	0.03	0.03	0.06	0.04	34.31	ppb
Arsenic	75-2	-0.10	-0.02	-0.02	-0.05		ppb
Barium	135-1	-0.02	0.00	-0.02	-0.02		ppb
Barium	137-1	-0.02	-0.01	-0.02	-0.02		ppb
Beryllium	9-1	0.00	0.01	0.00	0.01	88.93	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	3.34	2.76	2.37	2.82	17.42	ppb
Boron	11-1	3.59	3.29	3.19	3.36	6.16	ppb
Cadmium	111-1	-0.01	-0.23	0.05	-0.06		ppb
Cadmium	106-1	0.02	-2.92	0.86	-0.68		ppb
Cadmium	108-1	0.14	0.00	0.35	0.16	108.62	ppb
Calcium	43-1	0.38	2.57	2.01	1.65	68.87	ppb
Calcium	44-1	-1.99	-0.60	3.02	0.14	1797.14	ppb
Chromium	52-2	0.27	0.01	0.09	0.13	107.40	ppb
Cobalt	59-2	0.02	0.00	0.00	0.00	258.95	ppb
Copper	63-2	0.01	0.08	0.05	0.05	67.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	-0.06	-0.47	0.00	-0.18		ppb
Iron	57-2	-0.74	-0.06	0.67	-0.04		ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.00	0.09	0.05	82.71	ppb
Lead	207-1	0.07	0.17	0.11	0.12	44.06	ppb
Lead	208-1	0.07	0.06	0.08	0.07	20.41	ppb
Lithium	6-1				95		%
Magnesium	24-2	0.84	2.24	1.13	1.40	52.96	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:55:13	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.06	0.16	0.04	0.05	234.06	ppb
Molybdenum	94-1	0.00	0.01	0.04	0.02	107.37	ppb
Molybdenum	95-1	-0.02	0.00	-0.03	-0.02		ppb
Molybdenum	96-1	0.02	0.02	0.02	0.02	16.04	ppb
Molybdenum	97-1	0.02	0.01	0.00	0.01	84.34	ppb
Molybdenum	98-1	0.01	0.00	-0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.02	0.00	0.04	128.97	ppb
Phosphorus	31-2	-39.41	-7.44	-18.18	-21.68		ppb
Potassium	39-2	26.91	-1.51	4.65	10.02	149.21	ppb
Rhodium	103-1				103		%
Rhodium	103-2				100		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	77-2	1.03	1.17	-2.42	-0.07		ppb
Selenium	78-2	-0.79	2.70	0.38	0.76	233.62	ppb
Selenium	82-1	0.01	0.62	0.01	0.21	164.24	ppb
Silicon	28-1	-0.96	-5.26	50.66	14.82	210.03	ppb
Silver	109-1	0.04	0.06	0.04	0.05	25.70	ppb
Silver	107-1	0.06	0.05	0.05	0.05	8.80	ppb
Sodium	23-2	77.30	80.31	74.55	77.39	3.72	ppb
Strontium	86-1	-0.02	-0.04	0.02	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-9108.44	-8488.49	-8141.59	-8579.51		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.06	0.04	0.07	0.06	28.38	ppb
Thallium	205-1	0.10	0.06	0.08	0.08	21.59	ppb
Tin	118-1	0.01	-0.01	-0.01	-0.01		ppb
Titanium	47-1	-0.08	0.03	-0.06	-0.03		ppb
Uranium	238-1	-0.01	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.02	-0.02	-0.02	-0.02		ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	0.28	0.07	0.28	0.21	56.11	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:55:13	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	-0.02	-0.01	-0.01	-0.01		ppb
Zirconium	91-1	0.00	-0.01	0.02	0.00	1573.51	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:58:44	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.31	14.94	18.93	16.73	12.12	ppb
Antimony	121-1	1.80	1.97	1.93	1.90	4.66	ppb
Arsenic	75-2	0.89	1.12	1.24	1.08	16.28	ppb
Barium	135-1	9.90	10.07	9.82	9.93	1.28	ppb
Barium	137-1	9.40	9.58	9.70	9.56	1.58	ppb
Beryllium	9-1	0.96	0.94	0.92	0.94	2.56	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Boron	10-1	23.36	25.43	25.43	24.74	4.83	ppb
Boron	11-1	24.90	25.90	26.47	25.76	3.08	ppb
Cadmium	111-1	1.01	0.58	0.83	0.81	26.52	ppb
Cadmium	106-1	1.56	-1.95	-0.64	-0.35		ppb
Cadmium	108-1	0.63	1.63	1.18	1.14	43.89	ppb
Calcium	43-1	448.50	458.04	446.91	451.15	1.33	ppb
Calcium	44-1	441.44	459.90	448.10	449.81	2.08	ppb
Chromium	52-2	2.21	1.99	1.87	2.03	8.43	ppb
Cobalt	59-2	0.97	0.93	1.07	0.99	6.96	ppb
Copper	63-2	2.05	1.92	2.03	2.00	3.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	50.36	48.33	49.64	49.45	2.09	ppb
Iron	57-2	53.85	41.75	48.78	48.13	12.63	ppb
Krypton	83-1						cps
Lead	206-1	1.07	0.93	0.93	0.98	8.25	ppb
Lead	207-1	0.86	0.89	0.99	0.91	7.25	ppb
Lead	208-1	0.97	0.93	0.92	0.94	2.76	ppb
Lithium	6-1				95		%
Magnesium	24-2	500.12	497.79	499.12	499.01	0.23	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:58:44	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.11	0.97	1.19	1.09	10.27	ppb
Molybdenum	94-1	4.62	4.59	4.45	4.55	2.01	ppb
Molybdenum	95-1	4.87	4.84	4.81	4.84	0.62	ppb
Molybdenum	96-1	4.96	4.64	4.60	4.73	4.16	ppb
Molybdenum	97-1	4.44	5.00	4.70	4.71	5.94	ppb
Molybdenum	98-1	4.44	4.53	4.68	4.55	2.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.17	1.28	1.06	1.17	9.45	ppb
Phosphorus	31-2	26.55	3.14	15.48	15.06	77.78	ppb
Potassium	39-2	495.59	454.29	492.62	480.84	4.79	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	77-2	1.23	-6.04	12.19	2.46	373.67	ppb
Selenium	78-2	3.91	8.04	5.10	5.68	37.49	ppb
Selenium	82-1	4.61	5.33	5.25	5.06	7.81	ppb
Silicon	28-1	-12.88	97.85	53.99	46.32	120.38	ppb
Silver	109-1	0.96	0.99	0.97	0.98	1.55	ppb
Silver	107-1	1.06	1.04	1.04	1.05	1.08	ppb
Sodium	23-2	567.91	527.49	551.57	548.99	3.70	ppb
Strontium	86-1	0.88	1.00	0.96	0.95	6.92	ppb
Strontium	88-1	0.85	0.84	0.89	0.86	3.26	ppb
Sulfur	34-1	-8172.04	-6909.44	-8236.33	-7772.60		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	1.03	0.95	0.97	0.99	4.02	ppb
Thallium	205-1	0.98	0.96	0.91	0.95	3.89	ppb
Tin	118-1	4.99	4.99	5.04	5.01	0.56	ppb
Titanium	47-1	4.79	4.56	4.57	4.64	2.87	ppb
Uranium	238-1	0.87	0.87	0.90	0.88	1.77	ppb
Vanadium	51-2	5.03	4.80	4.86	4.90	2.45	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	1.92	2.11	2.10	2.04	5.32	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:58:44	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.91	0.93	0.90	0.92	1.82	ppb
Zirconium	91-1	0.84	0.93	0.95	0.91	6.75	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118436BS	Instrumnet Name :	P8
Client Sample ID :	PB118436BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:02:15	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9513.58	9956.81	9423.46	9631.29	2.96	ppb
Antimony	121-1	519.40	509.09	509.63	512.70	1.13	ppb
Arsenic	75-2	507.33	504.48	503.21	505.01	0.42	ppb
Barium	135-1	2603.96	2516.82	2539.65	2553.47	1.77	ppb
Barium	137-1	2604.30	2578.54	2575.15	2586.00	0.62	ppb
Beryllium	9-1	498.40	505.26	494.34	499.33	1.11	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Boron	10-1	492.92	508.45	495.94	499.10	1.65	ppb
Boron	11-1	489.82	507.74	496.81	498.12	1.81	ppb
Cadmium	111-1	522.00	513.53	512.23	515.92	1.03	ppb
Cadmium	106-1	521.07	507.21	494.84	507.70	2.58	ppb
Cadmium	108-1	526.33	519.41	509.91	518.55	1.59	ppb
Calcium	43-1	48184.33	48380.53	47751.89	48105.58	0.67	ppb
Calcium	44-1	47821.45	48266.20	47743.00	47943.55	0.59	ppb
Chromium	52-2	506.63	521.24	502.40	510.09	1.94	ppb
Cobalt	59-2	511.11	519.97	503.55	511.54	1.61	ppb
Copper	63-2	1011.00	1041.96	1005.68	1019.55	1.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				100		%
Iron	56-2	24883.21	25626.80	24491.99	25000.66	2.31	ppb
Iron	57-2	24739.40	25220.48	24742.55	24900.81	1.11	ppb
Krypton	83-1						cps
Lead	206-1	507.29	497.84	501.80	502.31	0.94	ppb
Lead	207-1	496.93	495.84	500.28	497.68	0.47	ppb
Lead	208-1	504.29	494.56	503.36	500.74	1.07	ppb
Lithium	6-1				104		%
Magnesium	24-2	51631.06	52824.71	50902.32	51786.03	1.87	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118436BS	Instrumnet Name :	P8
Client Sample ID :	PB118436BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:02:15	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1019.15	1051.33	1007.04	1025.84	2.23	ppb
Molybdenum	94-1	2524.69	2554.68	2529.95	2536.44	0.63	ppb
Molybdenum	95-1	2524.27	2522.12	2494.82	2513.74	0.65	ppb
Molybdenum	96-1	2515.52	2524.47	2535.10	2525.03	0.39	ppb
Molybdenum	97-1	2508.94	2533.37	2531.01	2524.44	0.53	ppb
Molybdenum	98-1	2520.28	2490.33	2479.99	2496.87	0.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	507.16	517.50	503.32	509.33	1.44	ppb
Phosphorus	31-2	10272.51	10823.37	10247.90	10447.92	3.11	ppb
Potassium	39-2	24324.02	25006.90	24124.99	24485.31	1.89	ppb
Rhodium	103-1				104		%
Rhodium	103-2				100		%
Scandium	45-1				107		%
Scandium	45-2				100		%
Selenium	77-2	544.15	491.85	480.87	505.62	6.69	ppb
Selenium	78-2	508.36	518.10	512.87	513.11	0.95	ppb
Selenium	82-1	502.91	497.96	499.39	500.09	0.51	ppb
Silicon	28-1	479.19	547.78	420.25	482.41	13.23	ppb
Silver	109-1	525.50	512.96	519.21	519.22	1.21	ppb
Silver	107-1	524.85	509.44	514.36	516.22	1.52	ppb
Sodium	23-2	50162.76	52157.57	49844.57	50721.63	2.47	ppb
Strontium	86-1	504.03	502.62	500.06	502.24	0.40	ppb
Strontium	88-1	505.35	499.99	510.88	505.41	1.08	ppb
Sulfur	34-1	8125.70	8225.05	5758.23	7369.66	18.95	ppb
Terbium	159-1				111		%
Terbium	159-2				107		%
Thallium	203-1	505.18	494.05	503.19	500.81	1.19	ppb
Thallium	205-1	520.47	508.93	504.33	511.25	1.63	ppb
Tin	118-1	513.00	511.83	510.69	511.84	0.23	ppb
Titanium	47-1	2521.70	2504.21	2535.84	2520.58	0.63	ppb
Uranium	238-1	510.27	488.21	504.12	500.87	2.27	ppb
Vanadium	51-2	505.21	516.86	499.16	507.07	1.77	ppb
Yttrium	89-1				108		%
Yttrium	89-2				102		%
Zinc	66-2	1006.47	1039.03	994.09	1013.20	2.29	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118436BS	Instrumnet Name :	P8
Client Sample ID :	PB118436BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:02:15	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	506.65	517.71	510.55	511.64	1.10	ppb
Zirconium	91-1	500.75	506.56	501.20	502.83	0.64	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BL	Instrumnet Name :	P8
Client Sample ID :	PB118437BL	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:07:27	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.63	1.07	0.56	1.09	49.09	ppb
Antimony	121-1	0.12	0.16	0.13	0.13	15.48	ppb
Arsenic	75-2	-0.07	-0.03	-0.02	-0.04		ppb
Barium	135-1	-0.01	-0.04	-0.03	-0.03		ppb
Barium	137-1	-0.04	-0.03	-0.01	-0.03		ppb
Beryllium	9-1	0.04	0.04	0.03	0.04	8.59	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Boron	10-1	6.86	5.38	5.90	6.04	12.46	ppb
Boron	11-1	6.74	6.18	6.28	6.40	4.69	ppb
Cadmium	111-1	0.04	-0.16	0.01	-0.04		ppb
Cadmium	106-1	0.65	-1.80	-0.02	-0.39		ppb
Cadmium	108-1	-0.07	0.39	0.06	0.13	187.04	ppb
Calcium	43-1	-1.41	-2.46	-2.88	-2.25		ppb
Calcium	44-1	-3.40	2.95	2.08	0.54	631.84	ppb
Chromium	52-2	0.13	-0.01	0.24	0.12	102.60	ppb
Cobalt	59-2	0.00	0.00	0.01	0.01	145.19	ppb
Copper	63-2	0.18	0.28	0.16	0.21	30.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				105		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	-0.28	-0.20	-0.11	-0.20		ppb
Iron	57-2	0.05	-1.13	-3.38	-1.49		ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.14	0.03	0.08	68.00	ppb
Lead	207-1	0.18	0.11	0.15	0.14	25.35	ppb
Lead	208-1	0.10	0.12	0.11	0.11	8.41	ppb
Lithium	6-1				102		%
Magnesium	24-2	3.12	0.16	3.98	2.42	82.94	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BL	Instrumnet Name :	P8
Client Sample ID :	PB118437BL	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:07:27	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.07	0.00	0.04	0.04	85.47	ppb
Molybdenum	94-1	0.06	0.09	0.05	0.07	31.85	ppb
Molybdenum	95-1	0.13	0.07	0.09	0.10	32.73	ppb
Molybdenum	96-1	0.10	0.13	0.08	0.10	24.43	ppb
Molybdenum	97-1	0.08	0.10	0.06	0.08	25.75	ppb
Molybdenum	98-1	0.10	0.08	0.10	0.10	11.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	0.07	0.00	0.04	95.75	ppb
Phosphorus	31-2	-28.50	-50.22	-28.55	-35.76		ppb
Potassium	39-2	29.70	-17.90	14.16	8.65	280.62	ppb
Rhodium	103-1				107		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				99		%
Selenium	77-2	-6.04	-6.04	-6.04	-6.04		ppb
Selenium	78-2	0.35	0.95	0.91	0.74	45.04	ppb
Selenium	82-1	0.76	0.86	0.24	0.62	53.92	ppb
Silicon	28-1	-170.44	-23.96	6.04	-62.79		ppb
Silver	109-1	0.04	0.04	0.04	0.04	3.92	ppb
Silver	107-1	0.04	0.04	0.06	0.05	19.49	ppb
Sodium	23-2	74.81	78.02	72.19	75.01	3.90	ppb
Strontium	86-1	0.12	0.06	-0.04	0.05	167.57	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	114.31	ppb
Sulfur	34-1	-12978.61	-11782.97	-11725.73	-12162.44		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	0.03	0.04	0.03	0.03	18.82	ppb
Thallium	205-1	0.04	0.02	0.05	0.04	30.89	ppb
Tin	118-1	0.02	0.00	0.04	0.02	120.59	ppb
Titanium	47-1	-0.14	0.09	-0.08	-0.04		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.02	0.01	-0.01	-0.01		ppb
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	0.24	0.17	0.44	0.28	50.52	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BL	Instrumnet Name :	P8
Client Sample ID :	PB118437BL	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:07:27	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.02	0.00	0.00	234.55	ppb
Zirconium	91-1	0.03	0.02	0.00	0.01	109.22	ppb

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : PB118437BS Instrumnet Name : P8
 Client Sample ID : PB118437BS Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 18:10:57 DataFile Name : 025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9484.68	9544.57	9504.79	9511.35	0.32	ppb
Antimony	121-1	507.14	513.28	511.51	510.65	0.62	ppb
Arsenic	75-2	498.86	500.11	494.60	497.85	0.58	ppb
Barium	135-1	2539.01	2585.99	2556.86	2560.62	0.93	ppb
Barium	137-1	2551.46	2554.85	2588.97	2565.09	0.81	ppb
Beryllium	9-1	498.07	497.71	504.75	500.18	0.79	ppb
Bismuth	209-1				114		%
Bismuth	209-2				108		%
Boron	10-1	492.58	503.56	517.37	504.50	2.46	ppb
Boron	11-1	491.64	504.77	507.83	501.41	1.71	ppb
Cadmium	111-1	511.18	509.43	516.07	512.23	0.67	ppb
Cadmium	106-1	510.11	505.04	511.51	508.89	0.67	ppb
Cadmium	108-1	512.10	513.92	526.25	517.42	1.49	ppb
Calcium	43-1	48258.29	48364.59	47918.11	48180.33	0.48	ppb
Calcium	44-1	47665.64	48020.97	47549.79	47745.47	0.51	ppb
Chromium	52-2	510.09	504.55	508.77	507.80	0.57	ppb
Cobalt	59-2	511.95	506.29	511.46	509.90	0.61	ppb
