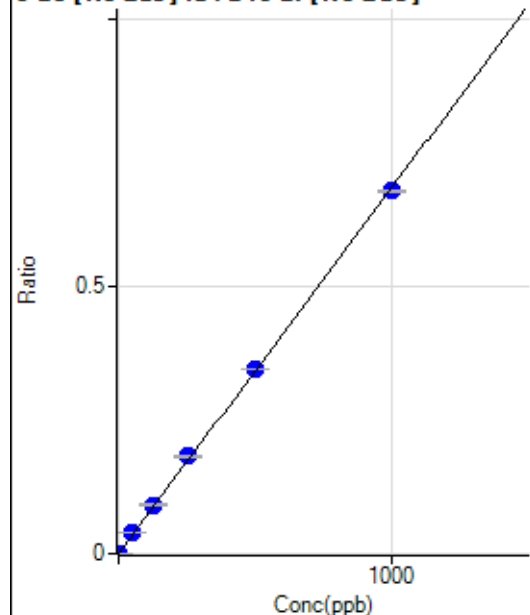


Batch Folder: D:\ICP-MS Data\P7010419-MS.b\
Analysis File: P7010419-MS.batch.bin
DA Date-Time: 2019-01-04 14:23:09
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2019-01-04 13:06:51
2			
3	005CALS.d	S02	2019-01-04 13:14:31
4	006CALS.d	S03	2019-01-04 13:18:26
5	007CALS.d	S04	2019-01-04 13:22:20
6	008CALS.d	S05	2019-01-04 13:26:09
7	009CALS.d	S06	2019-01-04 13:29:56
8	010CALS.d	S07	2019-01-04 13:33:41
9	011CALS.d	S08	2019-01-04 13:37:25

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0000	P	26.0
2	☐	0.100					
3	☐	1.000	1.033	2546.58	0.0007	P	2.6
4	☐	50.000	56.597	140247.07	0.0387	P	0.4
5	☐	125.000	133.460	328803.02	0.0913	P	2.2
6	☐	250.000	266.404	606814.87	0.1823	P	0.8
7	☐	500.000	504.701	1133941.75	0.3454	P	0.9
8	☐	1000.000	992.161	2227185.58	0.6790	P	0.4
9	☐			342.61	0.0001	P	13.1

$$y = 6.8439\text{E-}004 * x + 1.0892\text{E-}005$$

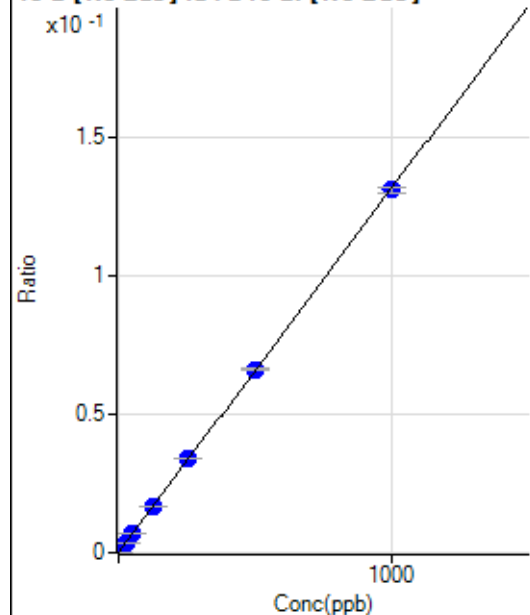
$$R = 0.9998$$

$$DL = 0.01241$$

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	297.24	0.0001	P	5.4
2	☐	2.500					
3	☐	25.000	24.153	11571.58	0.0033	P	6.5
4	☐	50.000	53.599	25839.43	0.0071	P	1.1
5	☐	125.000	126.815	60391.09	0.0168	P	0.8
6	☐	250.000	259.211	113826.61	0.0342	P	0.7
7	☐	500.000	502.985	217622.86	0.0663	P	0.7
8	☐	1000.000	995.819	430195.09	0.1312	P	1.7
9	☐			9600.62	0.0032	P	5.8

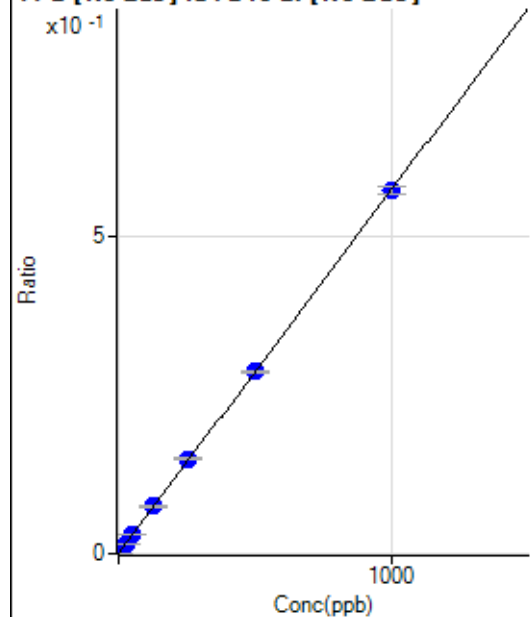
$$y = 1.3163\text{E-}004 * x + 8.3058\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.1026$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1361.23	0.0004	P	5.8
2	☐	2.500					
3	☐	25.000	23.945	50075.51	0.0141	P	1.4
4	☐	50.000	53.936	113370.17	0.0313	P	1.0
5	☐	125.000	128.962	267688.79	0.0744	P	1.1
6	☐	250.000	260.975	499427.51	0.1501	P	2.2
7	☐	500.000	499.556	942023.10	0.2869	P	0.6
8	☐	1000.000	996.812	1876750.00	0.5722	P	2.0
9	☐			41421.86	0.0138	P	9.5

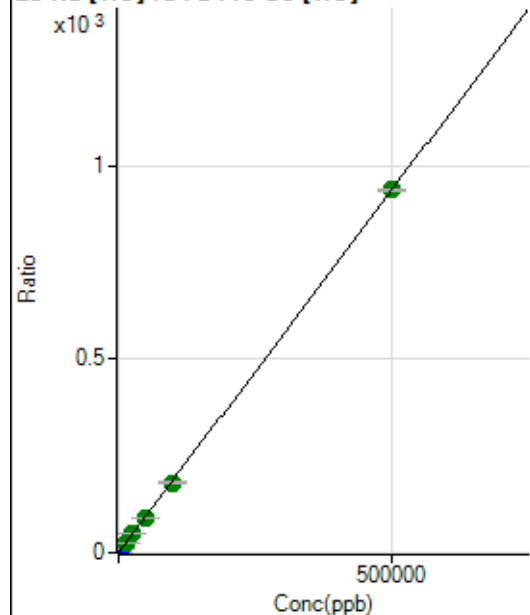
$$y = 5.7364\text{E-}004 * x + 3.8038\text{E-}004$$

$$R = 0.9999$$

$$DL = 0.1154$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4903.80	0.0222	P	2.7
2	☐	50.000					
3	☐	500.000	431.079	180845.63	0.8295	P	1.7
4	☐	5000.000	4938.363	1942044.62	9.2709	P	0.7
5	☐	12500.000	12229.088	4349775.10	22.9252	A	0.7
6	☐	25000.000	25387.761	7994586.90	47.5692	A	0.3
7	☐	50000.000	48453.592	15664197.23	90.7677	A	0.6
8	☐	100000.00	96631.036	32195488.22	180.9961	A	1.8
9	☐	500000.00	500816.50	170270823.2	937.9684	A	0.7

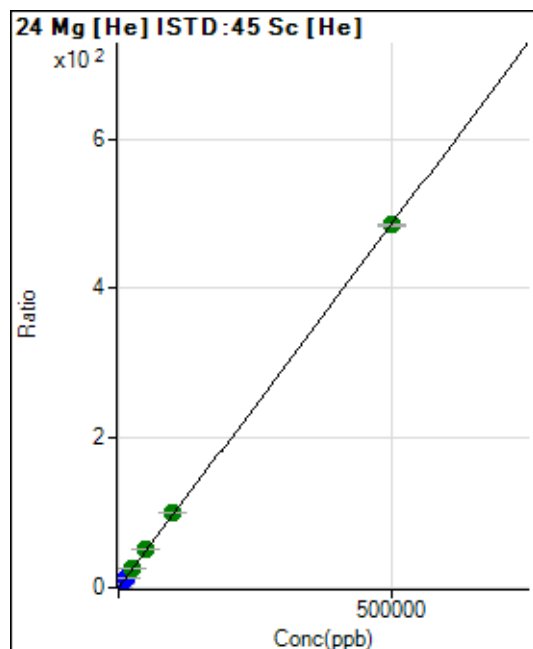
$$y = 0.0019 * x + 0.0222$$

$$R = 1.0000$$

$$DL = 0.9558$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	72.23	0.0003	P	69.9
2	☐	50.000					
3	☐	500.000	459.301	97443.49	0.4469	P	0.8
4	☐	5000.000	5322.045	1084139.99	5.1754	P	0.4
5	☐	12500.000	13246.962	2443948.12	12.8814	P	1.5
6	☐	25000.000	27308.985	4462884.87	26.5550	A	0.3
7	☐	50000.000	51845.151	8700066.52	50.4135	A	0.7
8	☐	100000.00	103307.25	17868673.14	100.4543	A	1.8
9	☐	500000.00	499016.73	88083935.99	485.2343	A	0.7