Copper	63-2	1019.63	995.34	1019.33	1011.43	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				114		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				101		%
Iron	56-2	24972.94	24792.89	24704.25	24823.36	0.55	ppb
Iron	57-2	25026.62	24489.42	24823.22	24779.76	1.09	ppb
Krypton	83-1						cps
Lead	206-1	488.60	492.77	495.07	492.15	0.67	ppb
Lead	207-1	488.28	489.87	492.41	490.19	0.43	ppb
Lead	208-1	494.18	492.87	492.96	493.34	0.15	ppb
Lithium	6-1				104		%
Magnesium	24-2	52558.50	50944.86	51793.08	51765.48	1.56	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BS	Instrumnet Name :	P8
Client Sample ID :	PB118437BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:10:57	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1024.76	1009.60	1013.91	1016.09	0.77	ppb
Molybdenum	94-1	2478.98	2548.73	2600.42	2542.71	2.40	ppb
Molybdenum	95-1	2490.20	2521.03	2585.09	2532.11	1.91	ppb
Molybdenum	96-1	2467.77	2533.48	2493.30	2498.18	1.33	ppb
Molybdenum	97-1	2460.14	2504.34	2540.25	2501.57	1.60	ppb
Molybdenum	98-1	2438.12	2493.35	2559.28	2496.92	2.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	505.48	503.68	509.21	506.12	0.56	ppb
Phosphorus	31-2	10323.57	10345.07	9715.64	10128.09	3.53	ppb
Potassium	39-2	24371.80	23989.73	24267.78	24209.77	0.82	ppb
Rhodium	103-1				106		%
Rhodium	103-2				101		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	77-2	570.08	502.53	501.52	524.71	7.49	ppb
Selenium	78-2	476.89	523.90	510.20	503.66	4.80	ppb
Selenium	82-1	480.59	492.25	504.49	492.44	2.43	ppb
Silicon	28-1	651.71	486.21	467.62	535.18	18.94	ppb
Silver	109-1	514.58	511.78	520.86	515.74	0.90	ppb
Silver	107-1	523.12	517.10	524.65	521.63	0.76	ppb
Sodium	23-2	51426.63	50779.39	50917.21	51041.07	0.67	ppb
Strontium	86-1	484.87	491.71	510.41	495.66	2.67	ppb
Strontium	88-1	492.31	492.00	511.52	498.61	2.24	ppb
Sulfur	34-1	6244.12	4488.99	4190.55	4974.55	22.30	ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	489.73	493.77	497.98	493.83	0.84	ppb
Thallium	205-1	500.60	500.47	505.37	502.14	0.56	ppb
Tin	118-1	509.88	506.31	517.47	511.22	1.12	ppb
Titanium	47-1	2510.15	2516.66	2484.51	2503.77	0.68	ppb
Uranium	238-1	488.72	493.46	487.56	489.91	0.64	ppb
Vanadium	51-2	507.22	500.66	507.76	505.22	0.78	ppb
Yttrium	89-1				108		%
Yttrium	89-2				103		%
Zinc	66-2	1024.07	1003.76	1012.68	1013.51	1.00	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BS	Instrumnet Name :	P8
Client Sample ID :	PB118437BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:10:57	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	494.33	506.91	515.18	505.47	2.08	ppb
Zirconium	91-1	495.31	504.69	508.63	502.87	1.36	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:18:03	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51647.70	52158.35	53209.57	52338.54	1.52	ppb
Antimony	121-1	512.95	512.17	517.45	514.19	0.55	ppb
Arsenic	75-2	498.88	501.62	511.16	503.89	1.28	ppb
Barium	135-1	2567.73	2580.98	2583.15	2577.29	0.32	ppb
Barium	137-1	2644.58	2591.83	2630.99	2622.47	1.04	ppb
Beryllium	9-1	492.96	495.79	495.86	494.87	0.33	ppb
Bismuth	209-1				114		%
Bismuth	209-2				110		%
Boron	10-1	491.78	497.55	519.75	503.03	2.94	ppb
Boron	11-1	490.79	500.68	508.37	499.95	1.76	ppb
Cadmium	111-1	514.40	500.53	510.70	508.54	1.41	ppb
Cadmium	106-1	513.24	497.20	509.01	506.48	1.64	ppb
Cadmium	108-1	513.20	503.55	520.92	512.55	1.70	ppb
Calcium	43-1	235917.85	236473.53	230255.01	234215.46	1.47	ppb
Calcium	44-1	231727.78	236137.03	232809.03	233557.95	0.98	ppb
Chromium	52-2	510.79	514.86	528.35	518.00	1.77	ppb
Cobalt	59-2	509.09	516.84	524.26	516.73	1.47	ppb
Copper	63-2	1016.79	1031.40	1054.37	1034.18	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				115		%
Holmium	165-2				114		%
Indium	115-1				107		%
Indium	115-2				103		%
Iron	56-2	122886.91	124182.05	126418.38	124495.78	1.44	ppb
Iron	57-2	124511.44	125699.16	128476.38	126228.99	1.61	ppb
Krypton	83-1						cps
Lead	206-1	510.18	510.70	512.63	511.17	0.25	ppb
Lead	207-1	501.81	510.84	503.99	505.55	0.93	ppb
Lead	208-1	509.41	517.27	508.17	511.62	0.96	ppb
Lithium	6-1				112		%
Magnesium	24-2	244777.36	246019.04	252142.71	247646.37	1.59	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:18:03	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1012.25	1034.03	1043.79	1030.02	1.57	ppb
Molybdenum	94-1	2539.11	2576.93	2637.95	2584.66	1.93	ppb
Molybdenum	95-1	2526.68	2562.17	2616.50	2568.45	1.76	ppb
Molybdenum	96-1	2507.78	2598.01	2622.11	2575.97	2.34	ppb
Molybdenum	97-1	2534.91	2560.20	2602.34	2565.82	1.33	ppb
Molybdenum	98-1	2507.41	2549.16	2588.84	2548.47	1.60	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	505.13	509.83	519.79	511.58	1.46	ppb
Phosphorus	31-2	10383.36	9940.37	10825.75	10383.16	4.26	ppb
Potassium	39-2	122459.58	123730.50	125450.99	123880.36	1.21	ppb
Rhodium	103-1				105		%
Rhodium	103-2				101		%
Scandium	45-1				109		%
Scandium	45-2				102		%
Selenium	77-2	548.88	476.08	635.20	553.39	14.39	ppb
Selenium	78-2	555.63	566.91	539.27	553.94	2.51	ppb
Selenium	82-1	525.44	534.36	524.61	528.14	1.02	ppb
Silicon	28-1	558.53	553.80	538.81	550.38	1.87	ppb
Silver	109-1	516.42	499.87	515.44	510.58	1.82	ppb
Silver	107-1	520.72	506.65	514.90	514.09	1.38	ppb
Sodium	23-2	245930.89	247074.37	251438.79	248148.01	1.17	ppb
Strontium	86-1	506.93	508.08	510.81	508.61	0.39	ppb
Strontium	88-1	505.44	510.56	507.71	507.91	0.51	ppb
Sulfur	34-1	5236.75	4956.13	4813.51	5002.13	4.30	ppb
Terbium	159-1				114		%
Terbium	159-2				112		%
Thallium	203-1	507.31	502.04	511.13	506.83	0.90	ppb
Thallium	205-1	517.27	521.57	511.02	516.62	1.03	ppb
Tin	118-1	509.64	500.86	515.22	508.57	1.42	ppb
Titanium	47-1	2516.07	2562.71	2560.71	2546.50	1.04	ppb
Uranium	238-1	536.67	531.55	530.24	532.82	0.64	ppb
Vanadium	51-2	512.51	518.98	530.70	520.73	1.77	ppb
Yttrium	89-1				110		%
Yttrium	89-2				106		%
Zinc	66-2	1033.31	1060.52	1084.93	1059.59	2.44	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:18:03	DataFile Name :	027CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	519.56	524.58	523.20	522.45	0.50	ppb
Zirconium	91-1	510.68	518.26	525.61	518.18	1.44	ppb

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : CCB55 Instrumnet Name : P8
 Client Sample ID : CCB55 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 18:22:51 DataFile Name : 028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.11	1.08	0.79	0.25	471.62	ppb
Antimony	121-1	0.19	0.21	0.19	0.20	7.05	ppb
Arsenic	75-2	0.06	0.02	0.04	0.04	40.66	ppb
Barium	135-1	0.01	-0.02	0.01	0.00		ppb
Barium	137-1	-0.02	0.00	-0.02	-0.01		ppb
Beryllium	9-1	0.06	0.06	0.05	0.05	6.01	ppb
Bismuth	209-1				114		%
Bismuth	209-2				110		%
Boron	10-1	9.21	9.43	8.97	9.20	2.50	ppb
Boron	11-1	10.50	9.94	9.70	10.05	4.08	ppb
Cadmium	111-1	-0.01	-0.07	-0.12	-0.07		ppb
Cadmium	106-1	-0.28	-0.92	-1.53	-0.91		ppb
Cadmium	108-1	-0.01	0.18	0.18	0.12	92.07	ppb
Calcium	43-1	-2.37	-2.80	-2.67	-2.61		ppb
Calcium	44-1	-0.49	-1.42	0.01	-0.63		ppb
Chromium	52-2	-0.08	0.07	-0.12	-0.04		ppb
Cobalt	59-2	0.01	-0.01	-0.01	0.00		ppb
Copper	63-2	0.30	0.26	0.26	0.27	9.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				110		%
Indium	115-1				109		%
Indium	115-2				106		%
Iron	56-2	0.48	0.38	0.47	0.44	12.11	ppb
Iron	57-2	-1.23	-1.35	-0.29	-0.96		ppb
Krypton	83-1						cps
Lead	206-1	0.25	0.31	0.31	0.29	11.95	ppb
Lead	207-1	0.32	0.27	0.31	0.30	8.83	ppb
Lead	208-1	0.31	0.31	0.32	0.31	1.98	ppb
Lithium	6-1				111		%
Magnesium	24-2	3.67	4.68	3.53	3.96	15.88	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB55	Instrumnet Name :	P8
Client Sample ID :	CCB55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:22:51	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	-0.05	0.06	0.00	5167.15	ppb
Molybdenum	94-1	0.21	0.17	0.21	0.20	9.85	ppb
Molybdenum	95-1	0.15	0.13	0.13	0.14	9.20	ppb
Molybdenum	96-1	0.14	0.12	0.16	0.14	13.37	ppb
Molybdenum	97-1	0.12	0.07	0.15	0.11	38.83	ppb
Molybdenum	98-1	0.13	0.13	0.10	0.12	15.19	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.08	-0.01	0.04	-0.02		ppb
Phosphorus	31-2	-50.22	-29.36	-8.73	-29.44		ppb
Potassium	39-2	25.91	23.15	23.45	24.17	6.26	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				103		%
Selenium	77-2	-6.04	-6.04	-6.04	-6.04		ppb
Selenium	78-2	0.31	-0.25	0.86	0.31	178.84	ppb
Selenium	82-1	-0.49	1.11	1.46	0.69	150.38	ppb
Silicon	28-1	15.48	14.86	50.22	26.85	75.38	ppb
Silver	109-1	0.11	0.11	0.10	0.11	7.41	ppb
Silver	107-1	0.08	0.10	0.10	0.09	14.35	ppb
Sodium	23-2	173.53	179.84	168.71	174.03	3.20	ppb
Strontium	86-1	0.01	0.01	0.01	0.01	36.09	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-12992.30	-13019.54	-12453.06	-12821.63		ppb
Terbium	159-1				111		%
Terbium	159-2				110		%
Thallium	203-1	0.02	0.04	0.01	0.02	58.47	ppb
Thallium	205-1	0.01	0.02	0.01	0.02	20.37	ppb
Tin	118-1	0.12	0.08	0.04	0.08	52.69	ppb
Titanium	47-1	-0.01	0.05	-0.04	0.00		ppb
Uranium	238-1	0.00	0.00	-0.01	0.00		ppb
Vanadium	51-2	-0.02	-0.01	-0.03	-0.02		ppb
Yttrium	89-1				109		%
Yttrium	89-2				106		%
Zinc	66-2	0.12	0.27	0.40	0.26	53.54	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB55	Instrumnet Name :	P8
Client Sample ID :	CCB55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:22:51	DataFile Name :	028CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	-0.01	-0.01	-0.01		ppb
Zirconium	91-1	0.06	0.04	0.02	0.04	46.50	ppb

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:31:14	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	53	58	63	58	8.70	cps
Antimony	121-1	58	58	58	58	0.00	cps
Arsenic	75-2	9	19	11	13	37.80	cps
Barium	135-1	25	33	42	33	25.01	cps
Barium	137-1	25	50	58	44	39.04	cps
Beryllium	9-1	80	107	60	82	28.48	cps
Bismuth	209-1	1895923	1908461	1881426	1895270	0.71	cps
Bismuth	209-2	1065222	1104242	1076452	1081972	1.86	cps
Boron	10-1	308	267	300	292	7.56	cps
Boron	11-1	1250	1108	1000	1120	11.20	cps
Cadmium	111-1	614	753	738	702	10.89	cps
Cadmium	106-1	875	1067	1042	995	10.48	cps
Cadmium	108-1	4	8	0	4	99.96	cps
Calcium	43-1	507	567	480	518	8.57	cps
Calcium	44-1	32274	32551	32651	32492	0.60	cps
Chromium	52-2	1363	1497	1417	1426	4.71	cps
Cobalt	59-2	93	90	93	92	2.09	cps
Copper	63-2	277	340	300	306	10.48	cps
Dysprosium	156-1	0	17	33	17	99.99	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	58	0	50	36	87.37	cps
Erbium	164-2	7	3	0	3	100.05	cps
Gadolinium	160-1	58	33	42	44	28.65	cps
Gadolinium	160-2	3	3	13	7	86.65	cps
Holmium	165-1	3288309	3248698	3211754	3249587	1.18	cps
Holmium	165-2	1444104	1501175	1447721	1464333	2.18	cps
Indium	115-1	3234175	3269068	3297955	3267066	0.98	cps
Indium	115-2	322957	336452	326493	328634	2.13	cps
Iron	56-2	3239	3162	3156	3186	1.46	cps
Iron	57-2	122	106	106	111	8.66	cps
Krypton	83-1	513	633	533	560	11.48	cps
Lead	206-1	306	328	300	311	4.72	cps
Lead	207-1	250	306	222	259	16.37	cps
Lead	208-1	1028	1256	1200	1161	10.23	cps
Lithium	6-1	1327251	1356403	1361902	1348519	1.38	cps
Magnesium	24-2	492	417	375	428	13.82	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:31:14	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	73	40	53	56	30.20	cps
Molybdenum	94-1	92	108	83	94	13.48	cps
Molybdenum	95-1	58	83	42	61	34.32	cps
Molybdenum	96-1	92	50	58	67	33.07	cps
Molybdenum	97-1	33	83	75	64	41.93	cps
Molybdenum	98-1	108	83	83	92	15.74	cps
Neodymium	150-1	7	0	13	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	70	53	90	71	25.82	cps
Phosphorus	31-2	0	25	25	17	86.60	cps
Potassium	39-2	7019	6927	7194	7047	1.92	cps
Rhodium	103-1	3367138	3299916	3355088	3340714	1.07	cps
Rhodium	103-2	1436496	1485385	1443111	1454997	1.82	cps
Scandium	45-1	2963428	2933380	2960090	2952299	0.56	cps
Scandium	45-2	45594	48069	47229	46964	2.68	cps
Selenium	77-2	7	7	3	6	34.70	cps
Selenium	78-2	6	0	2	2	114.63	cps
Selenium	82-1	31	-102	-17	-30	-228.85	cps
Silicon	28-1	15174509	15207489	15159882	15180627	0.16	cps
Silver	109-1	133	92	100	108	20.35	cps
Silver	107-1	158	142	125	142	11.76	cps
Sodium	23-2	9328	10396	10229	9985	5.75	cps
Strontium	86-1	675	867	683	742	14.61	cps
Strontium	88-1	67	58	50	58	14.29	cps
Sulfur	34-1	603904	599397	606651	603317	0.61	cps
Terbium	159-1	3551719	3505536	3542107	3533120	0.69	cps
Terbium	159-2	1495011	1527184	1495232	1505809	1.23	cps
Thallium	203-1	58	58	25	47	40.76	cps
Thallium	205-1	58	42	50	50	16.67	cps
Tin	118-1	183	233	250	222	15.61	cps
Titanium	47-1	133	183	208	175	21.82	cps
Uranium	238-1	50	42	50	47	10.18	cps
Vanadium	51-2	23	30	20	24	20.83	cps
Yttrium	89-1	3949444	3956719	3922628	3942930	0.46	cps
Yttrium	89-2	254750	265628	259454	259944	2.10	cps
Zinc	66-2	13	10	43	22	82.62	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:31:14	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	325	333	333	331	1.46	cps
Zirconium	91-1	83	58	33	58	42.85	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:39:03	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	253	250	238	9.40	cps
Antimony	121-1	6577	6535	7286	6799	6.20	cps
Arsenic	75-2	109	111	100	107	5.57	cps
Barium	135-1	6535	7377	6952	6955	6.05	cps
Barium	137-1	11414	11322	12031	11589	3.33	cps
Beryllium	9-1	1333	1410	1543	1429	7.44	cps
Bismuth	209-1	1891784	1877282	1715443	1828170	5.35	cps
Bismuth	209-2	1081370	1065436	1037701	1061502	2.08	cps
Boron	10-1	4126	4409	4259	4265	3.32	cps
Boron	11-1	19464	20173	20374	20004	2.39	cps
Cadmium	111-1	1553	1583	1513	1550	2.24	cps
Cadmium	106-1	1158	1100	1042	1100	5.30	cps
Cadmium	108-1	83	83	58	75	19.24	cps
Calcium	43-1	6338	6211	6365	6305	1.30	cps