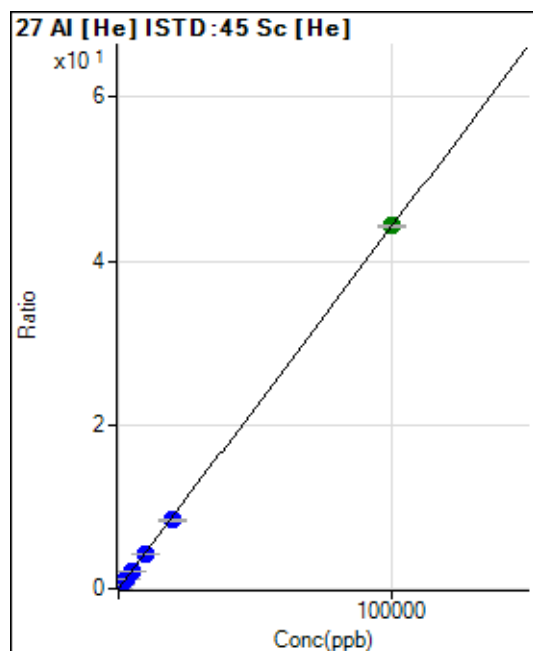
$$y = 9.7238\text{E-}004 * x + 3.2670\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.7045$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.56	0.0001	P	41.2
2	☐	2.000					
3	☐	20.000	17.266	1691.83	0.0078	P	8.1
4	☐	1000.000	990.276	91616.43	0.4374	P	1.6
5	☐	2500.000	2457.407	205884.33	1.0851	P	1.2
6	☐	5000.000	5014.510	372123.37	2.2142	P	0.4
7	☐	10000.000	9541.002	726994.66	4.2127	P	1.2
8	☐	20000.000	18986.391	1491126.95	8.3831	P	2.1
9	☐	100000.00	100249.05	8035007.30	44.2627	A	0.6

$$y = 4.4153\text{E-}004 * x + 1.3793\text{E-}004$$

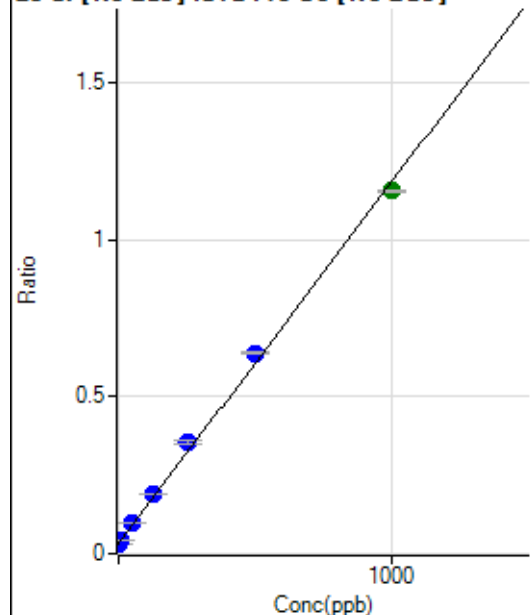
$$R = 0.9999$$

$$DL = 0.3862$$

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	170503.75	0.0332	P	1.3
2	☐	1.000					
3	☐	10.000	9.882	222189.65	0.0446	P	1.4
4	☐	50.000	58.489	497136.08	0.1004	P	0.2
5	☐	125.000	136.623	904494.75	0.1902	P	1.5
6	☐	250.000	281.498	1464507.26	0.3567	P	2.6
7	☐	500.000	527.732	2561650.43	0.6396	P	0.3
8	☐	1000.000	976.383	4697786.56	1.1551	A	0.8
9	☐			407562.57	0.0986	P	1.8

$$y = 0.0011 * x + 0.0332$$

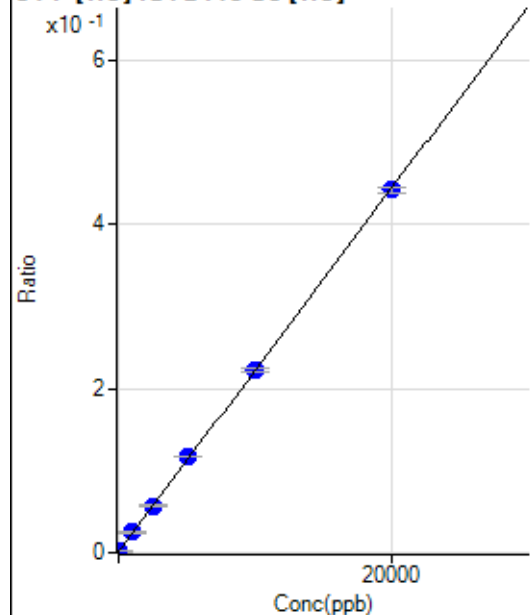
$$R = 0.9988$$

$$DL = 1.145$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-24.070	122.23	0.0006	P	7.3
2	☐	0.000					
3	☐	0.000	24.070	352.80	0.0016	P	19.4
4	☐	1000.000	1075.597	5212.21	0.0249	P	6.1
5	☐	2500.000	2538.354	10859.98	0.0572	P	1.5
6	☐	5000.000	5267.438	19766.46	0.1176	P	0.8
7	☐	10000.000	10021.361	38444.71	0.2228	P	2.5
8	☐	20000.000	19913.886	78562.69	0.4416	P	1.3
9	☐			175.01	0.0010	P	8.5

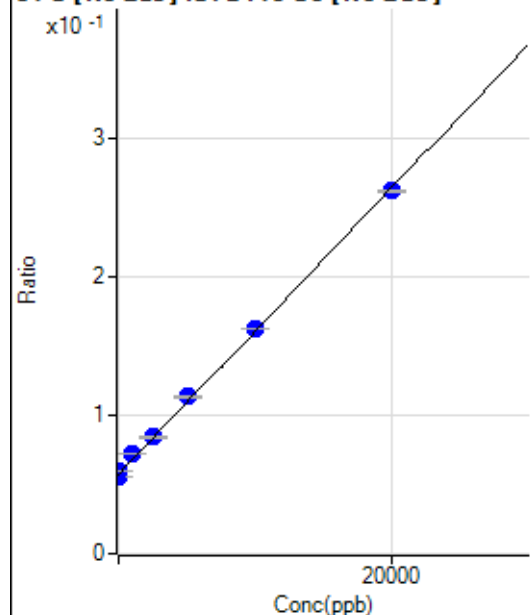
$$y = 2.2123E-005 * x + 0.0011$$

$$R = 0.9999$$

$$DL = 23.96$$

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	-205.270	284695.61	0.0555	P	0.5
2	☐	0.000					
3	☐	0.000	205.270	297707.78	0.0597	P	1.1
4	☐	1000.000	1395.958	356759.98	0.0721	P	0.2
5	☐	2500.000	2598.393	402011.04	0.0845	P	1.3
6	☐	5000.000	5394.800	466247.88	0.1135	P	1.9
7	☐	10000.000	10189.527	653865.11	0.1632	P	0.3
8	☐	20000.000	19774.439	1068182.35	0.2626	P	0.2
9	☐			235847.34	0.0570	P	1.3

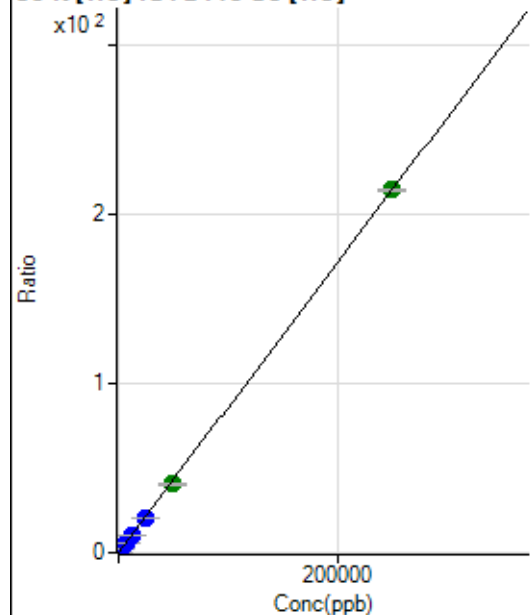
$$y = 1.0370\text{E-}005 * x + 0.0576$$

$$R = 0.9995$$

$$DL = 128.4$$

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	13881.99	0.0627	P	2.4
2	☐	50.000					
3	☐	500.000	451.243	97684.49	0.4481	P	1.6
4	☐	2500.000	2472.612	455420.06	2.1741	P	0.4
5	☐	6250.000	6097.947	999808.07	5.2697	P	1.3
6	☐	12500.000	12400.087	1790015.88	10.6509	P	0.4
7	☐	25000.000	23463.221	3468248.60	20.0975	P	1.1
8	☐	50000.000	47316.786	7198337.66	40.4656	A	1.4
9	☐	250000.00	250699.48	38871498.78	214.1300	A	0.3

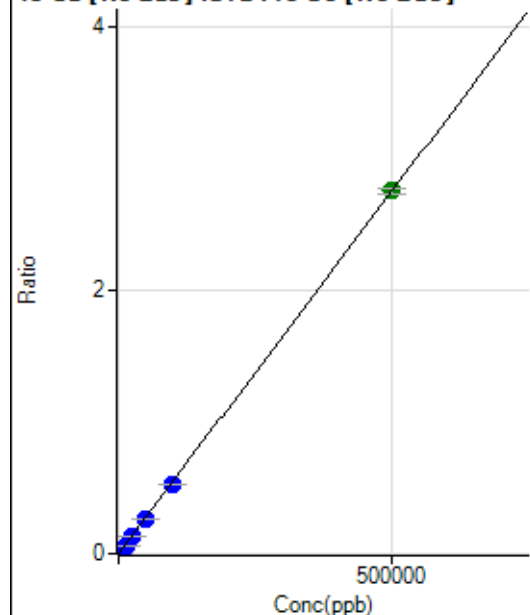
$$y = 8.5388\text{E-}004 * x + 0.0627$$

$$R = 0.9999$$

$$DL = 5.239$$

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	88.89	0.0000	P	25.8
2	☐	50.000					
3	☐	500.000	424.601	11710.62	0.0023	P	3.8
4	☐	5000.000	4882.817	132847.69	0.0268	P	1.0
5	☐	12500.000	11709.986	305919.90	0.0643	P	1.6
6	☐	25000.000	24829.461	560053.50	0.1364	P	2.0
7	☐	50000.000	47532.308	1045606.73	0.2611	P	0.4
8	☐	100000.00	95136.822	2125026.87	0.5225	P	0.6
9	☐	500000.00	501248.92	11380221.52	2.7528	A	1.8

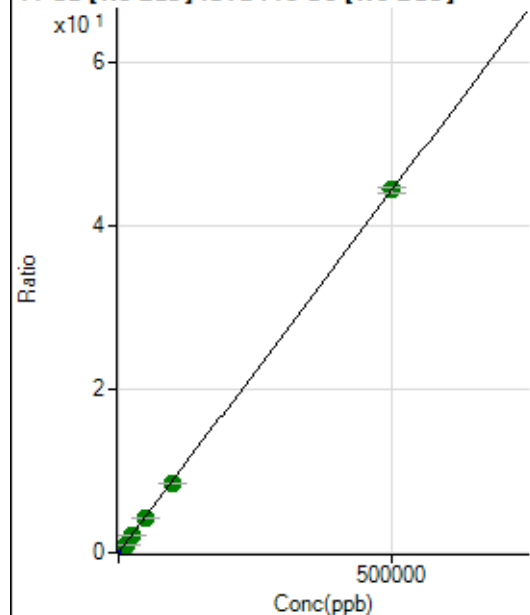
$$y = 5.4919\text{E-}006 * x + 1.7282\text{E-}005$$

$$R = 0.9999$$

$$DL = 2.44$$

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	4917.98	0.0010	P	3.4
2	☐	50.000					
3	☐	500.000	430.393	194461.47	0.0390	P	1.0
4	☐	5000.000	4841.391	2123660.40	0.4289	P	0.9
5	☐	12500.000	11644.801	4900218.38	1.0304	A	1.8
6	☐	25000.000	24654.711	8954964.35	2.1805	A	1.8
7	☐	50000.000	47364.369	16774460.79	4.1881	A	0.2
8	☐	100000.00	95132.580	34207888.26	8.4109	A	0.4
9	☐	500000.00	501277.34	183206465.2	44.3150	A	1.4

$$y = 8.8402\text{E-}005 * x + 9.5802\text{E-}004$$

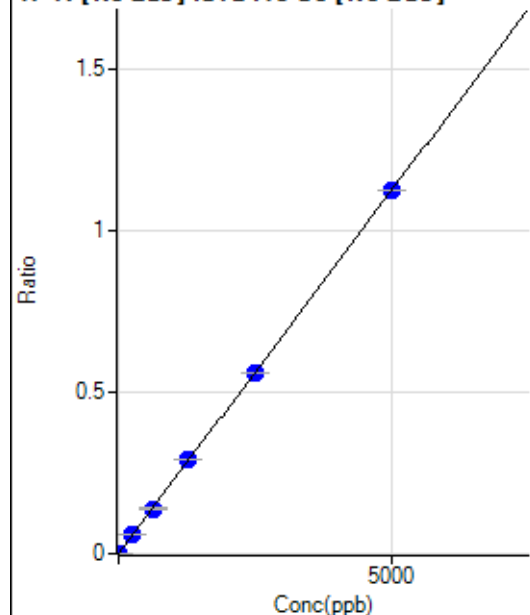
$$R = 0.9999$$

$$DL = 1.09$$

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	69.45	0.0000	P	13.6
2	☐	0.500					
3	☐	5.000	4.832	5473.47	0.0011	P	3.6
4	☐	250.000	257.215	285865.99	0.0577	P	0.7
5	☐	625.000	617.758	659413.53	0.1387	P	2.2
6	☐	1250.000	1299.001	1197405.01	0.2916	P	1.7
7	☐	2500.000	2485.246	2234105.22	0.5578	P	0.2
8	☐	5000.000	4995.671	4560066.81	1.1212	P	0.1
9	☐			2236.38	0.0005	P	2.4

$$y = 2.2444\text{E-}004 * x + 1.3525\text{E-}005$$

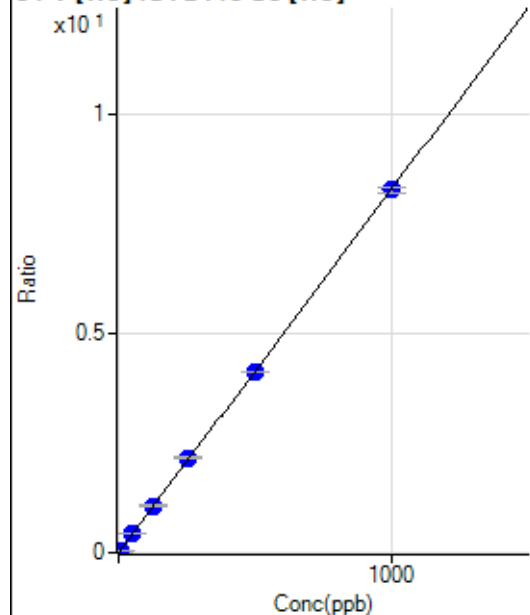
$$R = 0.9999$$

$$DL = 0.02463$$

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	4.45	0.0000	P	86.6
2	☐	0.500					
3	☐	5.000	4.986	9007.34	0.0413	P	1.0
4	☐	50.000	52.450	91006.34	0.4344	P	0.9
5	☐	125.000	129.273	203150.78	1.0707	P	1.7
6	☐	250.000	261.519	364037.19	2.1661	P	0.7
7	☐	500.000	496.630	709867.16	4.1134	P	0.8
8	☐	1000.000	998.149	1470632.23	8.2674	P	1.5
9	☐			355.57	0.0020	P	12.3

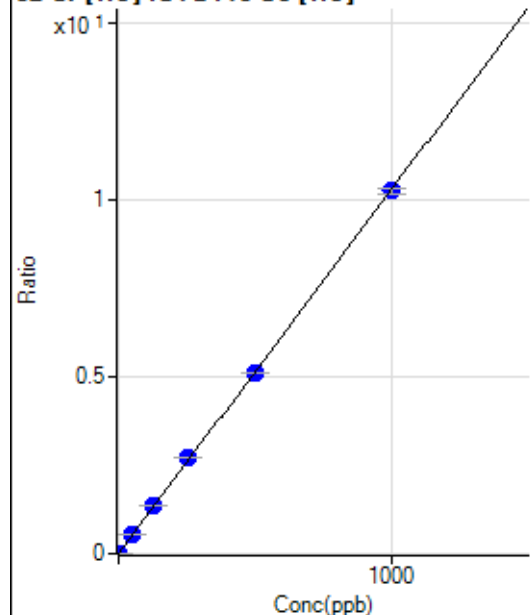
$$y = 0.0083 * x + 2.0074\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.006297$$

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	572.24	0.0026	P	9.0
2	☐	0.200					
3	☐	2.000	1.929	4894.22	0.0224	P	1.9
4	☐	50.000	53.484	115909.20	0.5533	P	0.6
5	☐	125.000	130.284	255026.23	1.3442	P	1.1
6	☐	250.000	265.375	459685.45	2.7352	P	0.5
7	☐	500.000	497.927	885305.06	5.1299	P	0.1
8	☐	1000.000	996.359	1825536.71	10.2623	P	1.4
9	☐			29570.97	0.1629	P	0.9

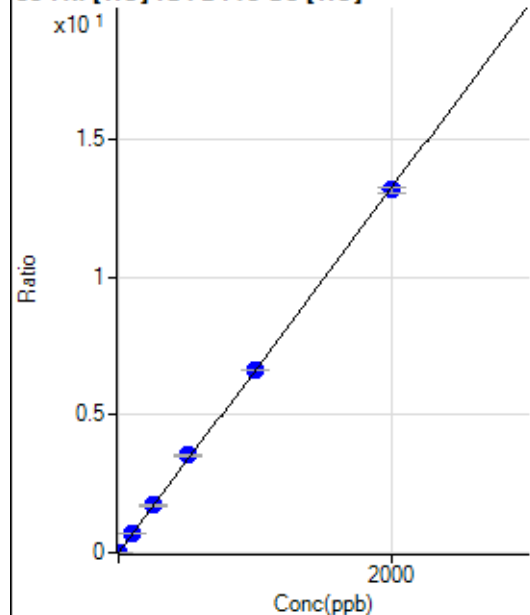
$$y = 0.0103 * x + 0.0026$$

$$R = 0.9999$$

$$DL = 0.06771$$

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	50.00	0.0002	P	6.1
2	☐	0.100					
3	☐	1.000	0.995	1485.65	0.0068	P	2.6
4	☐	100.000	105.157	145966.55	0.6968	P	0.1
5	☐	250.000	259.746	326485.64	1.7208	P	1.5
6	☐	500.000	533.033	593442.74	3.5311	P	0.5
7	☐	1000.000	1002.088	1145604.64	6.6382	P	0.2
8	☐	2000.000	1989.222	2344034.15	13.1770	P	1.3
9	☐			14059.08	0.0774	P	0.3

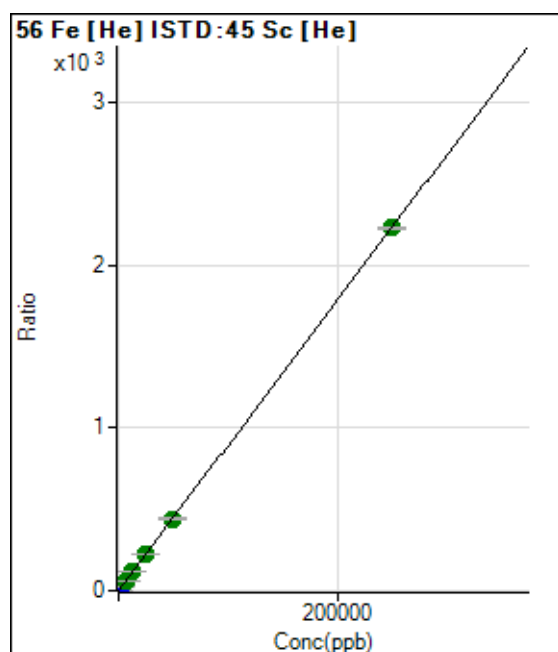
$$y = 0.0066 * x + 2.2596E-004$$

$$R = 0.9998$$

$$DL = 0.006244$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3357.89	0.0152	P	5.5
2	☐	5.000					
3	☐	50.000	50.901	102216.23	0.4688	P	0.5
4	☐	2500.000	2665.356	4979197.33	23.7698	P	0.9
5	☐	6250.000	6461.558	10929483.46	57.6030	A	0.7
6	☐	12500.000	13187.746	19755492.34	117.5493	A	0.5
7	☐	25000.000	24927.402	38341471.69	222.1774	A	1.0
8	☐	50000.000	49447.393	78392001.75	440.7087	A	1.9
9	☐	250000.00	250076.45	404595690.5	2,228.789	A	0.4

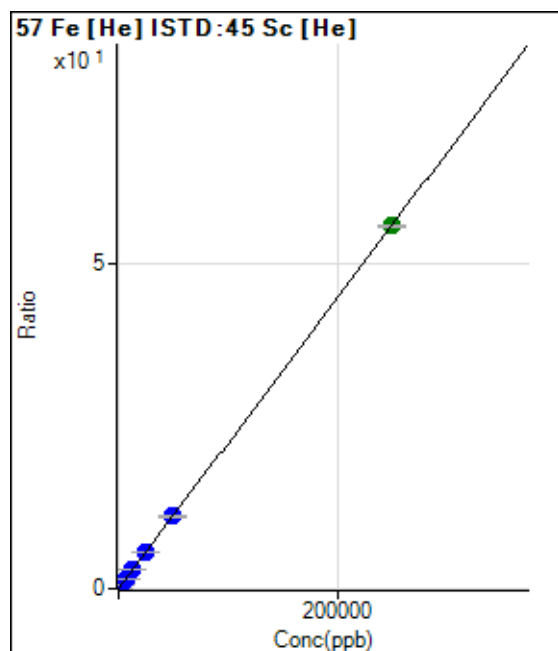
$$y = 0.0089 * x + 0.0152$$

$$R = 1.0000$$

$$DL = 0.2799$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	103.71	0.0005	P	8.0
2	☐	5.000					
3	☐	50.000	52.336	2655.87	0.0122	P	5.5
4	☐	2500.000	2674.506	125485.35	0.5990	P	1.1
5	☐	6250.000	6562.987	278774.96	1.4693	P	0.9
6	☐	12500.000	13368.647	502922.17	2.9925	P	0.1
7	☐	25000.000	25133.123	970813.01	5.6254	P	0.4
8	☐	50000.000	49803.162	1982915.70	11.1467	P	1.1
9	☐	250000.00	249973.05	10155758.21	55.9461	A	0.7