Calcium	44-1	127203	127458	128925	127862	0.73	cps
Chromium	52-2	3100	3117	3154	3124	0.87	cps
Cobalt	59-2	1437	1597	1327	1453	9.34	cps
Copper	63-2	2757	2614	2584	2651	3.49	cps
Dysprosium	156-1	25	33	17	25	33.34	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	8	33	17	19	65.47	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	17	8	42	22	78.07	cps
Gadolinium	160-2	0	7	3	3	100.05	cps
Holmium	165-1	3244054	3195457	2953939	3131150	4.96	cps
Holmium	165-2	1454759	1419700	1399324	1424594	1.97	cps
Indium	115-1	3165637	3183181	2919885	3089568	4.76	cps
Indium	115-2	325306	320848	306346	317500	3.12	cps
Iron	56-2	32299	32227	32015	32180	0.46	cps
Iron	57-2	850	906	856	870	3.52	cps
Krypton	83-1	550	617	517	561	9.07	cps
Lead	206-1	1639	1839	1695	1724	5.99	cps
Lead	207-1	1467	1411	1483	1454	2.60	cps
Lead	208-1	7073	7068	7157	7099	0.70	cps
Lithium	6-1	1320292	1306484	1200316	1275697	5.15	cps
Magnesium	24-2	19114	18813	19247	19058	1.17	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:39:03	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	283	360	377	340	14.64	cps
Molybdenum	94-1	6443	6218	6802	6488	4.54	cps
Molybdenum	95-1	8236	7861	8478	8192	3.80	cps
Molybdenum	96-1	9345	9387	9345	9359	0.26	cps
Molybdenum	97-1	5293	5043	5176	5171	2.42	cps
Molybdenum	98-1	13557	13182	13407	13382	1.41	cps
Neodymium	150-1	20	0	13	11	91.66	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	533	567	497	532	6.58	cps
Phosphorus	31-2	42	133	8	61	105.92	cps
Potassium	39-2	18405	18154	18062	18207	0.97	cps
Rhodium	103-1	3280758	3289493	3100928	3223727	3.30	cps
Rhodium	103-2	1452147	1427957	1377515	1419207	2.68	cps
Scandium	45-1	2917992	2930606	2756257	2868285	3.39	cps
Scandium	45-2	47814	46627	44868	46437	3.19	cps
Selenium	77-2	10	0	7	6	91.64	cps
Selenium	78-2	15	24	15	18	29.87	cps
Selenium	82-1	383	267	390	347	19.86	cps
Silicon	28-1	15079635	15060229	15096370	15078744	0.12	cps
Silver	109-1	4301	4193	4276	4256	1.33	cps
Silver	107-1	4851	4551	4193	4532	7.28	cps
Sodium	23-2	50942	51252	51184	51126	0.32	cps
Strontium	86-1	2175	1667	1900	1914	13.30	cps
Strontium	88-1	9354	8970	9279	9201	2.21	cps
Sulfur	34-1	620150	616257	622036	619481	0.48	cps
Terbium	159-1	3432836	3477909	3163936	3358227	5.06	cps
Terbium	159-2	1511899	1478492	1446360	1478917	2.22	cps
Thallium	203-1	1784	2017	1742	1847	8.02	cps
Thallium	205-1	4568	4668	4368	4534	3.37	cps
Tin	118-1	11180	12315	11622	11706	4.88	cps
Titanium	47-1	3384	3434	3276	3364	2.41	cps
Uranium	238-1	5768	5818	5568	5718	2.32	cps
Vanadium	51-2	2967	2820	3077	2955	4.36	cps
Yttrium	89-1	3889759	3899902	3620208	3803290	4.17	cps
Yttrium	89-2	259962	253338	247007	253436	2.56	cps
Zinc	66-2	337	283	277	299	11.00	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:39:03	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5476	5385	5368	5410	1.08	cps
Zirconium	91-1	1242	1300	1117	1220	7.68	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:42:57 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9063	9093	9481	9212	2.53	cps
Antimony	121-1	179661	178868	179805	179445	0.28	cps
Arsenic	75-2	5381	5421	5325	5376	0.90	cps
Barium	135-1	175358	176176	178391	176642	0.89	cps
Barium	137-1	305539	311111	305302	307318	1.07	cps
Beryllium	9-1	72287	73111	71315	72238	1.24	cps
Bismuth	209-1	1962953	1957833	1986102	1968963	0.76	cps
Bismuth	209-2	1083164	1080098	1082191	1081817	0.14	cps
Boron	10-1	8986	9037	8486	8836	3.44	cps
Boron	11-1	42363	43266	43559	43063	1.45	cps
Cadmium	111-1	44498	43804	45149	44484	1.51	cps
Cadmium	106-1	5418	5460	5643	5507	2.17	cps
Cadmium	108-1	3234	3150	3071	3152	2.58	cps
Calcium	43-1	63888	63419	63118	63475	0.61	cps
Calcium	44-1	1065749	1061441	1071759	1066316	0.49	cps
Chromium	52-2	41930	41034	42394	41786	1.66	cps
Cobalt	59-2	73825	73570	74686	74027	0.79	cps
Copper	63-2	124334	123016	124122	123824	0.57	cps
Dysprosium	156-1	17	8	17	14	34.67	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	17	17	8	14	34.67	cps
Erbium	164-2	10	0	7	6	91.64	cps
Gadolinium	160-1	25	75	25	42	69.28	cps
Gadolinium	160-2	0	10	10	7	86.60	cps
Holmium	165-1	3372753	3300662	3349636	3341017	1.10	cps
Holmium	165-2	1458537	1459390	1482914	1466947	0.94	cps
Indium	115-1	3344831	3200317	3271150	3272099	2.21	cps
Indium	115-2	323844	320121	325944	323303	0.91	cps
Iron	56-2	1480786	1465236	1497524	1481182	1.09	cps
Iron	57-2	36766	36387	36593	36582	0.52	cps
Krypton	83-1	500	523	583	536	8.03	cps
Lead	206-1	82120	82450	81494	82021	0.59	cps
Lead	207-1	72976	73132	72523	72877	0.43	cps
Lead	208-1	328439	331154	328058	329217	0.51	cps
Lithium	6-1	1401474	1368018	1338349	1369281	2.31	cps
Magnesium	24-2	195450	194082	193137	194223	0.60	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:42:57	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	27180	27364	27274	27272	0.34	cps
Molybdenum	94-1	359170	362031	357227	359476	0.67	cps
Molybdenum	95-1	449147	448511	450327	449328	0.21	cps
Molybdenum	96-1	499835	494879	489431	494715	1.05	cps
Molybdenum	97-1	274533	277658	277255	276482	0.61	cps
Molybdenum	98-1	701276	713122	707008	707135	0.84	cps
Neodymium	150-1	27	7	33	22	62.43	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	21951	22602	21751	22101	2.01	cps
Phosphorus	31-2	733	850	767	783	7.67	cps
Potassium	39-2	64315	65536	63603	64485	1.52	cps
Rhodium	103-1	3391842	3341664	3407482	3380330	1.02	cps
Rhodium	103-2	1431596	1425057	1435403	1430685	0.37	cps
Scandium	45-1	3053577	3004790	3079718	3046028	1.25	cps
Scandium	45-2	45337	46169	46353	45953	1.18	cps
Selenium	77-2	67	57	53	59	11.79	cps
Selenium	78-2	154	163	128	148	12.31	cps
Selenium	82-1	3451	3287	3428	3389	2.62	cps
Silicon	28-1	15137202	15218074	15195891	15183722	0.28	cps
Silver	109-1	195907	203294	198683	199295	1.87	cps
Silver	107-1	208668	209084	209203	208985	0.13	cps
Sodium	23-2	443545	445027	448809	445793	0.61	cps
Strontium	86-1	65014	64829	65315	65053	0.38	cps
Strontium	88-1	548078	552667	557625	552790	0.86	cps
Sulfur	34-1	638503	636347	628059	634303	0.87	cps
Terbium	159-1	3632423	3562164	3636050	3610212	1.15	cps
Terbium	159-2	1507427	1516866	1519940	1514744	0.43	cps
Thallium	203-1	101512	102320	103244	102358	0.85	cps
Thallium	205-1	243404	243744	243314	243487	0.09	cps
Tin	118-1	121853	117057	120370	119760	2.05	cps
Titanium	47-1	156188	156184	157326	156566	0.42	cps
Uranium	238-1	292026	295302	292580	293303	0.60	cps
Vanadium	51-2	29498	29107	29354	29320	0.67	cps
Yttrium	89-1	4067427	3963359	4021505	4017431	1.30	cps
Yttrium	89-2	254301	257204	259877	257127	1.08	cps
Zinc	66-2	14631	14731	15042	14801	1.45	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:42:57	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	286682	288002	287750	287478	0.24	cps
Zirconium	91-1	64395	63490	62503	63463	1.49	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:46:51	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22741	22499	22832	22691	0.76	cps
Antimony	121-1	476266	477645	475376	476429	0.24	cps
Arsenic	75-2	13323	13586	13610	13507	1.18	cps
Barium	135-1	465826	465029	469841	466899	0.55	cps
Barium	137-1	811022	801717	817160	809966	0.96	cps
Beryllium	9-1	185280	187035	190182	187499	1.32	cps
Bismuth	209-1	2025798	2066174	2035680	2042551	1.03	cps
Bismuth	209-2	1112324	1121263	1124548	1119378	0.57	cps
Boron	10-1	21909	22260	22694	22288	1.76	cps
Boron	11-1	107191	109827	110282	109100	1.53	cps
Cadmium	111-1	114106	115880	114684	114890	0.79	cps
Cadmium	106-1	13107	13649	12757	13171	3.41	cps
Cadmium	108-1	8069	8261	8224	8185	1.24	cps
Calcium	43-1	160035	160215	160547	160266	0.16	cps
Calcium	44-1	2703870	2645091	2678388	2675783	1.10	cps
Chromium	52-2	101259	103556	100749	101855	1.47	cps
Cobalt	59-2	186139	186479	188814	187144	0.78	cps
Copper	63-2	308696	309734	308499	308977	0.21	cps
Dysprosium	156-1	25	8	17	17	50.01	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	33	8	22	57.29	cps
Erbium	164-2	7	0	0	2	173.21	cps
Gadolinium	160-1	67	50	33	50	33.34	cps
Gadolinium	160-2	10	17	3	10	66.70	cps
Holmium	165-1	3429823	3453456	3504051	3462443	1.10	cps
Holmium	165-2	1506591	1527443	1505332	1513122	0.82	cps
Indium	115-1	3327715	3337444	3363383	3342847	0.55	cps
Indium	115-2	321513	325405	324755	323891	0.64	cps
Iron	56-2	3642452	3712039	3635265	3663252	1.16	cps
Iron	57-2	90430	91594	90543	90856	0.71	cps
Krypton	83-1	550	570	517	546	4.94	cps
Lead	206-1	216353	219418	221450	219074	1.17	cps
Lead	207-1	190529	197506	198900	195645	2.29	cps
Lead	208-1	866173	890536	888967	881892	1.55	cps
Lithium	6-1	1414644	1381976	1409607	1402076	1.25	cps
Magnesium	24-2	480318	484809	478478	481201	0.68	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:46:51	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	67442	68406	67037	67628	1.04	cps
Molybdenum	94-1	932600	930497	927089	930062	0.30	cps
Molybdenum	95-1	1164070	1163451	1164632	1164051	0.05	cps
Molybdenum	96-1	1288548	1281149	1289879	1286525	0.37	cps
Molybdenum	97-1	723841	725522	719915	723093	0.40	cps
Molybdenum	98-1	1879117	1868448	1878590	1875385	0.32	cps
Neodymium	150-1	33	33	47	38	20.39	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	55336	54827	55172	55112	0.47	cps
Phosphorus	31-2	1917	1942	1817	1892	3.50	cps
Potassium	39-2	153386	152923	149790	152033	1.29	cps
Rhodium	103-1	3445092	3471676	3469303	3462024	0.42	cps
Rhodium	103-2	1436173	1447649	1445056	1442959	0.42	cps
Scandium	45-1	3066064	3023685	3072938	3054229	0.87	cps
Scandium	45-2	45838	46052	45437	45776	0.68	cps
Selenium	77-2	97	127	107	110	13.89	cps
Selenium	78-2	430	430	420	427	1.25	cps
Selenium	82-1	8738	8684	8846	8756	0.94	cps
Silicon	28-1	15658003	15656789	15762763	15692518	0.39	cps
Silver	109-1	511854	507471	516757	512027	0.91	cps
Silver	107-1	538028	539986	546809	541608	0.85	cps
Sodium	23-2	1098171	1093518	1107228	1099639	0.63	cps
Strontium	86-1	166970	167249	168613	167611	0.52	cps
Strontium	88-1	1393197	1419503	1447075	1419925	1.90	cps
Sulfur	34-1	663786	666293	666425	665501	0.22	cps
Terbium	159-1	3675348	3776705	3815110	3755721	1.92	cps
Terbium	159-2	1537070	1592655	1554553	1561426	1.82	cps
Thallium	203-1	272496	272106	278219	274273	1.25	cps
Thallium	205-1	650146	653320	661394	654953	0.89	cps
Tin	118-1	316216	311695	318596	315502	1.11	cps
Titanium	47-1	396769	397319	398211	397433	0.18	cps
Uranium	238-1	779721	786780	794495	786999	0.94	cps
Vanadium	51-2	72671	74534	73022	73409	1.35	cps
Yttrium	89-1	3979403	4059926	4129245	4056191	1.85	cps
Yttrium	89-2	257775	260572	260146	259498	0.58	cps
Zinc	66-2	36495	37805	36816	37038	1.84	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:46:51	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	744349	753300	760735	752795	1.09	cps
Zirconium	91-1	167555	165127	166709	166463	0.74	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:50:41 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	45198	45300	44826	45108	0.55	cps
Antimony	121-1	950301	966435	941878	952871	1.31	cps
Arsenic	75-2	27078	27058	27353	27163	0.61	cps
Barium	135-1	933501	955627	922856	937328	1.78	cps
Barium	137-1	1628615	1658232	1556885	1614577	3.23	cps
Beryllium	9-1	369340	375682	360187	368403	2.11	cps
Bismuth	209-1	2140530	2135194	2108377	2128033	0.81	cps
Bismuth	209-2	1147343	1152250	1158885	1152826	0.50	cps
Boron	10-1	42999	45683	45139	44607	3.18	cps
Boron	11-1	215479	217770	214150	215800	0.85	cps
Cadmium	111-1	227498	233441	228025	229654	1.43	cps
Cadmium	106-1	25283	25175	25133	25197	0.31	cps
Cadmium	108-1	16590	16811	16035	16478	2.43	cps
Calcium	43-1	313060	323326	310253	315546	2.18	cps
Calcium	44-1	5103265	5236175	5035850	5125097	1.99	cps
Chromium	52-2	200890	198797	200609	200099	0.57	cps
Cobalt	59-2	365648	368164	369736	367850	0.56	cps
Copper	63-2	607700	606867	610648	608405	0.33	cps
Dysprosium	156-1	33	33	8	25	57.75	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	33	8	19	65.47	cps
Erbium	164-2	7	20	0	9	114.55	cps
Gadolinium	160-1	25	58	83	56	52.68	cps
Gadolinium	160-2	7	10	13	10	33.30	cps
Holmium	165-1	3531883	3629872	3582263	3581339	1.37	cps
Holmium	165-2	1535417	1535750	1551261	1540810	0.59	cps
Indium	115-1	3358710	3433603	3325434	3372583	1.64	cps
Indium	115-2	326391	320560	324061	323671	0.91	cps
Iron	56-2	7130451	7094956	7160395	7128600	0.46	cps
Iron	57-2	177690	179759	180908	179452	0.91	cps
Krypton	83-1	577	510	613	567	9.25	cps
Lead	206-1	433833	453912	436960	441568	2.45	cps
Lead	207-1	390131	403323	395669	396374	1.67	cps
Lead	208-1	1778930	1826895	1775846	1793890	1.60	cps
Lithium	6-1	1400051	1434699	1405285	1413345	1.32	cps
Magnesium	24-2	934819	938215	939425	937486	0.25	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:50:41	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	133558	132484	134435	133492	0.73	cps
Molybdenum	94-1	1868402	1908548	1868281	1881744	1.23	cps
Molybdenum	95-1	2304721	2392898	2324112	2340577	1.98	cps
Molybdenum	96-1	2582182	2661914	2539837	2594644	2.39	cps
Molybdenum	97-1	1427101	1447888	1410412	1428467	1.31	cps
Molybdenum	98-1	3671674	3728555	3694663	3698297	0.77	cps
Neodymium	150-1	40	47	13	33	52.92	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	107521	109701	108535	108586	1.00	cps
Phosphorus	31-2	3767	3809	4034	3870	3.71	cps
Potassium	39-2	291741	288134	290389	290088	0.63	cps
Rhodium	103-1	3437252	3447610	3381998	3422286	1.03	cps
Rhodium	103-2	1437556	1446144	1447277	1443659	0.37	cps
Scandium	45-1	3005137	3048692	2983499	3012443	1.10	cps
Scandium	45-2	45363	46350	45460	45724	1.19	cps
Selenium	77-2	270	217	240	242	11.04	cps
Selenium	78-2	839	865	789	831	4.65	cps