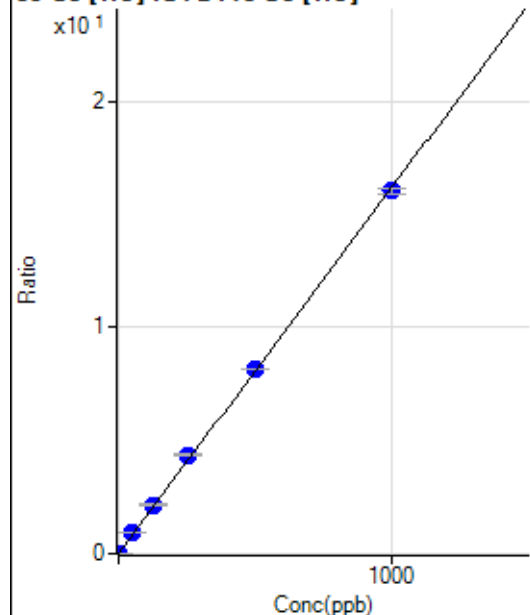
$$y = 2.2381E-004 * x + 4.6874E-004$$

$$R = 1.0000$$

$$DL = 0.5048$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	62.22	0.0003	P	38.1
2	☐	0.100					
3	☐	1.000	0.943	3381.56	0.0155	P	4.5
4	☐	50.000	55.656	188364.03	0.8992	P	0.8
5	☐	125.000	133.627	409552.38	2.1586	P	1.0
6	☐	250.000	270.458	734191.77	4.3686	P	0.9
7	☐	500.000	502.950	1401982.11	8.1238	P	0.3
8	☐	1000.000	992.049	2850378.33	16.0235	P	1.5
9	☐			36619.07	0.2017	P	1.7

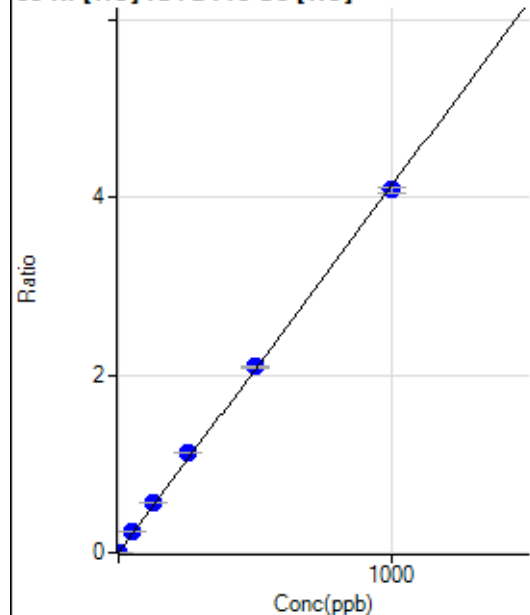
$$y = 0.0162 * x + 2.8084E-004$$

$$R = 0.9998$$

$$DL = 0.01987$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	38.89	0.0002	P	10.1
2	☐	0.100					
3	☐	1.000	1.107	1034.50	0.0047	P	6.3
4	☐	50.000	56.916	49249.20	0.2351	P	1.8
5	☐	125.000	136.704	107090.62	0.5645	P	1.7
6	☐	250.000	273.873	190022.50	1.1307	P	0.3
7	☐	500.000	506.342	360732.21	2.0903	P	0.2
8	☐	1000.000	989.052	726260.57	4.0828	P	1.6
9	☐			14084.71	0.0776	P	1.1

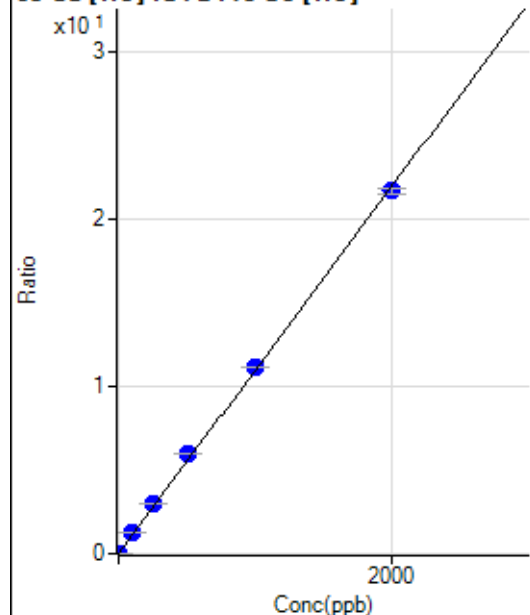
$$y = 0.0041 * x + 1.7582E-004$$

$$R = 0.9996$$

$$DL = 0.01295$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	170.00	0.0008	P	20.9
2	☐	0.200					
3	☐	2.000	1.977	4892.02	0.0224	P	0.5
4	☐	100.000	112.247	257897.71	1.2311	P	0.6
5	☐	250.000	271.986	565803.20	2.9821	P	0.8
6	☐	500.000	540.953	996659.39	5.9303	P	0.3
7	☐	1000.000	1017.298	1924482.82	11.1517	P	0.8
8	☐	2000.000	1977.752	3856492.44	21.6794	P	1.5
9	☐			5830.14	0.0321	P	2.0

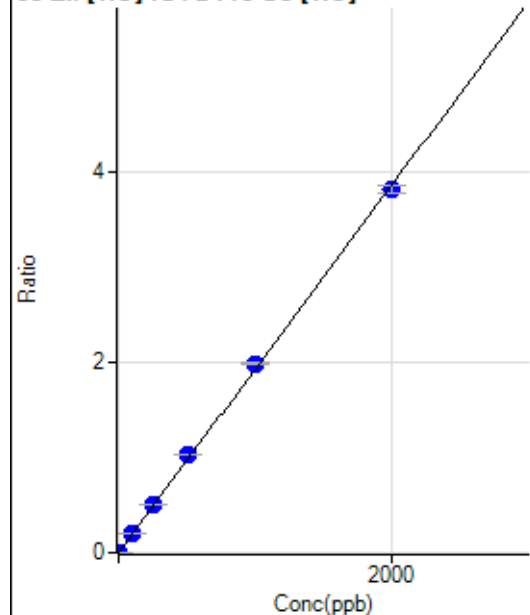
$$y = 0.0110 * x + 7.6857E-004$$

$$R = 0.9997$$

$$DL = 0.04399$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	321.12	0.0015	P	1.9
2	☐	0.200					
3	☐	2.000	1.790	1067.84	0.0049	P	2.1
4	☐	100.000	106.672	43318.65	0.2068	P	0.3
5	☐	250.000	263.185	96402.24	0.5081	P	0.8
6	☐	500.000	529.153	171431.65	1.0200	P	0.2
7	☐	1000.000	1028.804	342016.43	1.9819	P	0.8
8	☐	2000.000	1976.328	676955.01	3.8058	P	2.0
9	☐			5853.49	0.0322	P	1.5

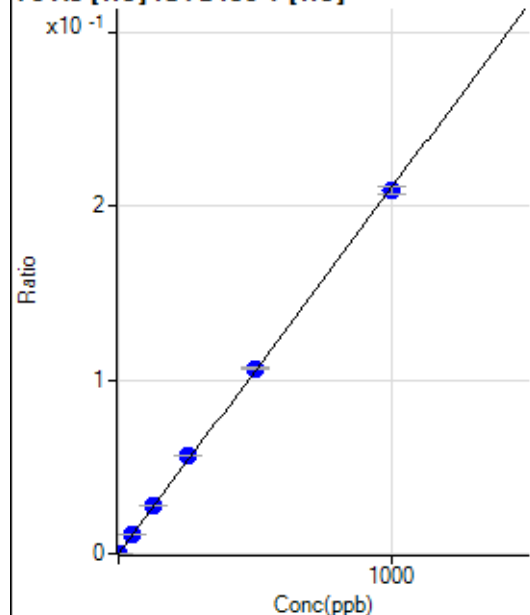
$$y = 0.0019 * x + 0.0015$$

$$R = 0.9997$$

$$DL = 0.04253$$

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	2.47	0.0000	P	42.7
2	☐	0.100					
3	☐	1.000	1.021	253.71	0.0002	P	6.1
4	☐	50.000	54.289	12884.18	0.0114	P	0.3
5	☐	125.000	132.401	28655.99	0.0279	P	1.3
6	☐	250.000	266.076	51270.79	0.0560	P	0.5
7	☐	500.000	506.672	99210.43	0.1066	P	0.5
8	☐	1000.000	991.505	200905.43	0.2086	P	2.0
9	☐			291.36	0.0003	P	4.0

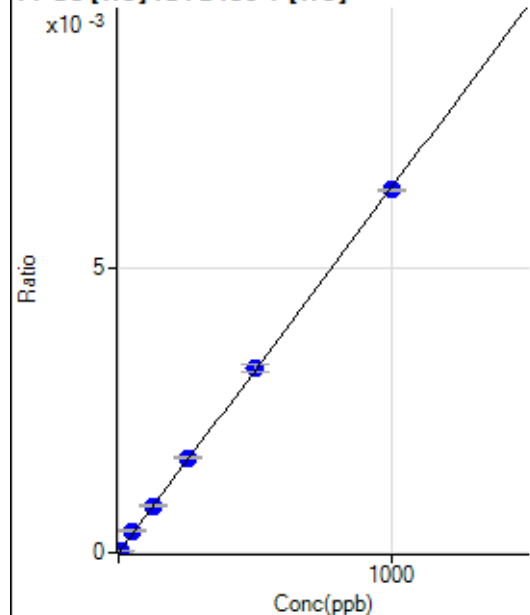
$$y = 2.1036\text{E-}004 * x + 2.0606\text{E-}006$$

$$R = 0.9998$$

$$DL = 0.01256$$

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	1.11	0.0000	P	173.
2	☐	0.500					
3	☐	5.000	4.884	37.78	0.0000	P	14.0
4	☐	50.000	59.508	432.24	0.0004	P	8.9
5	☐	125.000	127.630	844.49	0.0008	P	4.7
6	☐	250.000	259.660	1529.00	0.0017	P	3.1
7	☐	500.000	505.825	3025.92	0.0033	P	3.6
8	☐	1000.000	993.869	6153.63	0.0064	P	0.7
9	☐			2.22	0.0000	P	173.

$$y = 6.4246\text{E-}006 * x + 9.2317\text{E-}007$$

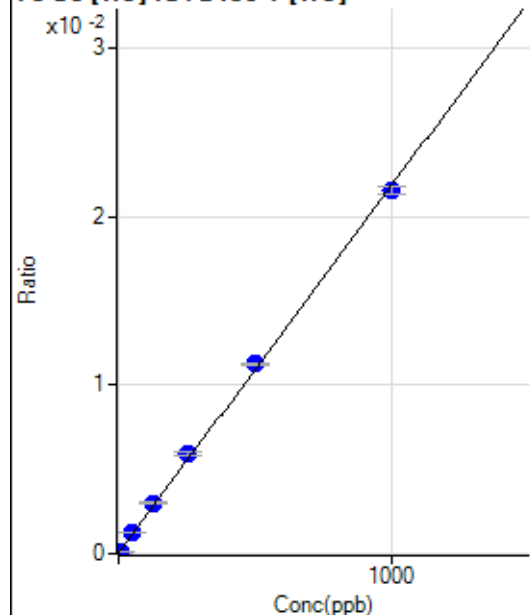
$$R = 0.9999$$

$$DL = 0.7466$$

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	48.77	0.0000	P	25.4
2	☐	0.500					
3	☐	5.000	5.288	182.72	0.0002	P	12.5
4	☐	50.000	55.031	1399.46	0.0012	P	1.0
5	☐	125.000	136.738	3109.62	0.0030	P	2.5
6	☐	250.000	271.435	5458.48	0.0060	P	3.1
7	☐	500.000	514.512	10480.40	0.0113	P	0.6
8	☐	1000.000	985.665	20739.56	0.0215	P	2.3
9	☐			39.51	0.0000	P	41.8

$$y = 2.1804\text{E-}005 * x + 4.0843\text{E-}005$$

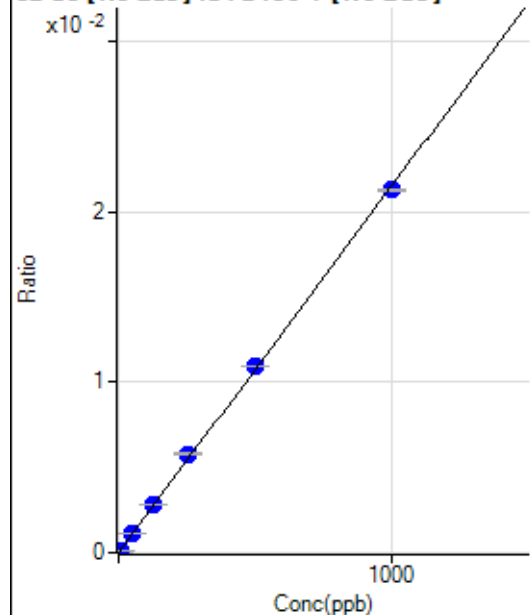
$$R = 0.9996$$

$$DL = 1.426$$

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	41.11	0.0000	P	82.7
2	☐	0.500					
3	☐	5.000	5.066	865.35	0.0001	P	2.6
4	☐	50.000	53.220	8660.74	0.0011	P	0.7
5	☐	125.000	130.474	20249.29	0.0028	P	2.3
6	☐	250.000	270.006	37012.22	0.0058	P	2.1
7	☐	500.000	508.195	68593.34	0.0109	P	0.4
8	☐	1000.000	990.055	136567.07	0.0213	P	0.4
9	☐			128.69	0.0000	P	26.4

$$y = 2.1488\text{E-}005 * x + 5.2144\text{E-}006$$

$$R = 0.9997$$

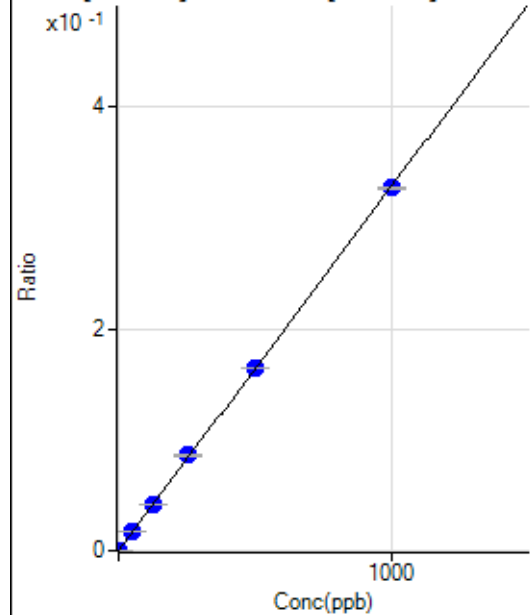
$$DL = 0.6018$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			292.23		P	7.3
2	☐						
3	☐			287.79		P	11.1
4	☐			295.57		P	9.6
5	☐			286.67		P	8.1
6	☐			280.01		P	7.1
7	☐			235.56		P	6.5
8	☐			281.12		P	8.4
9	☐			298.90		P	12.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	388.91	0.0000	P	11.3
2	☐	0.100					
3	☐	1.000	1.024	2928.20	0.0004	P	5.6
4	☐	50.000	52.065	129243.99	0.0171	P	1.0
5	☐	125.000	125.005	296250.10	0.0411	P	1.6
6	☐	250.000	262.292	549194.95	0.0862	P	1.5
7	☐	500.000	501.953	1034979.83	0.1649	P	0.7
8	☐	1000.000	995.846	2098597.16	0.3270	P	0.5
9	☐			9964.96	0.0016	P	1.9

$$y = 3.2832E-004 * x + 4.9695E-005$$

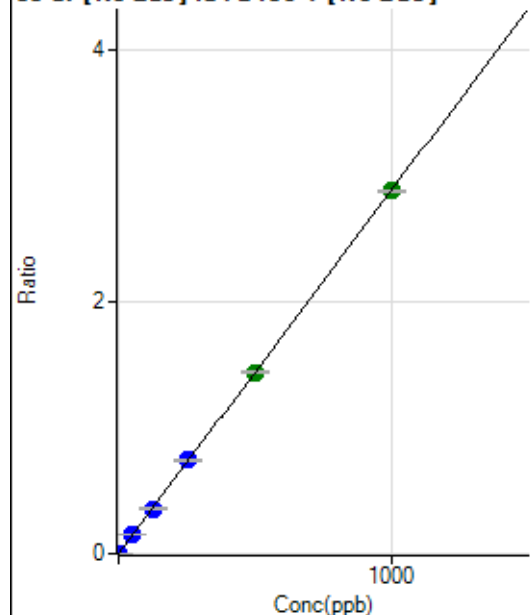
$$R = 0.9999$$

$$DL = 0.05143$$

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	91.67	0.0000	P	23.3
2	☐	0.100					
3	☐	1.000	0.923	20287.25	0.0027	P	2.5
4	☐	50.000	51.098	1110907.67	0.1474	P	0.3
5	☐	125.000	123.132	2559934.89	0.3551	P	2.0
6	☐	250.000	258.714	4755139.60	0.7461	P	1.7
7	☐	500.000	499.481	9043066.79	1.4404	A	0.4
8	☐	1000.000	998.260	18474412.91	2.8787	A	0.3
9	☐			85590.73	0.0133	P	1.5

$$y = 0.0029 * x + 1.1687E-005$$

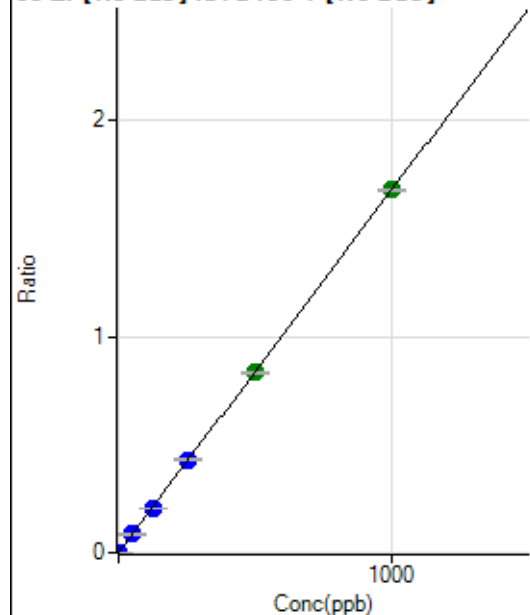
$$R = 1.0000$$

$$DL = 0.002834$$

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	458.36	0.0001	P	12.5
2	☐	0.100					
3	☐	1.000	0.912	12058.28	0.0016	P	1.9
4	☐	50.000	50.571	640380.51	0.0849	P	1.1
5	☐	125.000	122.361	1481068.19	0.2054	P	2.4
6	☐	250.000	256.685	2746559.30	0.4309	P	1.7
7	☐	500.000	495.930	5226758.62	0.8325	A	0.3
8	☐	1000.000	1000.665	10779980.88	1.6797	A	0.6
9	☐			4903.83	0.0008	P	5.0

$$y = 0.0017 * x + 5.8518E-005$$

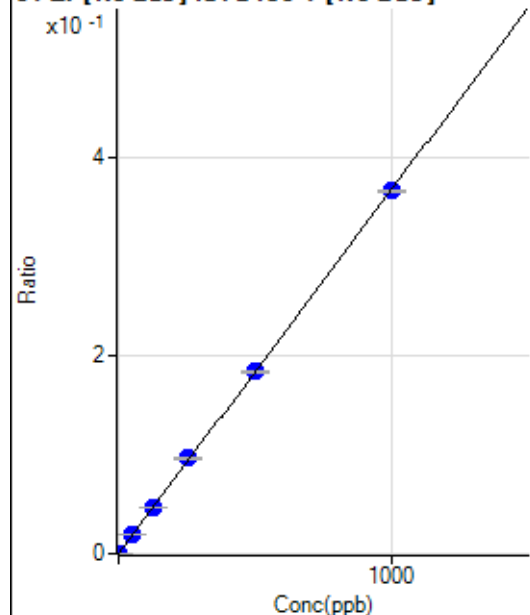
$$R = 1.0000$$

$$DL = 0.01313$$

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	94.45	0.0000	P	21.5
2	☐	0.100					
3	☐	1.000	0.903	2614.24	0.0003	P	4.4
4	☐	50.000	52.123	144820.22	0.0192	P	0.6
5	☐	125.000	125.810	334135.00	0.0464	P	2.6
6	☐	250.000	263.300	618119.94	0.0970	P	2.5
7	☐	500.000	499.681	1155573.11	0.1841	P	0.3
8	☐	1000.000	996.627	2355856.35	0.3671	P	0.5
9	☐			1158.43	0.0002	P	10.6