Selenium	82-1	17346	18023	17178	17516	2.55	cps
Silicon	28-1	16033499	16143340	16099694	16092178	0.34	cps
Silver	109-1	1019824	1036016	1015870	1023903	1.04	cps
Silver	107-1	1061393	1101616	1071661	1078224	1.94	cps
Sodium	23-2	2183385	2165241	2188085	2178904	0.55	cps
Strontium	86-1	328484	338262	327252	331333	1.82	cps
Strontium	88-1	2811281	2821450	2800724	2811152	0.37	cps
Sulfur	34-1	692766	695103	679651	689173	1.21	cps
Terbium	159-1	3812015	3874521	3809208	3831915	0.96	cps
Terbium	159-2	1593247	1605732	1585434	1594804	0.64	cps
Thallium	203-1	558888	557720	558280	558296	0.10	cps
Thallium	205-1	1316532	1344147	1311839	1324173	1.32	cps
Tin	118-1	626735	629968	622885	626529	0.57	cps
Titanium	47-1	771877	793371	774018	779755	1.52	cps
Uranium	238-1	1674863	1699887	1649249	1674666	1.51	cps
Vanadium	51-2	147154	146210	145369	146244	0.61	cps
Yttrium	89-1	4098297	4126928	4001966	4075730	1.61	cps
Yttrium	89-2	257529	258771	256130	257477	0.51	cps
Zinc	66-2	73179	72957	73168	73101	0.17	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:50:41	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1499700	1529217	1492169	1507029	1.30	cps
Zirconium	91-1	325858	333860	322921	327546	1.73	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:54:25 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	87141	88864	88781	88262	1.10	cps
Antimony	121-1	1991215	2013221	1940327	1981587	1.89	cps
Arsenic	75-2	53630	53958	53737	53775	0.31	cps
Barium	135-1	1951627	1948645	1919548	1939940	0.91	cps
Barium	137-1	3345695	3368876	3310292	3341621	0.88	cps
Beryllium	9-1	733722	742633	717449	731268	1.75	cps
Bismuth	209-1	2158177	2244322	2097860	2166786	3.40	cps
Bismuth	209-2	1147538	1147383	1154034	1149652	0.33	cps
Boron	10-1	88414	90469	86561	88481	2.21	cps
Boron	11-1	427908	437966	426248	430708	1.47	cps
Cadmium	111-1	463383	469199	457317	463300	1.28	cps
Cadmium	106-1	49149	51123	49617	49963	2.06	cps
Cadmium	108-1	32548	33797	32001	32782	2.81	cps
Calcium	43-1	632130	654719	619024	635291	2.84	cps
Calcium	44-1	10317967	10630675	9978418	10309020	3.16	cps
Chromium	52-2	391501	397189	399870	396187	1.08	cps
Cobalt	59-2	732609	731017	734479	732701	0.24	cps
Copper	63-2	1209972	1213816	1214192	1212660	0.19	cps
Dysprosium	156-1	42	17	33	31	41.66	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	50	17	25	31	56.77	cps
Erbium	164-2	10	3	7	7	50.03	cps
Gadolinium	160-1	33	50	50	44	21.64	cps
Gadolinium	160-2	10	17	10	12	31.50	cps
Holmium	165-1	3627070	3654698	3605241	3629003	0.68	cps
Holmium	165-2	1578458	1584321	1564824	1575867	0.63	cps
Indium	115-1	3417481	3485759	3373560	3425600	1.65	cps
Indium	115-2	320598	321024	324011	321877	0.58	cps
Iron	56-2	14159100	14229778	14238601	14209159	0.31	cps
Iron	57-2	359433	356232	357268	357644	0.46	cps
Krypton	83-1	507	560	507	524	5.87	cps
Lead	206-1	893999	899567	882655	892073	0.97	cps
Lead	207-1	813055	815963	785369	804796	2.10	cps
Lead	208-1	3710076	3761191	3586955	3686074	2.43	cps
Lithium	6-1	1403796	1413099	1373758	1396884	1.47	cps
Magnesium	24-2	1878192	1892061	1891270	1887174	0.41	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:54:25	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	263925	266234	265269	265143	0.44	cps
Molybdenum	94-1	3817406	3793774	3714952	3775377	1.42	cps
Molybdenum	95-1	4762786	4760084	4633847	4718905	1.56	cps
Molybdenum	96-1	5164977	5294504	5052805	5170762	2.34	cps
Molybdenum	97-1	2905849	2992700	2893279	2930609	1.85	cps
Molybdenum	98-1	7472418	7514849	7270503	7419257	1.76	cps
Neodymium	150-1	113	133	107	118	11.78	cps
Neodymium	150-2	3	7	10	7	50.03	cps
Nickel	60-2	213922	215842	214351	214705	0.47	cps
Phosphorus	31-2	7244	7644	8328	7739	7.08	cps
Potassium	39-2	565138	569561	568283	567660	0.40	cps
Rhodium	103-1	3446367	3538820	3349926	3445038	2.74	cps
Rhodium	103-2	1431354	1437356	1439510	1436074	0.29	cps
Scandium	45-1	3014830	3140738	2942068	3032545	3.31	cps
Scandium	45-2	45731	45721	45848	45767	0.15	cps
Selenium	77-2	437	460	477	458	4.39	cps
Selenium	78-2	1606	1615	1617	1612	0.37	cps
Selenium	82-1	35334	36249	34800	35461	2.07	cps
Silicon	28-1	16923313	16921602	17021991	16955635	0.34	cps
Silver	109-1	2087034	2145868	2080310	2104404	1.71	cps
Silver	107-1	2181607	2218051	2132712	2177457	1.97	cps
Sodium	23-2	4205577	4253578	4288112	4249089	0.98	cps
Strontium	86-1	675779	678401	658507	670896	1.61	cps
Strontium	88-1	5675729	5671980	5552293	5633334	1.25	cps
Sulfur	34-1	752310	758190	737183	749227	1.45	cps
Terbium	159-1	3902365	3992289	3809452	3901369	2.34	cps
Terbium	159-2	1626385	1599679	1606966	1611010	0.86	cps
Thallium	203-1	1137233	1144284	1123178	1134898	0.95	cps
Thallium	205-1	2776137	2759315	2683929	2739794	1.79	cps
Tin	118-1	1285138	1309406	1277532	1290692	1.29	cps
Titanium	47-1	1568277	1626854	1566622	1587251	2.16	cps
Uranium	238-1	3389708	3493642	3330719	3404690	2.42	cps
Vanadium	51-2	289518	291564	291736	290940	0.42	cps
Yttrium	89-1	4146133	4222031	4083854	4150673	1.67	cps
Yttrium	89-2	258843	261393	260945	260394	0.52	cps
Zinc	66-2	144440	145466	146012	145306	0.55	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:54:25	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3063847	3120495	2990727	3058356	2.13	cps
Zirconium	91-1	667571	669426	653721	663573	1.29	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 16:58:04 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	177139	175488	176622	176416	0.48	cps
Antimony	121-1	4063527	4042596	4065728	4057284	0.31	cps
Arsenic	75-2	108934	109993	108777	109235	0.61	cps
Barium	135-1	3969676	4015461	3935156	3973431	1.01	cps
Barium	137-1	6770156	6777295	6719873	6755775	0.46	cps
Beryllium	9-1	1503634	1503241	1511502	1506126	0.31	cps
Bismuth	209-1	2186434	2168873	2171032	2175446	0.44	cps
Bismuth	209-2	1168991	1162035	1185012	1172013	1.01	cps
Boron	10-1	173379	178615	180193	177395	2.01	cps
Boron	11-1	866196	876020	884763	875660	1.06	cps
Cadmium	111-1	942555	948481	945252	945429	0.31	cps
Cadmium	106-1	100860	100053	103379	101431	1.71	cps
Cadmium	108-1	67342	67246	68561	67716	1.08	cps
Calcium	43-1	1306083	1304987	1319519	1310196	0.62	cps
Calcium	44-1	21051524	20881092	21050811	20994476	0.47	cps
Chromium	52-2	793258	796316	789591	793055	0.42	cps
Cobalt	59-2	1459346	1447420	1452431	1453065	0.41	cps
Copper	63-2	2391667	2397657	2431707	2407010	0.90	cps
Dysprosium	156-1	42	42	58	47	20.38	cps
Dysprosium	156-2	7	0	10	6	91.64	cps
Erbium	164-1	50	58	17	42	52.91	cps
Erbium	164-2	10	13	3	9	57.30	cps
Gadolinium	160-1	75	50	83	69	24.98	cps
Gadolinium	160-2	13	10	10	11	17.30	cps
Holmium	165-1	3679383	3708138	3701878	3696466	0.41	cps
Holmium	165-2	1632425	1591319	1611710	1611818	1.28	cps
Indium	115-1	3427757	3456435	3420491	3434895	0.55	cps
Indium	115-2	325937	321940	321291	323056	0.78	cps
Iron	56-2	28417751	28472342	28341065	28410386	0.23	cps
Iron	57-2	711113	713790	710536	711813	0.24	cps
Krypton	83-1	567	627	500	564	11.23	cps
Lead	206-1	1875112	1871246	1891752	1879370	0.58	cps
Lead	207-1	1691059	1708612	1715534	1705068	0.74	cps
Lead	208-1	7713495	7644145	7729070	7695570	0.59	cps
Lithium	6-1	1428541	1420218	1399848	1416202	1.04	cps
Magnesium	24-2	3672690	3680240	3647735	3666888	0.46	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:58:04	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	519679	526925	523037	523214	0.69	cps
Molybdenum	94-1	7609139	7792099	7882317	7761185	1.79	cps
Molybdenum	95-1	9627618	9695204	9732055	9684959	0.55	cps
Molybdenum	96-1	10634918	10632289	10706547	10657918	0.40	cps
Molybdenum	97-1	5880089	5961080	5966911	5936027	0.82	cps
Molybdenum	98-1	15106794	15285271	15403146	15265070	0.98	cps
Neodymium	150-1	240	220	227	229	4.45	cps
Neodymium	150-2	13	7	17	12	41.65	cps
Nickel	60-2	428771	428460	425252	427494	0.46	cps
Phosphorus	31-2	15125	15834	14992	15317	2.96	cps
Potassium	39-2	1135926	1126901	1122176	1128335	0.62	cps
Rhodium	103-1	3420872	3446983	3525245	3464367	1.57	cps
Rhodium	103-2	1453303	1437581	1440938	1443940	0.57	cps
Scandium	45-1	3106800	3069966	3080743	3085836	0.61	cps
Scandium	45-2	46988	46356	46554	46633	0.69	cps
Selenium	77-2	950	900	953	934	3.20	cps
Selenium	78-2	3282	3078	3111	3157	3.46	cps
Selenium	82-1	71969	73554	72555	72693	1.10	cps
Silicon	28-1	19168189	19268126	19215659	19217325	0.26	cps
Silver	109-1	4218840	4233821	4298187	4250283	0.99	cps
Silver	107-1	4386335	4444018	4473415	4434589	1.00	cps
Sodium	23-2	8396894	8397818	8343056	8379256	0.37	cps
Strontium	86-1	1370570	1381649	1379786	1377335	0.43	cps
Strontium	88-1	11561742	11640277	11559576	11587198	0.40	cps
Sulfur	34-1	858182	951491	940677	916783	5.57	cps
Terbium	159-1	4033991	4057644	4042797	4044811	0.30	cps
Terbium	159-2	1663905	1639979	1616488	1640124	1.45	cps
Thallium	203-1	2342991	2372800	2390011	2368601	1.00	cps
Thallium	205-1	5586606	5659582	5578341	5608176	0.80	cps
Tin	118-1	2658330	2667827	2648665	2658274	0.36	cps
Titanium	47-1	3234593	3231553	3250212	3238786	0.31	cps
Uranium	238-1	7144764	7056538	6994991	7065431	1.07	cps
Vanadium	51-2	589315	593572	589745	590877	0.40	cps
Yttrium	89-1	4230190	4223583	4256632	4236802	0.41	cps
Yttrium	89-2	264310	261855	259367	261844	0.94	cps
Zinc	66-2	287794	289650	286533	287992	0.54	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 16:58:04	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	6282311	6288699	6244675	6271895	0.38	cps
Zirconium	91-1	1388740	1393147	1410058	1397315	0.81	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:01:35	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	962769	967155	970072	966665	0.38	cps
Antimony	121-1	4851	4826	4684	4787	1.88	cps
Arsenic	75-2	172	172	172	172	0.00	cps
Barium	135-1	508	508	433	483	8.96	cps
Barium	137-1	858	800	983	881	10.64	cps
Beryllium	9-1	217	267	203	229	14.59	cps
Bismuth	209-1	1906184	1961044	1969651	1945626	1.77	cps
Bismuth	209-2	1085360	1093551	1095517	1091476	0.49	cps
Boron	10-1	5226	5201	4526	4984	7.97	cps
Boron	11-1	25958	24154	23211	24441	5.71	cps
Cadmium	111-1	814	763	822	800	3.97	cps
Cadmium	106-1	1125	1050	1092	1089	3.45	cps
Cadmium	108-1	33	25	25	28	17.31	cps
Calcium	43-1	6563641	6675463	6658049	6632384	0.91	cps
Calcium	44-1	107166148	108185372	108612898	107988140	0.69	cps
Chromium	52-2	7112	7009	7109	7076	0.83	cps
Cobalt	59-2	17778	17368	17868	17671	1.51	cps
Copper	63-2	4914	4791	4664	4790	2.61	cps
Dysprosium	156-1	67	92	33	64	45.81	cps
Dysprosium	156-2	0	10	3	4	114.60	cps
Erbium	164-1	17	25	58	33	66.14	cps
Erbium	164-2	13	7	0	7	99.98	cps
Gadolinium	160-1	50	58	75	61	20.83	cps
Gadolinium	160-2	33	10	17	20	60.08	cps
Holmium	165-1	3447035	3540687	3565856	3517859	1.78	cps
Holmium	165-2	1549539	1585522	1638396	1591152	2.81	cps
Indium	115-1	3250518	3281141	3271970	3267877	0.48	cps
Indium	115-2	323602	325990	331196	326929	1.19	cps
Iron	56-2	147929659	148589259	146576103	147698340	0.69	cps
Iron	57-2	3721350	3674890	3720207	3705482	0.72	cps
Krypton	83-1	557	573	527	552	4.28	cps
Lead	206-1	3223	3478	3634	3445	6.03	cps
Lead	207-1	3056	3251	3045	3117	3.71	cps
Lead	208-1	13375	14198	13898	13824	3.01	cps
Lithium	6-1	1349822	1380173	1435646	1388547	3.13	cps
Magnesium	24-2	18782818	18861274	19098761	18914285	0.87	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:01:35	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2094	2120	2140	2118	1.11	cps
Molybdenum	94-1	3617	3426	3125	3389	7.31	cps
Molybdenum	95-1	4709	4643	4659	4670	0.74	cps
Molybdenum	96-1	5735	5451	5543	5576	2.59	cps
Molybdenum	97-1	3100	2675	2509	2762	11.05	cps
Molybdenum	98-1	7010	7161	6594	6922	4.24	cps
Neodymium	150-1	60	60	100	73	31.50	cps
Neodymium	150-2	7	13	17	12	41.65	cps
Nickel	60-2	5298	5121	5625	5348	4.78	cps
Phosphorus	31-2	33	8	17	19	65.47	cps
Potassium	39-2	6010070	6059126	6016793	6028663	0.44	cps
Rhodium	103-1	3198181	3218856	3291014	3236017	1.51	cps
Rhodium	103-2	1375092	1383535	1385909	1381512	0.41	cps
Scandium	45-1	2952506	3063668	3110593	3042255	2.67	cps
Scandium	45-2	46858	47366	47223	47149	0.56	cps
Selenium	77-2	3	7	3	4	43.40	cps
Selenium	78-2	4	6	7	6	33.38	cps
Selenium	82-1	0	39	63	34	93.41	cps
Silicon	28-1	16076153	16096576	16095739	16089490	0.07	cps
Silver	109-1	667	742	725	711	5.54	cps
Silver	107-1	825	792	758	792	4.21	cps
Sodium	23-2	43338352	43170575	43380097	43296341	0.26	cps
Strontium	86-1	6060	6110	5993	6054	0.97	cps
Strontium	88-1	43353	43546	43680	43526	0.38	cps
Sulfur	34-1	519448	520472	520358	520093	0.11	cps
Terbium	159-1	3683527	3766644	3826565	3758912	1.91	cps
Terbium	159-2	1619700	1602289	1615321	1612437	0.56	cps
Thallium	203-1	200	275	292	256	19.11	cps
Thallium	205-1	417	375	442	411	8.19	cps
Tin	118-1	1625	1583	1550	1586	2.37	cps
Titanium	47-1	750	683	792	742	7.37	cps
Uranium	238-1	250	167	225	214	19.99	cps
Vanadium	51-2	133	117	133	128	7.53	cps
Yttrium	89-1	3957311	4070009	4151082	4059467	2.40	cps
Yttrium	89-2	269085	268562	268050	268566	0.19	cps
Zinc	66-2	2274	2284	2224	2260	1.42	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:01:35	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1800	1809	1825	1811	0.70	cps
Zirconium	91-1	333	267	358	319	14.83	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:10:46	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4757	4664	4892	4771	2.40	cps
Antimony	121-1	685144	687461	699171	690592	1.09	cps
Arsenic	75-2	21814	21495	21738	21682	0.77	cps
Barium	135-1	69467	68821	69031	69106	0.48	cps
Barium	137-1	118696	117965	122028	119563	1.81	cps
Beryllium	9-1	136096	137549	137638	137094	0.63	cps
Bismuth	209-1	1909406	1902681	1936129	1916072	0.92	cps
Bismuth	209-2	1139266	1143081	1146240	1142862	0.31	cps
Boron	10-1	80610	85312	86972	84298	3.91	cps
Boron	11-1	401537	417556	421225	413439	2.53	cps
Cadmium	111-1	87354	87837	89068	88086	1.00	cps
Cadmium	106-1	14784	14684	13991	14486	2.98	cps
Cadmium	108-1	8444	8336	8240	8340	1.23	cps
Calcium	43-1	28182	28706	27898	28262	1.45	cps
Calcium	44-1	461302	466834	466269	464802	0.65	cps
Chromium	52-2	78871	81372	80480	80241	1.58	cps
Cobalt	59-2	148849	149792	146346	148329	1.20	cps
Copper	63-2	122373	123045	122877	122765	0.28	cps
Dysprosium	156-1	17	8	33	19	65.48	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	42	108	83	78	43.30	cps
Erbium	164-2	7	23	17	16	53.90	cps
Gadolinium	160-1	33	25	75	44	60.28	cps
Gadolinium	160-2	7	3	3	4	43.40	cps
Holmium	165-1	3244720	3323984	3325176	3297960	1.40	cps
Holmium	165-2	1536267	1544311	1551894	1544157	0.51	cps
Indium	115-1	3288063	3284093	3316537	3296231	0.54	cps
Indium	115-2	340450	342465	341985	341633	0.31	cps
Iron	56-2	585144	582279	585552	584325	0.31	cps
Iron	57-2	14947	14408	15020	14792	2.26	cps
Krypton	83-1	600	610	617	609	1.38	cps
Lead	206-1	313766	316701	321588	317352	1.25	cps
Lead	207-1	270514	276006	276846	274455	1.25	cps
Lead	208-1	1243803	1258373	1273826	1258667	1.19	cps
Lithium	6-1	1420736	1435263	1431000	1429000	0.52	cps
Magnesium	24-2	46168	45524	46059	45917	0.75	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 17:10:46 DataFile Name : 012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	26960	27093	27207	27086	0.46	cps
Molybdenum	94-1	3541124	3535377	3551455	3542652	0.23	cps
Molybdenum	95-1	4387937	4352949	4348189	4363025	0.50	cps
Molybdenum	96-1	4802310	4796233	4814153	4804232	0.19	cps
Molybdenum	97-1	2683409	2683187	2708616	2691737	0.54	cps
Molybdenum	98-1	6848881	6808043	6867864	6841596	0.45	cps
Neodymium	150-1	7	7	33	16	98.96	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	44571	44210	44033	44271	0.62	cps
Phosphorus	31-2	8	8	25	14	69.31	cps
Potassium	39-2	53620	54623	54096	54113	0.93	cps
Rhodium	103-1	3426297	3434457	3402159	3420971	0.49	cps
Rhodium	103-2	1529298	1500545	1484048	1504630	1.52	cps
Scandium	45-1	3033225	3069907	3044603	3049245	0.62	cps
Scandium	45-2	48530	48681	48942	48718	0.43	cps
Selenium	77-2	160	190	217	189	15.01	cps
Selenium	78-2	632	650	717	666	6.73	cps
Selenium	82-1	13255	13094	13581	13310	1.86	cps
Silicon	28-1	16168628	16268677	16393009	16276771	0.69	cps
Silver	109-1	378801	382821	383629	381750	0.68	cps
Silver	107-1	406123	406523	406907	406518	0.10	cps
Sodium	23-2	193311	192191	192932	192811	0.30	cps
Strontium	86-1	645199	651444	649627	648757	0.50	cps
Strontium	88-1	5429926	5474312	5499059	5467766	0.64	cps
Sulfur	34-1	529459	526993	512609	523020	1.74	cps
Terbium	159-1	3528460	3559325	3601984	3563256	1.04	cps
Terbium	159-2	1606553	1602924	1625599	1611692	0.76	cps
Thallium	203-1	396491	402087	401360	399979	0.76	cps
Thallium	205-1	939540	948559	955691	947930	0.85	cps
Tin	118-1	1139150	1134113	1151234	1141499	0.77	cps
Titanium	47-1	1517650	1509966	1522340	1516652	0.41	cps
Uranium	238-1	3121522	3219350	3172509	3171127	1.54	cps
Vanadium	51-2	57501	57765	57742	57669	0.25	cps
Yttrium	89-1	4040446	4060073	4032807	4044442	0.35	cps
Yttrium	89-2	273354	273894	271110	272786	0.54	cps
Zinc	66-2	29438	29892	29916	29749	0.91	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:10:46	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2876658	2932078	2865928	2891555	1.23	cps
Zirconium	91-1	620889	633821	624385	626365	1.07	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:19:54	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	245	213	255	238	9.36	cps
Antimony	121-1	6844	6794	6368	6669	3.92	cps
Arsenic	75-2	115	102	96	104	9.11	cps
Barium	135-1	6944	6919	6660	6841	2.29	cps
Barium	137-1	11597	11489	11873	11653	1.70	cps
Beryllium	9-1	1400	1460	1357	1406	3.69	cps
Bismuth	209-1	1902549	1932917	1630074	1821847	9.15	cps
Bismuth	209-2	1000567	1030259	1065767	1032198	3.16	cps
Boron	10-1	5026	5568	4976	5190	6.32	cps
Boron	11-1	25415	25941	25866	25741	1.10	cps
Cadmium	111-1	1472	1531	1393	1465	4.71	cps
Cadmium	106-1	950	1117	800	956	16.58	cps
Cadmium	108-1	92	108	42	81	43.07	cps
Calcium	43-1	6382	6745	6355	6494	3.36	cps
Calcium	44-1	130422	130666	130112	130400	0.21	cps
Chromium	52-2	2727	2947	3064	2913	5.87	cps
Cobalt	59-2	1373	1420	1380	1391	1.81	cps
Copper	63-2	2477	2464	2690	2544	5.00	cps
Dysprosium	156-1	17	25	25	22	21.64	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	17	8	33	19	65.47	cps
Erbium	164-2	17	7	0	8	107.84	cps
Gadolinium	160-1	25	75	17	39	81.12	cps
Gadolinium	160-2	7	7	7	7	0.00	cps
Holmium	165-1	3264853	3389676	2894067	3182865	8.10	cps
Holmium	165-2	1366726	1413949	1446227	1408967	2.84	cps
Indium	115-1	3300562	3401723	2894016	3198767	8.40	cps
Indium	115-2	306981	317333	331451	318588	3.86	cps
Iron	56-2	30144	32310	32411	31622	4.05	cps
Iron	57-2	783	839	906	843	7.26	cps
Krypton	83-1	520	553	600	558	7.20	cps
Lead	206-1	1822	1989	1750	1854	6.61	cps
Lead	207-1	1595	1578	1439	1537	5.56	cps
Lead	208-1	7212	7484	7340	7346	1.85	cps
Lithium	6-1	1359094	1449397	1263830	1357440	6.84	cps
Magnesium	24-2	16952	18129	18955	18012	5.59	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:19:54	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	303	367	363	344	10.35	cps
Molybdenum	94-1	6802	6710	6385	6632	3.30	cps
Molybdenum	95-1	8603	8995	8687	8762	2.36	cps
Molybdenum	96-1	9479	9571	9362	9470	1.10	cps
Molybdenum	97-1	5226	5493	5485	5401	2.81	cps
Molybdenum	98-1	13624	13015	13399	13346	2.31	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	413	467	590	490	18.49	cps
Phosphorus	31-2	58	42	33	44	28.65	cps
Potassium	39-2	17403	17512	18137	17684	2.24	cps
Rhodium	103-1	3445339	3510427	3085350	3347039	6.84	cps
Rhodium	103-2	1346006	1386205	1435084	1389098	3.21	cps
Scandium	45-1	3077450	3238660	2678899	2998336	9.61	cps
Scandium	45-2	44203	45607	46597	45469	2.65	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	11	15	22	16	35.26	cps
Selenium	82-1	397	345	279	341	17.41	cps
Silicon	28-1	15738572	15652655	15699128	15696785	0.27	cps
Silver	109-1	3509	4026	4101	3879	8.31	cps
Silver	107-1	4117	4426	4276	4273	3.61	cps
Sodium	23-2	50390	54279	55358	53343	4.90	cps
Strontium	86-1	1867	1784	1825	1825	2.28	cps
Strontium	88-1	9329	8970	8420	8906	5.14	cps
Sulfur	34-1	519916	521799	524216	521977	0.41	cps
Terbium	159-1	3508497	3675997	3122862	3435785	8.26	cps
Terbium	159-2	1418367	1442576	1505743	1455562	3.10	cps
Thallium	203-1	1875	2092	1917	1961	5.86	cps
Thallium	205-1	4518	4659	4601	4593	1.55	cps
Tin	118-1	12023	11814	11731	11856	1.27	cps
Titanium	47-1	3059	3359	3134	3184	4.91	cps
Uranium	238-1	5026	5085	5560	5224	5.60	cps
Vanadium	51-2	2650	2887	3060	2866	7.18	cps
Yttrium	89-1	3988642	4268326	3580148	3945706	8.77	cps
Yttrium	89-2	248696	253991	261841	254843	2.60	cps
Zinc	66-2	307	307	323	312	3.08	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:19:54	DataFile Name :	013LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5743	5885	5618	5749	2.32	cps
Zirconium	91-1	1383	1208	1325	1306	6.83	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 17:23:26 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	60	58	78	65	16.76	cps
Antimony	121-1	167	142	183	164	12.80	cps
Arsenic	75-2	7	15	15	12	34.63	cps
Barium	135-1	8	25	25	19	49.50	cps
Barium	137-1	42	42	25	36	26.65	cps
Beryllium	9-1	50	77	73	67	21.80	cps
Bismuth	209-1	1850395	1793863	1823078	1822445	1.55	cps
Bismuth	209-2	1060512	1039951	1048726	1049730	0.98	cps
Boron	10-1	975	1083	1117	1058	7.00	cps
Boron	11-1	5310	5101	5276	5229	2.14	cps
Cadmium	111-1	610	631	657	633	3.70	cps
Cadmium	106-1	858	900	925	895	3.77	cps
Cadmium	108-1	4	4	4	4	0.00	cps
Calcium	43-1	597	617	600	604	1.77	cps
Calcium	44-1	32628	33096	32748	32824	0.74	cps
Chromium	52-2	1583	1590	1580	1585	0.32	cps
Cobalt	59-2	127	93	140	120	20.03	cps
Copper	63-2	370	330	323	341	7.40	cps
Dysprosium	156-1	25	42	17	28	45.82	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	17	33	42	31	41.66	cps
Erbium	164-2	3	0	0	1	173.21	cps
Gadolinium	160-1	8	25	33	22	57.29	cps
Gadolinium	160-2	3	7	7	6	34.70	cps
Holmium	165-1	3118587	3138419	3145484	3134164	0.44	cps
Holmium	165-2	1442477	1442657	1445988	1443707	0.14	cps
Indium	115-1	3214234	3159896	3159310	3177813	0.99	cps
Indium	115-2	330587	325392	328637	328206	0.80	cps
Iron	56-2	3506	3328	3428	3421	2.61	cps
Iron	57-2	89	72	94	85	13.58	cps
Krypton	83-1	533	643	547	574	10.45	cps
Lead	206-1	411	356	278	348	19.24	cps
Lead	207-1	300	333	306	313	5.71	cps
Lead	208-1	1511	1361	1239	1370	9.95	cps
Lithium	6-1	1317304	1303349	1329175	1316609	0.98	cps
Magnesium	24-2	450	375	517	447	15.85	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:23:26	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	63	90	70	74	18.64	cps
Molybdenum	94-1	142	208	133	161	25.52	cps
Molybdenum	95-1	83	117	92	97	17.84	cps
Molybdenum	96-1	100	58	133	97	38.65	cps
Molybdenum	97-1	75	67	75	72	6.66	cps
Molybdenum	98-1	133	100	125	119	14.53	cps
Neodymium	150-1	0	20	20	13	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	103	83	80	89	14.20	cps
Phosphorus	31-2	8	8	8	8	0.00	cps
Potassium	39-2	6610	7519	7060	7063	6.43	cps
Rhodium	103-1	3347933	3348724	3297827	3331495	0.88	cps
Rhodium	103-2	1435643	1423073	1436235	1431650	0.52	cps
Scandium	45-1	2968794	3007355	2992024	2989391	0.65	cps
Scandium	45-2	48146	47544	47296	47662	0.92	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	2	2	0	1	86.60	cps
Selenium	82-1	-15	-177	-54	-82	-103.14	cps
Silicon	28-1	15320447	15285112	15436251	15347270	0.52	cps
Silver	109-1	208	250	183	214	15.75	cps
Silver	107-1	267	292	300	286	6.06	cps
Sodium	23-2	14049	14416	13699	14055	2.55	cps
Strontium	86-1	700	908	850	820	13.12	cps
Strontium	88-1	50	25	58	44	39.04	cps
Sulfur	34-1	530160	523931	524395	526162	0.66	cps
Terbium	159-1	3390889	3350740	3388358	3376662	0.67	cps
Terbium	159-2	1473990	1484274	1487063	1481775	0.46	cps
Thallium	203-1	58	33	50	47	26.97	cps
Thallium	205-1	58	75	83	72	17.62	cps
Tin	118-1	258	267	375	300	21.69	cps
Titanium	47-1	183	142	208	178	18.95	cps
Uranium	238-1	42	42	33	39	12.38	cps
Vanadium	51-2	43	0	13	19	117.51	cps
Yttrium	89-1	3985687	3934581	3923182	3947816	0.84	cps
Yttrium	89-2	262061	262702	261767	262177	0.18	cps
Zinc	66-2	60	50	43	51	16.42	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:23:26	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	342	358	250	317	18.42	cps
Zirconium	91-1	92	67	67	75	19.24	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 17:26:58 DataFile Name : 015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	828203	835412	825334	829650	0.63	cps
Antimony	121-1	4434	4118	4326	4293	3.75	cps
Arsenic	75-2	52	44	31	43	24.21	cps
Barium	135-1	1100	1200	1267	1189	7.06	cps
Barium	137-1	1934	1984	2159	2025	5.83	cps
Beryllium	9-1	520	433	523	492	10.37	cps
Bismuth	209-1	1965735	1989933	2023024	1992897	1.44	cps
Bismuth	209-2	1097037	1106559	1108553	1104049	0.56	cps
Boron	10-1	1000	883	1183	1022	14.80	cps
Boron	11-1	4851	4976	5193	5007	3.45	cps
Cadmium	111-1	1198	890	1000	1029	15.20	cps
Cadmium	106-1	1108	967	925	1000	9.61	cps
Cadmium	108-1	658	696	688	681	2.89	cps
Calcium	43-1	1290910	1281199	1305771	1292627	0.96	cps
Calcium	44-1	20674990	20593387	20635882	20634753	0.20	cps
Chromium	52-2	17565	17812	17908	17761	1.00	cps
Cobalt	59-2	1830	2007	1773	1870	6.51	cps
Copper	63-2	10541	10744	10121	10469	3.04	cps
Dysprosium	156-1	33	8	25	22	57.29	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	42	33	25	33	25.01	cps
Erbium	164-2	3	7	23	11	96.43	cps
Gadolinium	160-1	50	25	42	39	32.73	cps
Gadolinium	160-2	10	23	7	13	66.12	cps
Holmium	165-1	3462239	3535190	3596361	3531263	1.90	cps
Holmium	165-2	1555217	1540914	1572715	1556282	1.02	cps
Indium	115-1	3378007	3383365	3409913	3390428	0.50	cps
Indium	115-2	328280	335069	328122	330490	1.20	cps
Iron	56-2	56631522	57120474	56402486	56718161	0.65	cps
Iron	57-2	1447660	1448667	1439088	1445138	0.36	cps
Krypton	83-1	550	530	573	551	3.94	cps
Lead	206-1	8553	9148	8976	8892	3.44	cps
Lead	207-1	6835	7119	7391	7115	3.91	cps
Lead	208-1	33040	34158	34636	33945	2.41	cps
Lithium	6-1	1347693	1385325	1393690	1375569	1.78	cps
Magnesium	24-2	3747242	3727950	3716081	3730424	0.42	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:26:58	DataFile Name :	015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2027	2020	2040	2029	0.50	cps
Molybdenum	94-1	2015378	2030380	2045349	2030369	0.74	cps
Molybdenum	95-1	3443948	3517405	3546307	3502553	1.51	cps
Molybdenum	96-1	3658506	3716121	3769782	3714803	1.50	cps
Molybdenum	97-1	2167361	2172111	2179526	2172999	0.28	cps
Molybdenum	98-1	5442878	5525571	5502855	5490435	0.78	cps
Neodymium	150-1	7	27	7	13	86.58	cps
Neodymium	150-2	10	7	3	7	50.03	cps
Nickel	60-2	2434	2420	2420	2425	0.32	cps
Phosphorus	31-2	75568	78836	78761	77722	2.40	cps
Potassium	39-2	2327589	2304041	2285273	2305635	0.92	cps
Rhodium	103-1	3371341	3380621	3405550	3385837	0.52	cps
Rhodium	103-2	1405138	1432126	1427899	1421721	1.02	cps
Scandium	45-1	3093390	3085052	3097352	3091931	0.20	cps
Scandium	45-2	45313	46985	46667	46322	1.92	cps
Selenium	77-2	0	7	3	3	100.05	cps
Selenium	78-2	2	2	11	5	108.30	cps
Selenium	82-1	14	7	-42	-7	-435.46	cps
Silicon	28-1	15726114	15735262	15842730	15768035	0.41	cps
Silver	109-1	1592	1675	2192	1820	17.87	cps
Silver	107-1	1634	1842	2334	1936	18.57	cps
Sodium	23-2	8545826	8542041	8552349	8546739	0.06	cps