$$y = 3.6832\text{E-}004 * x + 1.2047\text{E-}005$$

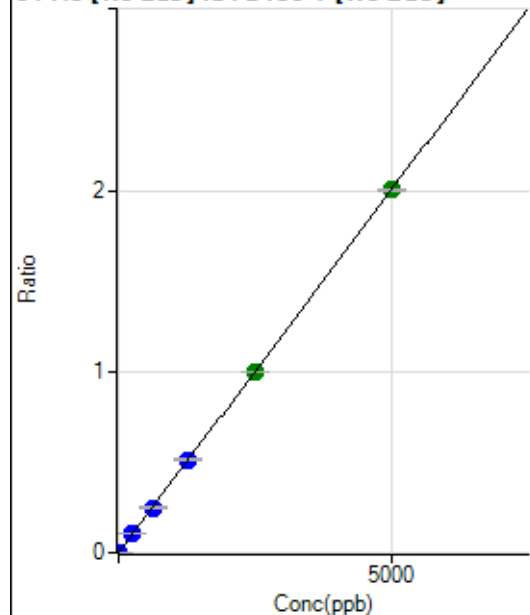
$$R = 0.9999$$

$$DL = 0.02106$$

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	172.23	0.0000	P	16.3
2	☐	0.500					
3	☐	5.000	4.630	14238.15	0.0019	P	1.6
4	☐	250.000	254.608	769079.73	0.1020	P	0.8
5	☐	625.000	616.487	1780546.52	0.2470	P	2.1
6	☐	1250.000	1281.600	3272358.99	0.5134	P	1.6
7	☐	2500.000	2490.176	6263156.82	0.9976	A	0.3
8	☐	5000.000	4997.846	12849036.74	2.0022	A	0.5
9	☐			9681.44	0.0015	P	6.3

$$y = 4.0060\text{E-}004 * x + 2.2009\text{E-}005$$

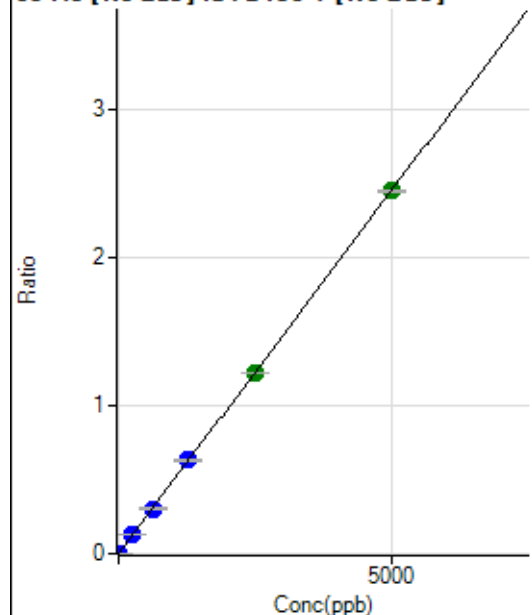
$$R = 1.0000$$

$$DL = 0.02691$$

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	55.56	0.0000	P	45.9
2	☐	0.500					
3	☐	5.000	4.786	17842.41	0.0024	P	3.1
4	☐	250.000	255.809	944933.75	0.1253	P	0.5
5	☐	625.000	619.625	2188730.24	0.3036	P	2.1
6	☐	1250.000	1284.574	4011288.37	0.6294	P	2.2
7	☐	2500.000	2490.491	7661291.49	1.2203	A	0.5
8	☐	5000.000	4996.492	15711195.32	2.4482	A	0.6
9	☐			13684.83	0.0021	P	0.8

$$y = 4.8997\text{E-}004 * x + 7.1000\text{E-}006$$

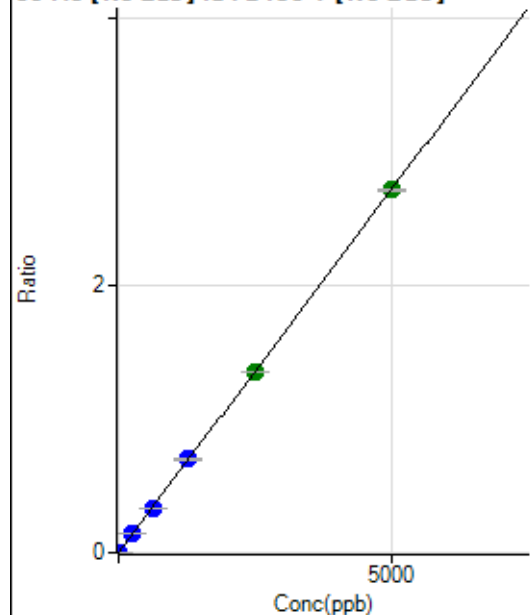
$$R = 1.0000$$

$$DL = 0.01995$$

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	113.89	0.0000	P	49.4
2	☐	0.500					
3	☐	5.000	4.809	19942.48	0.0026	P	2.2
4	☐	250.000	255.217	1045975.61	0.1387	P	0.5
5	☐	625.000	612.681	2401078.72	0.3331	P	2.5
6	☐	1250.000	1288.297	4463232.22	0.7003	P	2.1
7	☐	2500.000	2492.161	8505602.53	1.3547	A	0.2
8	☐	5000.000	4995.624	17427659.25	2.7156	A	0.6
9	☐			21611.50	0.0034	P	2.3

$$y = 5.4360\text{E-}004 * x + 1.4497\text{E-}005$$

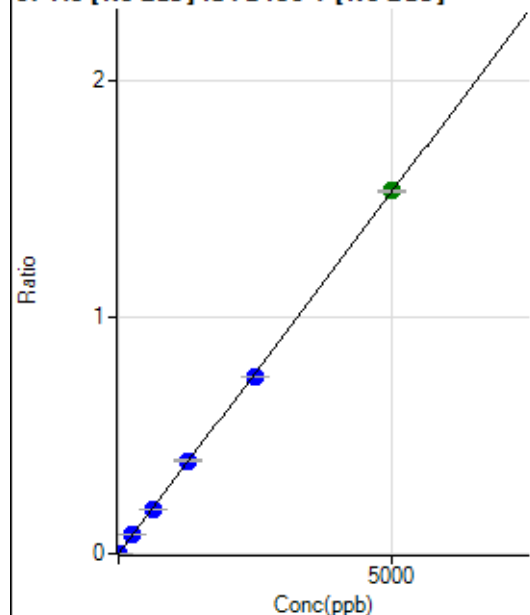
$$R = 1.0000$$

$$DL = 0.0395$$

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	33.34	0.0000	P	85.6
2	☐	0.500					
3	☐	5.000	4.715	10951.86	0.0014	P	4.1
4	☐	250.000	256.337	590043.81	0.0783	P	1.0
5	☐	625.000	614.159	1351851.88	0.1875	P	2.1
6	☐	1250.000	1287.526	2505474.53	0.3931	P	1.8
7	☐	2500.000	2447.570	4691844.98	0.7473	P	0.1
8	☐	5000.000	5017.872	9832216.80	1.5321	A	0.6
9	☐			8247.15	0.0013	P	0.6

$$y = 3.0532E-004 * x + 4.2322E-006$$

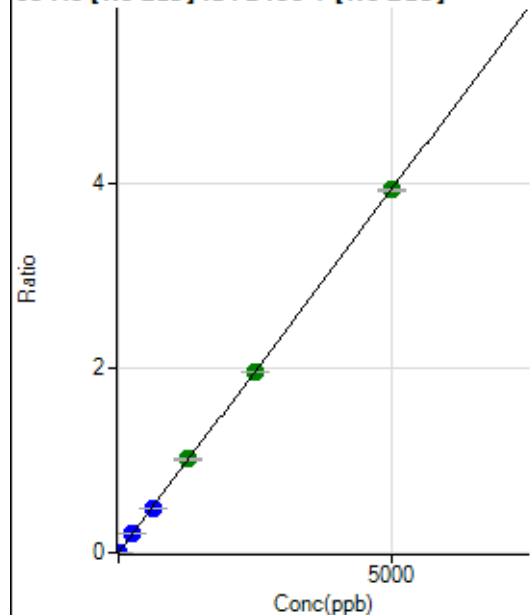
$$R = 0.9999$$

$$DL = 0.0356$$

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	69.45	0.0000	P	8.1
2	☐	0.500					
3	☐	5.000	4.792	28693.60	0.0038	P	1.0
4	☐	250.000	254.008	1507858.85	0.2000	P	0.3
5	☐	625.000	615.574	3494478.07	0.4847	P	2.0
6	☐	1250.000	1290.962	6478554.22	1.0165	A	2.1
7	☐	2500.000	2491.426	12316945.41	1.9618	A	0.4
8	☐	5000.000	4995.024	25242635.29	3.9332	A	0.5
9	☐			20406.91	0.0032	P	2.2

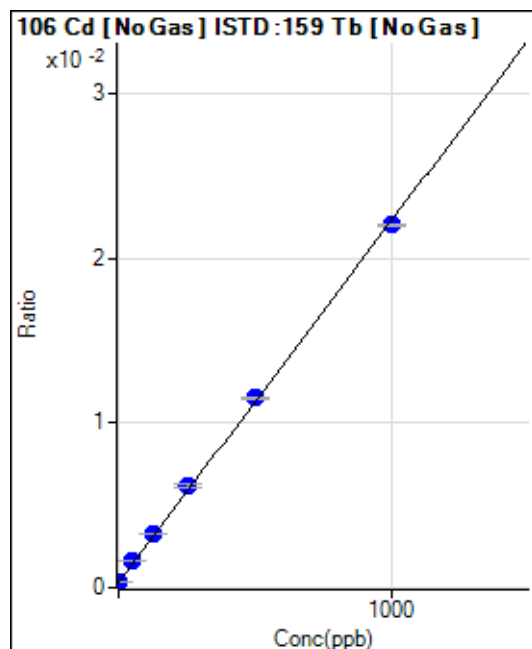
$$y = 7.8742E-004 * x + 8.8713E-006$$

$$R = 1.0000$$

$$DL = 0.002722$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3164.37	0.0003	P	3.0
2	☐	0.100					
3	☐	1.000	2.334	3508.93	0.0004	P	4.5
4	☐	50.000	58.737	15700.99	0.0016	P	1.9
5	☐	125.000	135.812	31975.91	0.0033	P	2.1
6	☐	250.000	268.555	55822.18	0.0062	P	3.7
7	☐	500.000	509.809	104200.65	0.0115	P	0.3
8	☐	1000.000	988.667	203765.76	0.0221	P	0.5
9	☐			2858.75	0.0003	P	5.3