Strontium	86-1	41314	40603	39658	40525	2.05	cps
Strontium	88-1	337848	341819	339851	339839	0.58	cps
Sulfur	34-1	2200785	2174070	2190136	2188330	0.61	cps
Terbium	159-1	3752701	3735737	3772185	3753541	0.49	cps
Terbium	159-2	1560272	1600217	1612614	1591034	1.72	cps
Thallium	203-1	192	200	108	167	30.41	cps
Thallium	205-1	525	458	342	442	21.01	cps
Tin	118-1	617	658	558	611	8.22	cps
Titanium	47-1	1248446	1276320	1272789	1265852	1.20	cps
Uranium	238-1	67	133	133	111	34.64	cps
Vanadium	51-2	77	93	60	77	21.74	cps
Yttrium	89-1	4100339	4127694	4132230	4120088	0.42	cps
Yttrium	89-2	265772	264987	261156	263972	0.94	cps
Zinc	66-2	1884	1747	1927	1852	5.07	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:26:58	DataFile Name :	015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	642	542	558	581	9.23	cps
Zirconium	91-1	150	150	108	136	17.67	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:30:21	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	808558	810572	807211	808780	0.21	cps
Antimony	121-1	78657	77793	78599	78349	0.62	cps
Arsenic	75-2	2165	2106	2215	2162	2.53	cps
Barium	135-1	16036	15752	16427	16072	2.11	cps
Barium	137-1	28849	26912	27730	27830	3.49	cps
Beryllium	9-1	27800	27653	28054	27836	0.73	cps
Bismuth	209-1	2006249	1934355	1990234	1976946	1.91	cps
Bismuth	209-2	1043832	1086001	1108972	1079602	3.06	cps
Boron	10-1	11639	11563	11830	11677	1.18	cps
Boron	11-1	55834	56588	57692	56705	1.65	cps
Cadmium	111-1	18977	18971	18634	18861	1.04	cps
Cadmium	106-1	3367	3492	3126	3328	5.60	cps
Cadmium	108-1	1888	1921	2046	1952	4.28	cps
Calcium	43-1	1266731	1264198	1257291	1262740	0.39	cps
Calcium	44-1	20399016	20228122	20263163	20296767	0.44	cps
Chromium	52-2	33410	33009	32625	33015	1.19	cps
Cobalt	59-2	31656	30991	31302	31316	1.06	cps
Copper	63-2	34573	34459	34439	34491	0.21	cps
Dysprosium	156-1	8	33	33	25	57.74	cps
Dysprosium	156-2	13	7	3	8	65.47	cps
Erbium	164-1	50	42	17	36	48.03	cps
Erbium	164-2	0	3	10	4	114.60	cps
Gadolinium	160-1	75	33	42	50	44.10	cps
Gadolinium	160-2	13	3	10	9	57.30	cps
Holmium	165-1	3545573	3493603	3472773	3503983	1.07	cps
Holmium	165-2	1473539	1504420	1577621	1518527	3.52	cps
Indium	115-1	3390343	3303712	3410022	3368026	1.68	cps
Indium	115-2	315541	322902	334900	324448	3.01	cps
Iron	56-2	55835619	56764854	55805743	56135405	0.97	cps
Iron	57-2	1420513	1424756	1421124	1422131	0.16	cps
Krypton	83-1	660	573	623	619	7.03	cps
Lead	206-1	44651	43246	42756	43551	2.26	cps
Lead	207-1	35578	34637	36057	35424	2.04	cps
Lead	208-1	168049	164468	166794	166437	1.09	cps
Lithium	6-1	1318832	1306594	1341244	1322223	1.33	cps
Magnesium	24-2	3661916	3621044	3656949	3646636	0.61	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:30:21	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	7402	7355	7282	7346	0.82	cps
Molybdenum	94-1	2192938	2213785	2197407	2201377	0.50	cps
Molybdenum	95-1	3622476	3577403	3557183	3585687	0.93	cps
Molybdenum	96-1	3795843	3834010	3840302	3823385	0.63	cps
Molybdenum	97-1	2198901	2221882	2198044	2206276	0.61	cps
Molybdenum	98-1	5665691	5626240	5600897	5630943	0.58	cps
Neodymium	150-1	13	27	13	18	43.33	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	11168	11158	11048	11125	0.60	cps
Phosphorus	31-2	76331	74522	74697	75183	1.33	cps
Potassium	39-2	2285702	2273543	2282420	2280555	0.28	cps
Rhodium	103-1	3330474	3381474	3350594	3354181	0.77	cps
Rhodium	103-2	1377285	1387079	1445696	1403353	2.64	cps
Scandium	45-1	3053602	2997247	3032972	3027940	0.94	cps
Scandium	45-2	44641	45815	46872	45776	2.44	cps
Selenium	77-2	27	30	23	27	12.51	cps
Selenium	78-2	63	69	56	62	10.43	cps
Selenium	82-1	1188	1321	1305	1271	5.69	cps
Silicon	28-1	16074790	16032923	15941335	16016349	0.43	cps
Silver	109-1	78806	77951	78144	78300	0.57	cps
Silver	107-1	81288	82343	82451	82028	0.78	cps
Sodium	23-2	8315138	8464565	8376049	8385251	0.90	cps
Strontium	86-1	110562	111697	113377	111879	1.27	cps
Strontium	88-1	940100	946174	946897	944390	0.40	cps
Sulfur	34-1	2161216	2139368	2138217	2146267	0.60	cps
Terbium	159-1	3814536	3741182	3763815	3773178	1.00	cps
Terbium	159-2	1525744	1529542	1611939	1555742	3.13	cps
Thallium	203-1	42991	43425	43592	43336	0.72	cps
Thallium	205-1	102841	99818	101522	101394	1.49	cps
Tin	118-1	158363	154580	156532	156492	1.21	cps
Titanium	47-1	1286326	1269529	1282160	1279338	0.68	cps
Uranium	238-1	392862	394780	397222	394955	0.55	cps
Vanadium	51-2	11345	11522	11595	11487	1.12	cps
Yttrium	89-1	4146438	4028909	4065012	4080119	1.48	cps
Yttrium	89-2	253080	258042	266040	259054	2.52	cps
Zinc	66-2	4464	4591	4708	4588	2.65	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:30:21	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	387494	393316	391704	390838	0.77	cps
Zirconium	91-1	87246	86709	88462	87472	1.03	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:38:09	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	492597	493701	495758	494019	0.32	cps
Antimony	121-1	1980432	2016938	1992447	1996606	0.93	cps
Arsenic	75-2	55885	56554	56165	56201	0.60	cps
Barium	135-1	1952328	1955933	1958668	1955643	0.16	cps
Barium	137-1	3344409	3347864	3369177	3353817	0.40	cps
Beryllium	9-1	729552	734993	743152	735899	0.93	cps
Bismuth	209-1	2022638	2027305	2040659	2030200	0.46	cps
Bismuth	209-2	1127794	1147950	1152784	1142843	1.16	cps
Boron	10-1	87106	89370	91005	89160	2.20	cps
Boron	11-1	431473	434367	445845	437228	1.74	cps
Cadmium	111-1	457728	461573	462806	460703	0.57	cps
Cadmium	106-1	48680	49509	49341	49177	0.89	cps
Cadmium	108-1	32727	32297	33208	32744	1.39	cps
Calcium	43-1	3201779	3172872	3207709	3194120	0.58	cps
Calcium	44-1	51771786	51690443	51639026	51700418	0.13	cps
Chromium	52-2	412355	414905	414593	413951	0.34	cps
Cobalt	59-2	750914	758449	755377	754913	0.50	cps
Copper	63-2	1206252	1211114	1212099	1209821	0.26	cps
Dysprosium	156-1	67	25	58	50	44.10	cps
Dysprosium	156-2	17	13	7	12	41.65	cps
Erbium	164-1	17	58	0	25	120.18	cps
Erbium	164-2	3	10	10	8	49.52	cps
Gadolinium	160-1	33	33	42	36	13.33	cps
Gadolinium	160-2	27	13	20	20	33.35	cps
Holmium	165-1	3581683	3583390	3635306	3600126	0.85	cps
Holmium	165-2	1583900	1592291	1602355	1592849	0.58	cps
Indium	115-1	3359661	3436941	3438099	3411567	1.32	cps
Indium	115-2	328391	333132	331205	330909	0.72	cps
Iron	56-2	72292221	72013702	71792393	72032772	0.35	cps
Iron	57-2	1853781	1833509	1835772	1841021	0.60	cps
Krypton	83-1	543	477	513	511	6.53	cps
Lead	206-1	864640	875288	880606	873511	0.93	cps
Lead	207-1	779658	791797	784815	785423	0.78	cps
Lead	208-1	3572160	3608595	3608496	3596417	0.58	cps
Lithium	6-1	1375313	1375316	1404338	1384989	1.21	cps
Magnesium	24-2	9182708	9199280	9206751	9196246	0.13	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:38:09	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	270941	272695	270929	271522	0.37	cps
Molybdenum	94-1	3894545	3904045	3947577	3915389	0.72	cps
Molybdenum	95-1	4844066	4878703	4876460	4866410	0.40	cps
Molybdenum	96-1	5363592	5365043	5379866	5369500	0.17	cps
Molybdenum	97-1	2978009	2974308	2977084	2976467	0.06	cps
Molybdenum	98-1	7570880	7561716	7670084	7600893	0.79	cps
Neodymium	150-1	140	127	67	111	35.16	cps
Neodymium	150-2	17	7	13	12	41.65	cps
Nickel	60-2	218927	220423	220183	219845	0.37	cps
Phosphorus	31-2	7928	8286	7852	8022	2.89	cps
Potassium	39-2	2964238	2940139	2928182	2944187	0.62	cps
Rhodium	103-1	3354211	3364796	3402724	3373910	0.76	cps
Rhodium	103-2	1419704	1430116	1432468	1427429	0.48	cps
Scandium	45-1	3101365	3137361	3183092	3140606	1.30	cps
Scandium	45-2	47259	48079	47945	47761	0.92	cps
Selenium	77-2	417	537	503	486	12.76	cps
Selenium	78-2	1689	1622	1739	1683	3.48	cps
Selenium	82-1	35915	36259	36115	36096	0.48	cps
Silicon	28-1	17709508	17815816	17944369	17823231	0.66	cps
Silver	109-1	2044944	2082039	2094350	2073778	1.24	cps
Silver	107-1	2123664	2176115	2165451	2155076	1.29	cps
Sodium	23-2	20867975	21016045	20936182	20940067	0.35	cps
Strontium	86-1	689691	694565	694492	692916	0.40	cps
Strontium	88-1	5772173	5810071	5868686	5816977	0.84	cps
Sulfur	34-1	740957	736752	734424	737377	0.45	cps
Terbium	159-1	3791148	3895505	3882710	3856454	1.48	cps
Terbium	159-2	1632069	1654343	1641911	1642774	0.68	cps
Thallium	203-1	1099505	1104786	1117376	1107222	0.83	cps
Thallium	205-1	2664337	2683389	2702294	2683340	0.71	cps
Tin	118-1	1280426	1284461	1298375	1287754	0.73	cps
Titanium	47-1	1635256	1642743	1655128	1644376	0.61	cps
Uranium	238-1	3434120	3438072	3405306	3425833	0.52	cps
Vanadium	51-2	306933	308443	307012	307463	0.28	cps
Yttrium	89-1	4184878	4181765	4231261	4199301	0.66	cps
Yttrium	89-2	264985	271426	271274	269228	1.37	cps
Zinc	66-2	148316	148050	149490	148619	0.52	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV54	Instrumnet Name :	P8
Client Sample ID :	CCV54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:38:09	DataFile Name :	018CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3242971	3255472	3231927	3243457	0.36	cps
Zirconium	91-1	705789	703736	705417	704981	0.16	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:51:41	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	193	273	240	235	17.12	cps
Antimony	121-1	7477	7286	6669	7144	5.92	cps
Arsenic	75-2	100	119	102	107	9.55	cps
Barium	135-1	7561	6910	7127	7200	4.60	cps
Barium	137-1	11973	11739	12456	12056	3.03	cps
Beryllium	9-1	1400	1443	1243	1362	7.72	cps
Bismuth	209-1	1910015	1919858	1952191	1927355	1.14	cps
Bismuth	209-2	1089402	1093784	1084252	1089146	0.44	cps
Boron	10-1	4459	4568	4784	4604	3.60	cps
Boron	11-1	22435	22769	23061	22755	1.38	cps
Cadmium	111-1	1498	1376	1701	1525	10.74	cps
Cadmium	106-1	1158	875	1233	1089	17.36	cps
Cadmium	108-1	67	88	96	83	18.03	cps
Calcium	43-1	6672	6352	6392	6472	2.70	cps
Calcium	44-1	132039	130859	130678	131192	0.56	cps
Chromium	52-2	2824	2707	2954	2828	4.36	cps
Cobalt	59-2	1533	1523	1603	1553	2.81	cps
Copper	63-2	2850	2650	2707	2736	3.77	cps
Dysprosium	156-1	8	17	17	14	34.67	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	33	33	28	34.63	cps
Erbium	164-2	0	7	0	2	173.21	cps
Gadolinium	160-1	33	58	50	47	26.97	cps
Gadolinium	160-2	3	7	7	6	34.70	cps
Holmium	165-1	3309413	3351890	3306171	3322491	0.77	cps
Holmium	165-2	1454350	1489912	1473288	1472517	1.21	cps
Indium	115-1	3374120	3331365	3351886	3352457	0.64	cps
Indium	115-2	326759	329869	325894	327507	0.64	cps
Iron	56-2	32472	32349	32689	32503	0.53	cps
Iron	57-2	889	772	772	811	8.30	cps
Krypton	83-1	557	607	623	596	5.83	cps
Lead	206-1	2050	1984	1967	2000	2.21	cps
Lead	207-1	1950	1617	1972	1847	10.79	cps
Lead	208-1	8051	7568	8090	7903	3.68	cps
Lithium	6-1	1323253	1323003	1311126	1319127	0.53	cps
Magnesium	24-2	18938	18688	19247	18958	1.48	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:51:41	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	357	267	280	301	16.13	cps
Molybdenum	94-1	7211	6985	6719	6972	3.53	cps
Molybdenum	95-1	9195	8511	8578	8762	4.30	cps
Molybdenum	96-1	9929	9512	9737	9726	2.15	cps
Molybdenum	97-1	5927	4993	4984	5301	10.22	cps
Molybdenum	98-1	13632	13624	13858	13705	0.97	cps
Neodymium	150-1	0	27	20	16	89.22	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	543	530	597	557	6.34	cps
Phosphorus	31-2	58	42	25	42	40.00	cps
Potassium	39-2	18171	18755	19348	18758	3.14	cps
Rhodium	103-1	3473444	3432823	3435813	3447360	0.66	cps
Rhodium	103-2	1442446	1453568	1452816	1449610	0.43	cps
Scandium	45-1	3086593	3016303	3102584	3068493	1.50	cps
Scandium	45-2	46179	46721	46657	46519	0.64	cps
Selenium	77-2	7	7	7	7	0.00	cps
Selenium	78-2	31	17	20	23	33.75	cps
Selenium	82-1	373	251	272	299	21.81	cps
Silicon	28-1	15706999	15857140	15665950	15743363	0.64	cps
Silver	109-1	4376	4209	4151	4245	2.75	cps
Silver	107-1	4443	4434	4084	4320	4.74	cps
Sodium	23-2	61559	61032	58789	60460	2.43	cps
Strontium	86-1	2042	1759	1950	1917	7.54	cps
Strontium	88-1	9387	8770	8995	9051	3.45	cps
Sulfur	34-1	522443	530021	530215	527560	0.84	cps
Terbium	159-1	3586467	3517973	3527662	3544034	1.05	cps
Terbium	159-2	1493226	1519548	1523612	1512129	1.09	cps
Thallium	203-1	2050	1992	2275	2106	7.11	cps
Thallium	205-1	5276	5201	4609	5029	7.26	cps
Tin	118-1	11814	11981	12189	11995	1.57	cps
Titanium	47-1	3317	2767	3367	3151	10.57	cps
Uranium	238-1	5668	5485	5452	5535	2.11	cps
Vanadium	51-2	2937	3007	2917	2954	1.60	cps
Yttrium	89-1	4024667	3956378	4021172	4000739	0.96	cps
Yttrium	89-2	261679	263561	262178	262473	0.37	cps
Zinc	66-2	377	323	340	347	7.87	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	LLCCV01	Instrumnet Name :	P8
Client Sample ID :	LLCCV01	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:51:41	DataFile Name :	020LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5143	5501	6027	5557	8.00	cps
Zirconium	91-1	1217	1300	1292	1270	3.62	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : CCB54 Instrumnet Name : P8
 Client Sample ID : CCB54 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 17:55:13 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	85	65	45	65	30.77	cps
Antimony	121-1	167	183	258	203	24.08	cps
Arsenic	75-2	2	11	11	8	66.63	cps
Barium	135-1	17	33	17	22	43.28	cps
Barium	137-1	17	33	17	22	43.28	cps
Beryllium	9-1	83	97	83	88	8.77	cps
Bismuth	209-1	1894633	1915161	1898367	1902720	0.57	cps
Bismuth	209-2	1090083	1078188	1071702	1079991	0.86	cps
Boron	10-1	825	717	658	733	11.53	cps
Boron	11-1	3951	3642	3592	3728	5.21	cps
Cadmium	111-1	705	516	743	655	18.57	cps
Cadmium	106-1	1008	742	1075	942	18.73	cps
Cadmium	108-1	13	4	25	14	75.48	cps