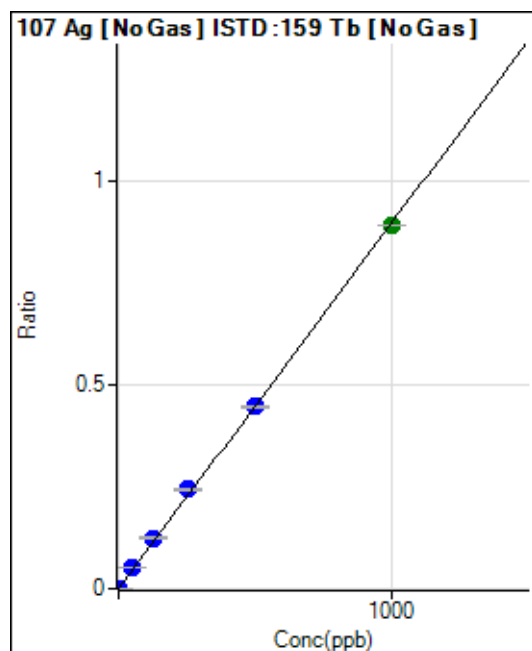
$$y = 2.1998\text{E-}005 * x + 3.1031\text{E-}004$$

$$R = 0.9997$$

$$DL = 1.289$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	77.78	0.0000	P	16.9
2	☐	0.100					
3	☐	1.000	1.148	10034.52	0.0010	P	4.1
4	☐	50.000	60.142	527135.53	0.0538	P	0.5
5	☐	125.000	138.418	1200343.17	0.1238	P	2.6
6	☐	250.000	272.561	2188875.31	0.2438	P	1.6
7	☐	500.000	498.740	4032936.59	0.4461	P	0.7
8	☐	1000.000	992.805	8202642.80	0.8880	A	0.1
9	☐			694.49	0.0001	P	10.0

$$y = 8.9441\text{E-}004 * x + 7.6347\text{E-}006$$

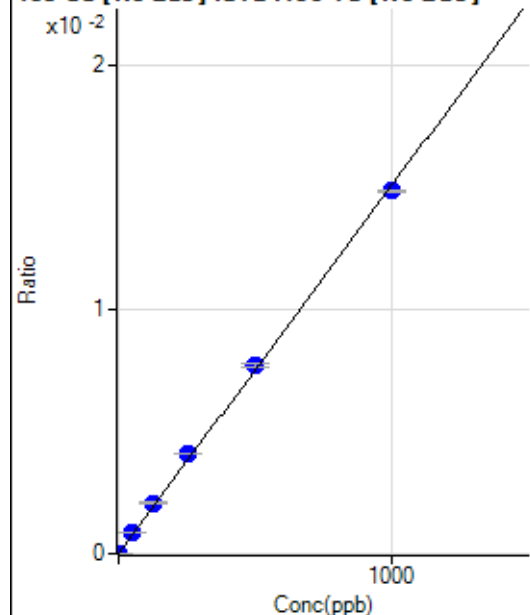
$$R = 0.9997$$

$$DL = 0.00433$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	8.33	0.0000	P	99.2
2	☐	0.100					
3	☐	1.000	0.933	144.45	0.0000	P	11.0
4	☐	50.000	56.234	8322.04	0.0008	P	0.7
5	☐	125.000	138.038	20203.57	0.0021	P	2.3
6	☐	250.000	271.396	36774.26	0.0041	P	1.2
7	☐	500.000	513.077	69998.44	0.0077	P	1.4
8	☐	1000.000	986.171	137465.13	0.0149	P	0.3
9	☐			33.33	0.0000	P	31.7

$$y = 1.5089\text{E-}005 * x + 8.1320\text{E-}007$$

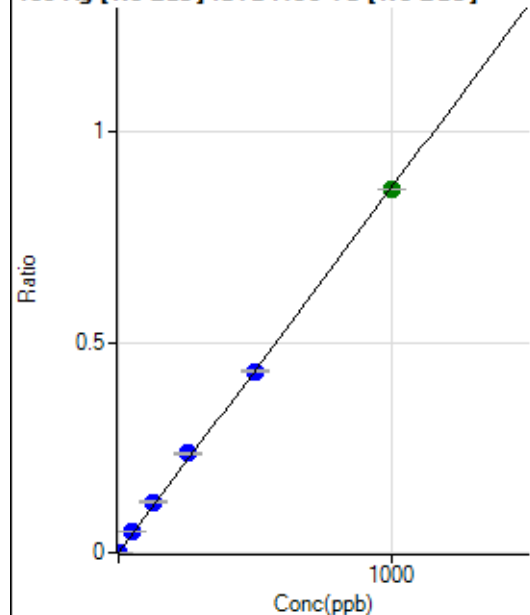
$$R = 0.9996$$

$$DL = 0.1604$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50.00	0.0000	P	45.2
2	☐	0.100					
3	☐	1.000	1.147	9700.95	0.0010	P	2.0
4	☐	50.000	59.320	504088.03	0.0514	P	0.6
5	☐	125.000	138.084	1160991.80	0.1198	P	2.9
6	☐	250.000	272.181	2119338.70	0.2360	P	1.2
7	☐	500.000	496.823	3895251.61	0.4309	P	1.1
8	☐	1000.000	993.942	7962395.41	0.8620	A	0.2
9	☐			625.04	0.0001	P	6.4

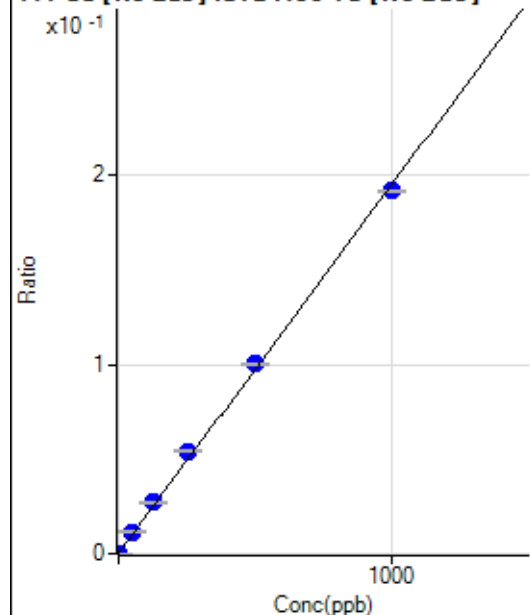
$$y = 8.6723\text{E-}004 * x + 4.9207\text{E-}006$$

$$R = 0.9997$$

$$DL = 0.007696$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2225.90	0.0002	P	3.2
2	☐	0.100					
3	☐	1.000	1.165	4320.59	0.0004	P	0.6
4	☐	50.000	58.790	114430.23	0.0117	P	1.0
5	☐	125.000	137.911	262751.97	0.0271	P	2.7
6	☐	250.000	276.650	486118.58	0.0541	P	1.9
7	☐	500.000	514.904	909425.11	0.1006	P	0.9
8	☐	1000.000	983.832	1773562.00	0.1920	P	0.5
9	☐			2234.74	0.0002	P	5.9

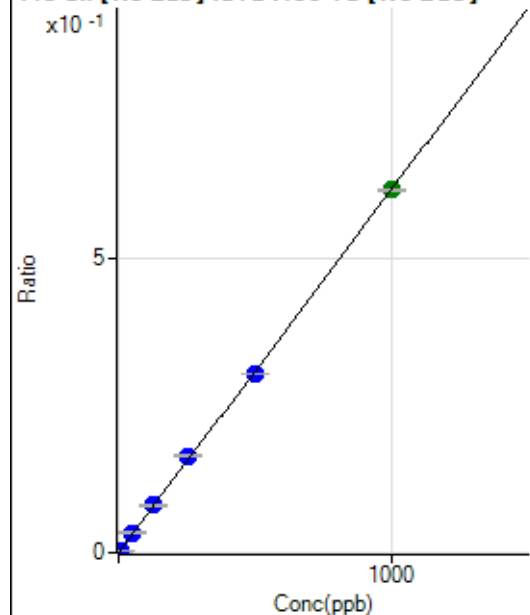
$$y = 1.9494\text{E-}004 * x + 2.1827\text{E-}004$$

$$R = 0.9994$$

$$DL = 0.1085$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	477.81	0.0000	P	10.6
2	☐	0.500					
3	☐	5.000	5.187	31463.93	0.0032	P	1.0
4	☐	50.000	55.263	334091.17	0.0341	P	1.7
5	☐	125.000	130.570	780418.14	0.0805	P	2.7
6	☐	250.000	265.142	1467137.87	0.1634	P	1.8
7	☐	500.000	492.621	2744533.18	0.3036	P	0.6
8	☐	1000.000	998.944	5686008.24	0.6155	A	0.2
9	☐			5479.05	0.0006	P	5.1

$$y = 6.1615\text{E-}004 * x + 4.6825\text{E-}005$$

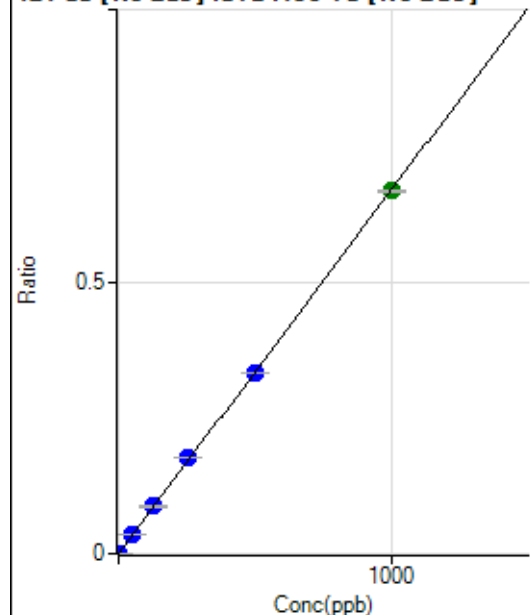
$$R = 0.9998$$

$$DL = 0.02415$$

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	36.11	0.0000	P	54.4
2	☐	0.200					
3	☐	2.000	1.997	12998.23	0.0013	P	0.8
4	☐	50.000	55.230	362011.50	0.0369	P	0.4
5	☐	125.000	130.539	846627.54	0.0873	P	2.2
6	☐	250.000	264.672	1589571.12	0.1770	P	1.4
7	☐	500.000	496.866	3004770.16	0.3324	P	0.7
8	☐	1000.000	996.945	6160159.12	0.6669	A	0.3
9	☐			7307.75	0.0008	P	3.5