Calcium	43-1	543	567	557	556	2.11	cps
Calcium	44-1	33336	33293	33911	33514	1.03	cps
Chromium	52-2	1637	1443	1510	1530	6.42	cps
Cobalt	59-2	117	87	93	99	15.93	cps
Copper	63-2	320	400	370	363	11.12	cps
Dysprosium	156-1	0	17	33	17	100.00	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	33	33	28	34.63	cps
Erbium	164-2	3	7	3	4	43.40	cps
Gadolinium	160-1	42	33	25	33	25.01	cps
Gadolinium	160-2	3	0	10	4	114.60	cps
Holmium	165-1	3342527	3341099	3286317	3323315	0.96	cps
Holmium	165-2	1487336	1469754	1452001	1469697	1.20	cps
Indium	115-1	3360151	3322117	3301557	3327942	0.89	cps
Indium	115-2	331533	325655	324505	327231	1.15	cps
Iron	56-2	3139	2934	3212	3095	4.66	cps
Iron	57-2	100	111	122	111	10.00	cps
Krypton	83-1	553	500	537	530	5.15	cps
Lead	206-1	411	322	456	396	17.13	cps
Lead	207-1	356	511	428	432	18.04	cps
Lead	208-1	1628	1550	1728	1635	5.45	cps
Lithium	6-1	1298196	1274617	1283313	1285375	0.93	cps
Magnesium	24-2	458	517	475	483	6.22	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:55:13	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	40	100	67	69	43.64	cps
Molybdenum	94-1	100	117	158	125	24.04	cps
Molybdenum	95-1	33	58	8	33	75.02	cps
Molybdenum	96-1	100	108	100	103	4.68	cps
Molybdenum	97-1	83	75	67	75	11.11	cps
Molybdenum	98-1	125	83	67	92	32.78	cps
Neodymium	150-1	7	20	7	11	69.25	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	117	80	73	90	25.93	cps
Phosphorus	31-2	8	33	25	22	57.29	cps
Potassium	39-2	7661	7060	7219	7313	4.25	cps
Rhodium	103-1	3416258	3472745	3452388	3447130	0.83	cps
Rhodium	103-2	1472138	1431640	1454773	1452850	1.40	cps
Scandium	45-1	3068231	3036663	3022398	3042430	0.77	cps
Scandium	45-2	46761	47273	47340	47125	0.67	cps
Selenium	77-2	7	7	3	6	34.70	cps
Selenium	78-2	0	11	4	5	114.60	cps
Selenium	82-1	-30	12	-29	-16	-155.11	cps
Silicon	28-1	15774167	15598571	15697429	15690056	0.56	cps
Silver	109-1	250	333	267	283	15.56	cps
Silver	107-1	367	333	333	344	5.59	cps
Sodium	23-2	16569	17011	16535	16705	1.59	cps
Strontium	86-1	742	708	792	747	5.61	cps
Strontium	88-1	50	42	83	58	37.80	cps
Sulfur	34-1	528717	531119	532991	530943	0.40	cps
Terbium	159-1	3574459	3549508	3547392	3557120	0.42	cps
Terbium	159-2	1544696	1489941	1487489	1507375	2.15	cps
Thallium	203-1	175	125	183	161	19.58	cps
Thallium	205-1	533	367	442	447	18.66	cps
Tin	118-1	250	192	192	211	15.95	cps
Titanium	47-1	133	200	142	158	22.94	cps
Uranium	238-1	17	25	42	28	45.82	cps
Vanadium	51-2	10	10	13	11	17.30	cps
Yttrium	89-1	4076107	4011844	4039415	4042455	0.80	cps
Yttrium	89-2	266421	261277	260022	262573	1.29	cps
Zinc	66-2	63	33	63	53	32.48	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB54	Instrumnet Name :	P8
Client Sample ID :	CCB54	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:55:13	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	250	300	275	275	9.09	cps
Zirconium	91-1	58	42	83	61	34.32	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:58:44	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	210	203	235	216	7.88	cps
Antimony	121-1	6510	6994	7010	6838	4.16	cps
Arsenic	75-2	109	133	146	130	14.50	cps
Barium	135-1	6986	6985	6952	6974	0.28	cps
Barium	137-1	11305	11322	11706	11444	1.98	cps
Beryllium	9-1	1387	1343	1327	1352	2.29	cps
Bismuth	209-1	1930949	1893422	1904709	1909693	1.01	cps
Bismuth	209-2	1056216	1062383	1059069	1059223	0.29	cps
Boron	10-1	4026	4326	4376	4242	4.46	cps
Boron	11-1	20724	21358	22051	21378	3.10	cps
Cadmium	111-1	1553	1177	1404	1378	13.77	cps
Cadmium	106-1	1142	817	950	970	16.85	cps
Cadmium	108-1	42	100	75	72	40.52	cps
Calcium	43-1	6468	6435	6415	6439	0.42	cps
Calcium	44-1	128474	129244	129258	128992	0.35	cps
Chromium	52-2	3137	3047	2877	3020	4.37	cps
Cobalt	59-2	1497	1480	1637	1538	5.60	cps
Copper	63-2	2760	2677	2737	2725	1.58	cps
Dysprosium	156-1	17	0	0	6	173.21	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	42	33	17	31	41.66	cps
Erbium	164-2	3	7	13	8	65.47	cps
Gadolinium	160-1	58	58	67	61	7.87	cps
Gadolinium	160-2	3	3	7	4	43.40	cps
Holmium	165-1	3276954	3298847	3301317	3292373	0.41	cps
Holmium	165-2	1442469	1433575	1448041	1441361	0.51	cps
Indium	115-1	3277993	3215284	3298568	3263949	1.33	cps
Indium	115-2	320036	324762	323389	322729	0.75	cps
Iron	56-2	32193	31876	31826	31965	0.62	cps
Iron	57-2	889	733	817	813	9.58	cps
Krypton	83-1	547	523	533	534	2.19	cps
Lead	206-1	2084	1817	1828	1909	7.90	cps
Lead	207-1	1550	1567	1717	1611	5.70	cps
Lead	208-1	7718	7346	7273	7446	3.20	cps
Lithium	6-1	1280498	1271195	1285717	1279137	0.58	cps
Magnesium	24-2	18913	19347	18905	19055	1.33	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:58:44	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	343	317	367	342	7.31	cps
Molybdenum	94-1	6785	6735	6527	6683	2.05	cps
Molybdenum	95-1	8853	8812	8737	8801	0.67	cps
Molybdenum	96-1	9921	9287	9204	9470	4.14	cps
Molybdenum	97-1	4993	5618	5276	5296	5.91	cps
Molybdenum	98-1	12732	13007	13407	13048	2.60	cps
Neodymium	150-1	7	33	13	18	78.05	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	567	630	520	572	9.65	cps
Phosphorus	31-2	58	42	50	50	16.67	cps
Potassium	39-2	18563	18079	18521	18388	1.46	cps
Rhodium	103-1	3380898	3374424	3348950	3368091	0.50	cps
Rhodium	103-2	1448064	1433593	1451871	1444509	0.67	cps
Scandium	45-1	3038880	2965340	3023668	3009296	1.29	cps
Scandium	45-2	46105	47380	46176	46554	1.54	cps
Selenium	77-2	7	0	17	8	107.84	cps
Selenium	78-2	15	28	19	20	32.77	cps
Selenium	82-1	283	332	326	314	8.55	cps
Silicon	28-1	15586379	15543613	15714288	15614760	0.57	cps
Silver	109-1	3734	3784	3792	3770	0.84	cps
Silver	107-1	4301	4151	4243	4231	1.79	cps
Sodium	23-2	57843	55928	56547	56773	1.72	cps
Strontium	86-1	1867	2034	1975	1959	4.32	cps
Strontium	88-1	9254	9145	9704	9368	3.16	cps
Sulfur	34-1	535513	538148	532022	535228	0.57	cps
Terbium	159-1	3564483	3505700	3576820	3549001	1.07	cps
Terbium	159-2	1490130	1481454	1491357	1487647	0.36	cps
Thallium	203-1	2192	1992	2050	2078	4.95	cps
Thallium	205-1	4893	4693	4476	4687	4.45	cps
Tin	118-1	11939	11731	12089	11920	1.51	cps
Titanium	47-1	3234	3009	3075	3106	3.72	cps
Uranium	238-1	5468	5335	5543	5449	1.94	cps
Vanadium	51-2	2967	2910	2870	2916	1.67	cps
Yttrium	89-1	3953668	3956486	3949977	3953377	0.08	cps
Yttrium	89-2	259438	258553	258543	258845	0.20	cps
Zinc	66-2	297	333	323	318	5.97	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 17:58:44	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5660	5793	5593	5682	1.79	cps
Zirconium	91-1	1142	1258	1292	1231	6.40	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118436BS	Instrumnet Name :	P8
Client Sample ID :	PB118436BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:02:15	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	92893	93618	91949	92820	0.90	cps
Antimony	121-1	2001096	2020121	2033919	2018379	0.82	cps
Arsenic	75-2	56485	56100	55596	56061	0.79	cps
Barium	135-1	1965341	1956458	1985584	1969128	0.76	cps
Barium	137-1	3353312	3419574	3434754	3402546	1.27	cps
Beryllium	9-1	734154	744481	753739	744125	1.32	cps
Bismuth	209-1	2039409	2136492	2138445	2104782	2.69	cps
Bismuth	209-2	1150942	1155492	1152707	1153047	0.20	cps
Boron	10-1	86168	88901	89739	88269	2.12	cps
Boron	11-1	421008	436505	441997	433170	2.51	cps
Cadmium	111-1	470113	476352	477884	474783	0.87	cps
Cadmium	106-1	50755	50914	49986	50551	0.98	cps
Cadmium	108-1	33859	34415	33981	34085	0.86	cps
Calcium	43-1	663645	657259	666926	662610	0.74	cps
Calcium	44-1	10740383	10692145	10873335	10768621	0.87	cps
Chromium	52-2	414235	410358	410496	411696	0.53	cps
Cobalt	59-2	766438	750850	754571	757286	1.07	cps
Copper	63-2	1255421	1245946	1247938	1249768	0.40	cps
Dysprosium	156-1	33	33	58	42	34.65	cps
Dysprosium	156-2	0	10	0	3	173.21	cps
Erbium	164-1	8	33	33	25	57.74	cps
Erbium	164-2	0	0	3	1	173.21	cps
Gadolinium	160-1	25	17	58	33	66.14	cps
Gadolinium	160-2	20	17	20	19	10.18	cps
Holmium	165-1	3531625	3698657	3696756	3642346	2.63	cps
Holmium	165-2	1581128	1562626	1610129	1584628	1.51	cps
Indium	115-1	3411651	3543982	3552349	3502661	2.25	cps
Indium	115-2	333649	328299	328729	330226	0.90	cps
Iron	56-2	14881092	14758120	14636883	14758698	0.83	cps
Iron	57-2	371211	364412	370997	368873	1.05	cps
Krypton	83-1	563	570	590	574	2.42	cps
Lead	206-1	884313	909163	917216	903564	1.90	cps
Lead	207-1	784532	820077	828182	810930	2.86	cps
Lead	208-1	3603149	3701893	3771173	3692072	2.29	cps
Lithium	6-1	1390187	1390619	1439008	1406605	2.00	cps
Magnesium	24-2	1978484	1949250	1949194	1958976	0.86	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118436BS	Instrumnet Name :	P8
Client Sample ID :	PB118436BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:02:15	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	275558	273729	272091	273793	0.63	cps
Molybdenum	94-1	3878293	3969120	3964090	3937168	1.30	cps
Molybdenum	95-1	4839765	4890769	4878947	4869827	0.55	cps
Molybdenum	96-1	5305227	5384804	5453433	5381155	1.38	cps
Molybdenum	97-1	2955521	3018331	3041138	3004997	1.48	cps
Molybdenum	98-1	7615441	7610751	7643549	7623247	0.23	cps
Neodymium	150-1	140	113	87	113	23.53	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	223636	219743	221784	221721	0.88	cps
Phosphorus	31-2	8128	8244	8103	8158	0.93	cps
Potassium	39-2	599187	593001	593925	595371	0.56	cps
Rhodium	103-1	3449162	3523848	3475992	3483001	1.09	cps
Rhodium	103-2	1468256	1460796	1454975	1461342	0.46	cps
Scandium	45-1	3160218	3117128	3204577	3160641	1.38	cps
Scandium	45-2	47771	46002	47737	47170	2.15	cps
Selenium	77-2	520	470	457	482	6.92	cps
Selenium	78-2	1654	1683	1656	1664	1.00	cps
Selenium	82-1	36182	36233	36647	36354	0.70	cps
Silicon	28-1	17792561	17767719	17849918	17803399	0.24	cps
Silver	109-1	2129912	2141342	2179934	2150396	1.22	cps
Silver	107-1	2217317	2216700	2250969	2228329	0.88	cps
Sodium	23-2	4407347	4412513	4376377	4398746	0.44	cps
Strontium	86-1	687311	693199	695534	692015	0.61	cps
Strontium	88-1	5796396	5800369	5977087	5857951	1.76	cps
Sulfur	34-1	771426	762198	750654	761426	1.37	cps
Terbium	159-1	3832659	3947438	3970188	3916762	1.88	cps
Terbium	159-2	1618784	1610434	1598754	1609324	0.63	cps
Thallium	203-1	1111758	1139017	1161151	1137309	2.18	cps
Thallium	205-1	2722112	2788456	2765778	2758782	1.22	cps
Tin	118-1	1293996	1329700	1334388	1319361	1.67	cps
Titanium	47-1	1670883	1636672	1703835	1670463	2.01	cps
Uranium	238-1	3351957	3359685	3472350	3394664	1.99	cps
Vanadium	51-2	306205	301662	302325	303397	0.81	cps
Yttrium	89-1	4196797	4244653	4280717	4240723	0.99	cps
Yttrium	89-2	267213	266894	265164	266424	0.41	cps
Zinc	66-2	149607	148726	147663	148665	0.65	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118436BS	Instrumnet Name :	P8
Client Sample ID :	PB118436BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:02:15	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3144916	3250159	3232498	3209191	1.76	cps
Zirconium	91-1	688231	704154	702623	698336	1.26	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BL	Instrumnet Name :	P8
Client Sample ID :	PB118437BL	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:07:27	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	73	68	63	68	7.41	cps
Antimony	121-1	500	658	542	567	14.48	cps
Arsenic	75-2	6	9	11	9	32.69	cps
Barium	135-1	25	8	17	17	50.01	cps
Barium	137-1	0	8	33	14	124.92	cps
Beryllium	9-1	140	143	137	140	2.38	cps
Bismuth	209-1	2092865	2075558	2069792	2079405	0.58	cps
Bismuth	209-2	1124844	1134188	1148279	1135770	1.04	cps
Boron	10-1	1483	1217	1333	1345	9.94	cps
Boron	11-1	6877	6343	6568	6596	4.06	cps
Cadmium	111-1	782	610	756	716	12.97	cps
Cadmium	106-1	1117	900	1058	1025	10.94	cps
Cadmium	108-1	0	29	8	13	120.20	cps
Calcium	43-1	537	510	500	516	3.68	cps
Calcium	44-1	34122	34726	34239	34362	0.93	cps
Chromium	52-2	1520	1413	1607	1513	6.40	cps
Cobalt	59-2	90	97	113	100	12.02	cps
Copper	63-2	517	643	503	554	13.94	cps
Dysprosium	156-1	0	42	17	19	107.85	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	25	17	17	19	24.73	cps
Erbium	164-2	0	0	3	1	173.21	cps
Gadolinium	160-1	17	58	42	39	53.93	cps
Gadolinium	160-2	10	20	3	11	75.52	cps
Holmium	165-1	3537466	3512770	3530712	3526983	0.36	cps
Holmium	165-2	1531834	1538223	1530364	1533474	0.27	cps
Indium	115-1	3458900	3440164	3496902	3465322	0.83	cps
Indium	115-2	330311	336473	339972	335585	1.46	cps
Iron	56-2	2995	3062	3106	3054	1.83	cps
Iron	57-2	111	94	61	89	28.64	cps
Krypton	83-1	577	510	530	539	6.35	cps
Lead	206-1	472	589	394	485	20.17	cps
Lead	207-1	578	456	517	517	11.83	cps
Lead	208-1	2017	2133	2078	2076	2.81	cps
Lithium	6-1	1378754	1367233	1396123	1380703	1.05	cps
Magnesium	24-2	542	433	575	517	14.34	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BL	Instrumnet Name :	P8
Client Sample ID :	PB118437BL	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:07:27	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	73	57	67	66	12.79	cps
Molybdenum	94-1	192	242	175	203	17.11	cps
Molybdenum	95-1	317	200	233	250	24.04	cps
Molybdenum	96-1	275	342	233	283	19.29	cps
Molybdenum	97-1	167	183	133	161	15.80	cps
Molybdenum	98-1	400	350	400	383	7.53	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	90	100	70	87	17.63	cps
Phosphorus	31-2	17	0	17	11	86.60	cps
Potassium	39-2	7694	6602	7344	7213	7.73	cps
Rhodium	103-1	3582863	3562424	3558159	3567815	0.37	cps
Rhodium	103-2	1457302	1483872	1486568	1475914	1.10	cps
Scandium	45-1	3169598	3096353	3069805	3111919	1.66	cps
Scandium	45-2	46560	46821	46677	46686	0.28	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	6	6	5	21.74	cps
Selenium	82-1	23	31	-14	13	179.18	cps
Silicon	28-1	15748160	15846207	15804129	15799499	0.31	cps
Silver	109-1	283	275	275	278	1.73	cps
Silver	107-1	325	317	383	342	10.63	cps
Sodium	23-2	16285	16652	16101	16346	1.72	cps
Strontium	86-1	942	875	725	847	13.10	cps
Strontium	88-1	108	83	58	83	30.00	cps
Sulfur	34-1	495090	499069	495522	496561	0.44	cps
Terbium	159-1	3750191	3800487	3765942	3772206	0.68	cps
Terbium	159-2	1588859	1592799	1597743	1593134	0.28	cps
Thallium	203-1	117	133	108	119	10.66	cps
Thallium	205-1	267	183	300	250	24.04	cps
Tin	118-1	275	233	342	283	19.29	cps
Titanium	47-1	92	242	133	156	49.78	cps
Uranium	238-1	33	33	33	33	0.00	cps
Vanadium	51-2	10	30	17	19	53.91	cps
Yttrium	89-1	4160704	4204024	4127448	4164059	0.92	cps
Yttrium	89-2	264939	262644	267971	265185	1.01	cps
Zinc	66-2	57	47	87	63	32.87	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BL	Instrumnet Name :	P8
Client Sample ID :	PB118437BL	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:07:27	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	342	458	333	378	18.50	cps
Zirconium	91-1	100	83	58	81	26.03	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : PB118437BS Instrumnet Name : P8
 Client Sample ID : PB118437BS Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 18:10:57 DataFile Name : 025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	91587	92830	91858	92092	0.71	cps
Antimony	121-1	1963058	2046028	2037872	2015653	2.27	cps
Arsenic	75-2	55422	55604	55483	55503	0.17	cps
Barium	135-1	1925327	2019361	1995540	1980076	2.47	cps
Barium	137-1	3300715	3403542	3447133	3383797	2.22	cps
Beryllium	9-1	727312	742907	756935	742385	2.00	cps
Bismuth	209-1	2105989	2170955	2197887	2158277	2.19	cps
Bismuth	209-2	1163946	1163316	1183312	1170191	0.97	cps
Boron	10-1	85364	89194	92061	88873	3.78	cps
Boron	11-1	418912	439603	444335	434283	3.11	cps
Cadmium	111-1	462551	474703	480618	472624	1.95	cps
Cadmium	106-1	49944	50931	51541	50805	1.59	cps
Cadmium	108-1	33099	34206	35008	34104	2.81	cps
Calcium	43-1	642729	665040	664995	657588	1.96	cps
Calcium	44-1	10352219	10767484	10760700	10626801	2.24	cps
Chromium	52-2	412439	410921	411725	411695	0.18	cps
Cobalt	59-2	759209	756240	759120	758190	0.22	cps
Copper	63-2	1252134	1231136	1252820	1245363	0.99	cps
Dysprosium	156-1	42	67	17	42	60.00	cps
Dysprosium	156-2	0	3	17	7	132.33	cps
Erbium	164-1	0	42	33	25	88.19	cps
Erbium	164-2	7	23	7	12	78.69	cps
Gadolinium	160-1	58	25	75	53	48.24	cps
Gadolinium	160-2	7	13	7	9	43.25	cps
Holmium	165-1	3616880	3683173	3768321	3689458	2.06	cps
Holmium	165-2	1586951	1612467	1602486	1600635	0.80	cps
Indium	115-1	3452980	3477791	3551605	3494125	1.47	cps
Indium	115-2	332831	332342	331922	332365	0.14	cps
Iron	56-2	14769543	14768939	14623036	14720506	0.57	cps
Iron	57-2	371365	366020	368660	368682	0.72	cps
Krypton	83-1	613	570	583	589	3.77	cps
Lead	206-1	879555	914406	930076	908013	2.85	cps
Lead	207-1	796045	823287	837821	819051	2.59	cps
Lead	208-1	3646218	3748691	3795934	3730281	2.05	cps
Lithium	6-1	1378146	1408712	1415313	1400724	1.42	cps
Magnesium	24-2	1991737	1944539	1964399	1966891	1.20	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BS	Instrumnet Name :	P8
Client Sample ID :	PB118437BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:10:57	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	274007	271904	271338	272417	0.52	cps
Molybdenum	94-1	3866743	3989290	4035782	3963938	2.20	cps
Molybdenum	95-1	4847997	4924976	5007428	4926800	1.62	cps
Molybdenum	96-1	5284697	5444162	5312541	5347133	1.59	cps
Molybdenum	97-1	2942681	3005896	3023228	2990602	1.42	cps
Molybdenum	98-1	7480674	7676572	7812970	7656739	2.18	cps
Neodymium	150-1	107	120	67	98	28.39	cps
Neodymium	150-2	0	10	10	7	86.60	cps
Nickel	60-2	220427	221228	222242	221299	0.41	cps
Phosphorus	31-2	8078	8153	7611	7947	3.70	cps
Potassium	39-2	593709	588732	591706	591382	0.42	cps
Rhodium	103-1	3469138	3588453	3562002	3539864	1.77	cps
Rhodium	103-2	1479369	1467313	1466088	1470924	0.50	cps
Scandium	45-1	3055930	3155071	3184226	3131742	2.15	cps
Scandium	45-2	47243	47584	47283	47370	0.39	cps
Selenium	77-2	543	480	483	502	7.10	cps
Selenium	78-2	1548	1702	1672	1641	4.97	cps
Selenium	82-1	35107	36084	36669	35953	2.20	cps
Silicon	28-1	17742357	17786116	17890186	17806220	0.43	cps
Silver	109-1	2095460	2146149	2183043	2141551	2.05	cps
Silver	107-1	2220426	2260251	2291985	2257554	1.59	cps
Sodium	23-2	4468159	4443903	4427743	4446602	0.46	cps
Strontium	86-1	671396	683210	703160	685922	2.34	cps
Strontium	88-1	5733868	5750039	5927651	5803852	1.85	cps
Sulfur	34-1	722019	722377	725094	723163	0.23	cps
Terbium	159-1	3850676	3965370	3963232	3926426	1.67	cps
Terbium	159-2	1639071	1634994	1626686	1633583	0.39	cps
Thallium	203-1	1112931	1156730	1181056	1150239	3.00	cps
Thallium	205-1	2703634	2786305	2848494	2779478	2.61	cps
Tin	118-1	1292174	1321335	1349745	1321085	2.18	cps
Titanium	47-1	1608341	1664826	1658751	1643972	1.89	cps
Uranium	238-1	3315207	3450601	3451613	3405807	2.30	cps
Vanadium	51-2	304024	302258	304608	303630	0.40	cps
Yttrium	89-1	4261453	4276181	4240039	4259224	0.43	cps
Yttrium	89-2	266637	266845	269231	267571	0.54	cps
Zinc	66-2	150539	148619	148990	149383	0.68	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	PB118437BS	Instrumnet Name :	P8
Client Sample ID :	PB118437BS	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:10:57	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3115716	3206030	3230785	3184177	1.90	cps
Zirconium	91-1	691239	706763	706269	701424	1.26	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:18:03	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	511984	511379	511068	511477	0.09	cps
Antimony	121-1	2059349	2085677	2081160	2075396	0.68	cps
Arsenic	75-2	57541	57606	58220	57789	0.65	cps
Barium	135-1	2019462	2058976	2035270	2037903	0.98	cps
Barium	137-1	3548311	3527372	3536472	3537385	0.30	cps
Beryllium	9-1	786440	799641	793908	793329	0.83	cps
Bismuth	209-1	2144097	2183887	2167091	2165025	0.92	cps
Bismuth	209-2	1197088	1181012	1179657	1185919	0.82	cps
Boron	10-1	93110	95232	98740	95694	2.97	cps
Boron	11-1	456878	471176	474899	467651	2.03	cps
Cadmium	111-1	482755	476494	480156	479802	0.66	cps
Cadmium	106-1	52110	51241	51784	51712	0.85	cps
Cadmium	108-1	34403	34240	34983	34542	1.13	cps
Calcium	43-1	3280087	3296486	3229731	3268768	1.06	cps
Calcium	44-1	52437391	53575479	53148663	53053844	1.08	cps
Chromium	52-2	424207	422883	425100	424063	0.26	cps
Cobalt	59-2	775447	778619	773720	775929	0.32	cps
Copper	63-2	1282501	1286672	1288552	1285908	0.24	cps
Dysprosium	156-1	25	17	17	19	24.73	cps
Dysprosium	156-2	10	10	3	8	49.52	cps
Erbium	164-1	50	33	42	42	20.00	cps
Erbium	164-2	13	7	3	8	65.47	cps
Gadolinium	160-1	50	58	67	58	14.29	cps
Gadolinium	160-2	20	0	23	14	87.37	cps
Holmium	165-1	3744345	3724534	3777845	3748908	0.72	cps
Holmium	165-2	1674493	1658235	1663676	1665468	0.50	cps
Indium	115-1	3496290	3431419	3523692	3483800	1.36	cps
Indium	115-2	337315	341534	337277	338709	0.72	cps
Iron	56-2	74635857	74595938	74393868	74541888	0.17	cps
Iron	57-2	1897244	1894352	1896802	1896133	0.08	cps
Krypton	83-1	570	563	570	568	0.68	cps
Lead	206-1	934992	953327	949558	945959	1.02	cps
Lead	207-1	832910	863629	845494	847344	1.82	cps
Lead	208-1	3826550	3957701	3858193	3880815	1.76	cps
Lithium	6-1	1505648	1522175	1511058	1512960	0.56	cps
Magnesium	24-2	9525902	9469305	9507497	9500901	0.30	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:18:03	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	278004	280870	277753	278876	0.62	cps
Molybdenum	94-1	4075338	4076064	4189924	4113775	1.60	cps
Molybdenum	95-1	5061602	5058246	5186980	5102276	1.44	cps
Molybdenum	96-1	5526057	5641842	5717864	5628588	1.72	cps
Molybdenum	97-1	3120008	3105433	3169670	3131704	1.08	cps
Molybdenum	98-1	7916267	7931381	8088307	7978652	1.19	cps
Neodymium	150-1	133	53	107	98	41.66	cps
Neodymium	150-2	10	10	7	9	21.63	cps
Nickel	60-2	226249	225852	225576	225892	0.15	cps
Phosphorus	31-2	8344	7903	8428	8225	3.43	cps
Potassium	39-2	3034750	3032570	3012069	3026463	0.41	cps
Rhodium	103-1	3470669	3489978	3533055	3497901	0.91	cps
Rhodium	103-2	1468009	1466136	1456488	1463544	0.42	cps
Scandium	45-1	3192277	3200700	3220560	3204512	0.45	cps
Scandium	45-2	48524	47992	47015	47844	1.60	cps
Selenium	77-2	543	470	620	544	13.78	cps
Selenium	78-2	1872	1902	1795	1856	2.99	cps
Selenium	82-1	39499	39588	39026	39371	0.77	cps
Silicon	28-1	18230998	18263705	18327866	18274189	0.27	cps
Silver	109-1	2181099	2141482	2180909	2167830	1.05	cps
Silver	107-1	2292371	2262374	2270826	2275190	0.68	cps
Sodium	23-2	21907910	21768539	21702073	21792841	0.48	cps
Strontium	86-1	722257	713388	720205	718617	0.65	cps
Strontium	88-1	6057477	6030117	6021376	6036323	0.31	cps
Sulfur	34-1	740838	739052	741725	740538	0.18	cps
Terbium	159-1	3993767	4051008	4000999	4015258	0.78	cps
Terbium	159-2	1687199	1699608	1689176	1691994	0.39	cps
Thallium	203-1	1173737	1183100	1195276	1184037	0.91	cps
Thallium	205-1	2844215	2921066	2839993	2868425	1.59	cps
Tin	118-1	1339552	1335354	1356666	1343858	0.84	cps
Titanium	47-1	1684065	1719808	1729124	1710999	1.39	cps
Uranium	238-1	3706334	3739066	3701185	3715528	0.55	cps
Vanadium	51-2	315527	316003	316567	316032	0.16	cps
Yttrium	89-1	4384981	4321386	4339354	4348574	0.75	cps
Yttrium	89-2	276822	275619	273360	275267	0.64	cps
Zinc	66-2	156016	158369	158716	157700	0.93	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCV55	Instrumnet Name :	P8
Client Sample ID :	CCV55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:18:03	DataFile Name :	027CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3369646	3352870	3357935	3360150	0.26	cps
Zirconium	91-1	733357	733444	746934	737912	1.06	cps

LB Number : LB101856 Operator : Jaswal
 Lab Sample ID : CCB55 Instrumnet Name : P8
 Client Sample ID : CCB55 Dilution Factor : 1
 Date & Time Acquired :: 2019-04-01 18:22:51 DataFile Name : 028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	48	70	68	62	20.00	cps
Antimony	121-1	817	900	800	839	6.39	cps
Arsenic	75-2	20	17	19	19	9.99	cps
Barium	135-1	42	25	42	36	26.65	cps
Barium	137-1	25	50	25	33	43.30	cps
Beryllium	9-1	177	183	170	177	3.78	cps
Bismuth	209-1	2159275	2183783	2137035	2160031	1.08	cps
Bismuth	209-2	1188414	1197705	1196873	1194330	0.43	cps
Boron	10-1	2017	2125	1992	2045	3.47	cps
Boron	11-1	10755	10588	10129	10490	3.09	cps
Cadmium	111-1	776	717	668	720	7.56	cps
Cadmium	106-1	1083	1017	958	1020	6.13	cps
Cadmium	108-1	4	17	17	13	57.72	cps
Calcium	43-1	530	523	520	524	0.97	cps
Calcium	44-1	35221	34957	34937	35038	0.45	cps
Chromium	52-2	1383	1530	1377	1430	6.06	cps
Cobalt	59-2	103	87	83	91	11.76	cps
Copper	63-2	687	643	643	658	3.80	cps
Dysprosium	156-1	0	8	0	3	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	25	17	33	25	33.32	cps
Erbium	164-2	0	13	0	4	173.21	cps
Gadolinium	160-1	42	58	42	47	20.38	cps
Gadolinium	160-2	3	7	0	3	100.05	cps
Holmium	165-1	3606390	3648899	3619618	3624969	0.60	cps
Holmium	165-2	1591405	1624553	1611358	1609105	1.04	cps
Indium	115-1	3548213	3563290	3552140	3554548	0.22	cps
Indium	115-2	346776	349076	349109	348320	0.38	cps
Iron	56-2	3517	3523	3595	3545	1.22	cps
Iron	57-2	94	94	111	100	9.62	cps
Krypton	83-1	607	527	493	542	10.74	cps
Lead	206-1	817	933	922	891	7.23	cps
Lead	207-1	828	756	811	798	4.74	cps
Lead	208-1	3656	3739	3711	3702	1.15	cps
Lithium	6-1	1471944	1520653	1486648	1493082	1.67	cps
Magnesium	24-2	575	625	583	594	4.51	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB55	Instrumnet Name :	P8
Client Sample ID :	CCB55	Dilution Factor :	1
Date & Time Acquired ::	2019-04-01 18:22:51	DataFile Name :	028CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	57	43	73	58	26.01	cps
Molybdenum	94-1	425	375	433	411	7.67	cps
Molybdenum	95-1	367	325	325	339	7.10	cps
Molybdenum	96-1	367	342	425	378	11.32	cps
Molybdenum	97-1	217	150	258	208	26.23	cps
Molybdenum	98-1	517	508	417	481	11.55	cps
Neodymium	150-1	27	13	13	18	43.33	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	37	70	93	67	42.72	cps
Phosphorus	31-2	0	17	33	17	100.00	cps
Potassium	39-2	7777	7853	7903	7844	0.80	cps
Rhodium	103-1	3647879	3706976	3658556	3671137	0.86	cps
Rhodium	103-2	1542386	1528774	1561940	1544367	1.08	cps
Scandium	45-1	3210258	3205525	3174042	3196608	0.62	cps
Scandium	45-2	47620	48497	48761	48293	1.24	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	4	2	6	4	50.09	cps
Selenium	82-1	-68	50	76	19	402.67	cps
Silicon	28-1	16558087	16531647	16483606	16524447	0.23	cps
Silver	109-1	600	558	533	564	5.97	cps
Silver	107-1	500	600	600	567	10.19	cps
Sodium	23-2	25282	26309	25457	25682	2.14	cps
Strontium	86-1	817	825	825	822	0.59	cps
Strontium	88-1	75	25	83	61	51.63	cps
Sulfur	34-1	501258	500155	502732	501382	0.26	cps
Terbium	159-1	3943684	3929836	3933708	3935743	0.18	cps
Terbium	159-2	1651678	1662755	1669029	1661154	0.53	cps
Thallium	203-1	100	150	83	111	31.22	cps
Thallium	205-1	133	167	133	144	13.33	cps
Tin	118-1	567	442	350	453	24.02	cps
Titanium	47-1	183	225	158	189	17.83	cps
Uranium	238-1	58	58	17	44	54.12	cps
Vanadium	51-2	13	17	7	12	41.65	cps
Yttrium	89-1	4291694	4292009	4331126	4304943	0.53	cps
Yttrium	89-2	274670	277734	276923	276442	0.57	cps
Zinc	66-2	40	63	83	62	34.86	cps

LB Number :	LB101856	Operator :	Jaswal
Lab Sample ID :	CCB55	Instrumnet Name :	P8
Client Sample ID :	CCB55	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	392	308	283	328	17.31	cps
Zirconium	91-1	142	125	92	119	21.31	cps