$$y = 6.6891\text{E-}004 * x + 3.5548\text{E-}006$$

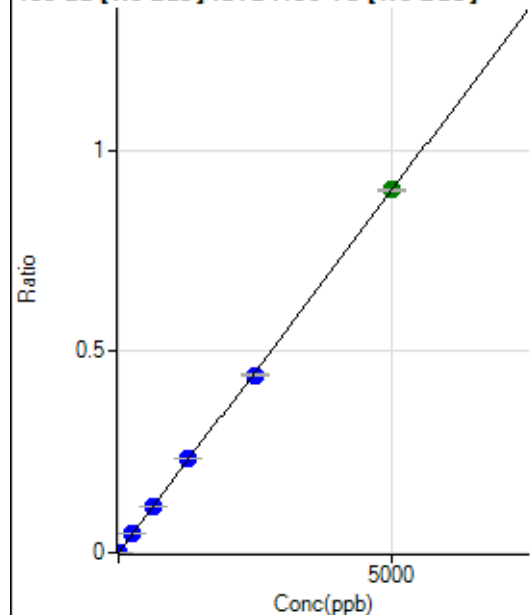
$$R = 0.9999$$

$$DL = 0.008671$$

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	41.67	0.0000	P	19.2
2	☐	1.000					
3	☐	10.000	10.072	17611.70	0.0018	P	1.2
4	☐	250.000	267.495	471318.17	0.0481	P	1.0
5	☐	625.000	637.542	1111464.36	0.1146	P	2.4
6	☐	1250.000	1302.834	2103271.79	0.2343	P	1.4
7	☐	2500.000	2451.238	3984763.80	0.4408	P	0.9
8	☐	5000.000	5008.730	8319493.50	0.9006	A	0.2
9	☐			1544.61	0.0002	P	5.8

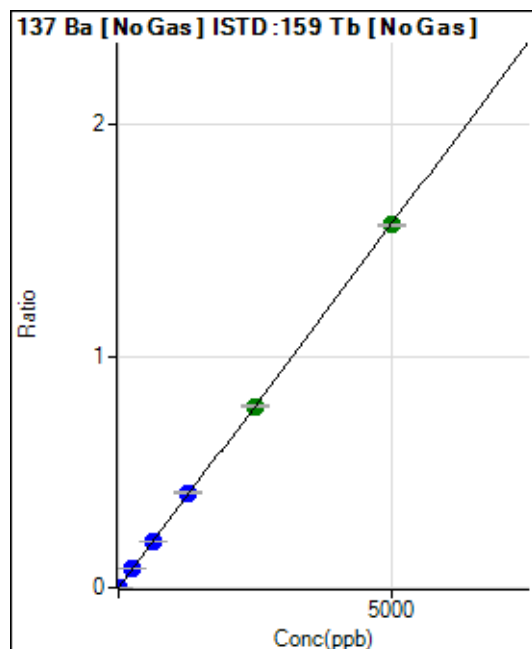
$$y = 1.7981\text{E-}004 * x + 4.0831\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.01305$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	33.34	0.0000	P	67.2
2	☐	1.000					
3	☐	10.000	9.898	30228.15	0.0031	P	1.1
4	☐	250.000	268.472	827170.04	0.0844	P	1.1
5	☐	625.000	636.442	1940270.20	0.2001	P	2.2
6	☐	1250.000	1304.800	3683559.80	0.4103	P	1.1
7	☐	2500.000	2492.902	7086612.40	0.7838	A	0.5
8	☐	5000.000	4987.495	14486593.03	1.5682	A	0.3
9	☐			2341.97	0.0003	P	3.1

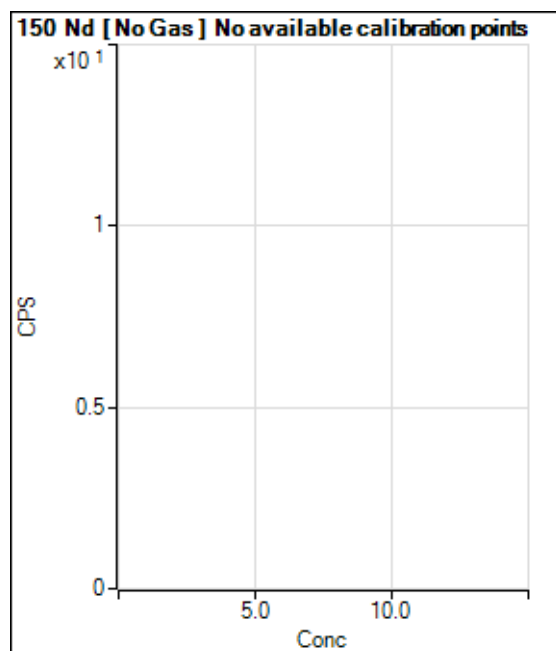
$$y = 3.1443\text{E-}004 * x + 3.2861\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.02106$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐						
3	☐			0.00		P	
4	☐			40.00		P	44.1
5	☐			166.68		P	18.3
6	☐			240.01		P	10.0
7	☐			431.14		P	12.4
8	☐			811.17		P	3.1
9	☐			151.12		P	9.2

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			1.11		P	173.
4	☐			2.22		P	173.
5	☐			17.78		P	43.3
6	☐			24.44		P	39.4
7	☐			45.56		P	18.4
8	☐			78.89		P	24.0
9	☐			66.67		P	15.0

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.78		P	173.
2	☐						
3	☐			13.89		P	91.6
4	☐			25.00		P	88.2
5	☐			30.56		P	31.5
6	☐			61.11		P	31.5
7	☐			111.12		P	24.1
8	☐			169.46		P	32.7
9	☐			61.11		P	20.8

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			4.44		P	114.
4	☐			12.22		P	31.5
5	☐			21.11		P	18.2
6	☐			40.00		P	22.0
7	☐			70.00		P	4.8
8	☐			158.89		P	7.4
9	☐			47.78		P	24.5

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50.00		P	57.7
2	☐						
3	☐			33.33		P	43.3
4	☐			50.00		P	16.7
5	☐			33.33		P	66.2
6	☐			52.78		P	39.7
7	☐			66.67		P	33.1
8	☐			61.11		P	28.4
9	☐			58.33		P	37.8

160 Gd [He] No available calibration points

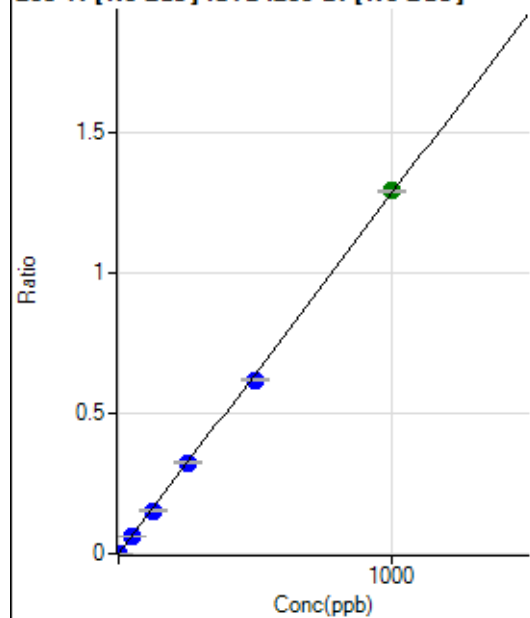
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			145.56		P	5.8
2	☐						
3	☐			153.34		P	17.3
4	☐			141.12		P	2.7
5	☐			104.45		P	12.9
6	☐			130.00		P	12.8
7	☐			143.34		P	11.6
8	☐			143.34		P	2.3
9	☐			161.11		P	13.8

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			38.89		P	61.9
2	☐						
3	☐			30.55		P	68.6
4	☐			25.00		P	33.3
5	☐			33.33		P	25.0
6	☐			30.56		P	31.5
7	☐			27.78		P	34.6
8	☐			55.56		P	43.3
9	☐			61.11		P	39.4

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			14.45		P	26.7
2	☐						
3	☐			14.45		P	26.7
4	☐			14.45		P	48.0
5	☐			14.44		P	13.4
6	☐			22.22		P	31.2
7	☐			18.89		P	44.4
8	☐			28.89		P	13.3
9	☐			24.44		P	51.6

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	147.23	0.0000	P	36.3
2	☐	0.100					
3	☐	1.000	0.870	7296.77	0.0011	P	5.0
4	☐	50.000	49.565	411176.68	0.0636	P	0.8
5	☐	125.000	120.062	993688.04	0.1541	P	2.5
6	☐	250.000	252.707	1974765.28	0.3243	P	1.7
7	☐	500.000	483.499	3766127.21	0.6205	P	0.6
8	☐	1000.000	1008.213	7790785.76	1.2938	A	0.2
9	☐			1630.73	0.0003	P	6.1

$$y = 0.0013 * x + 2.1701E-005$$

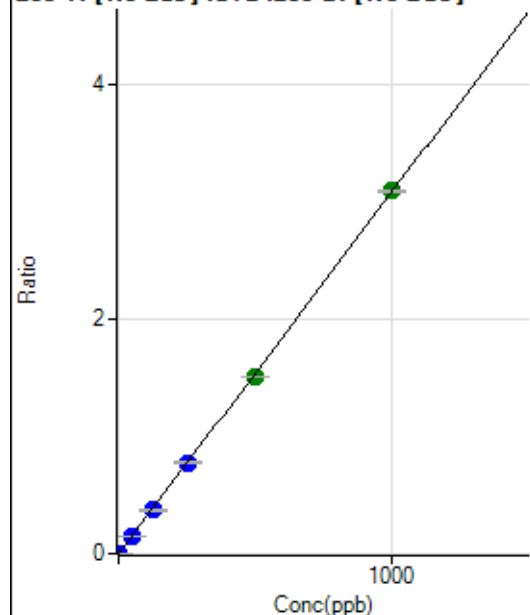
$$R = 0.9998$$

$$DL = 0.01842$$

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	363.91	0.0001	P	15.9
2	☐	0.100					
3	☐	1.000	0.891	17904.46	0.0028	P	0.8
4	☐	50.000	49.889	991396.34	0.1534	P	0.6
5	☐	125.000	119.861	2376324.05	0.3685	P	2.4
6	☐	250.000	251.210	4702508.74	0.7722	P	1.4
7	☐	500.000	491.514	9171084.84	1.5109	A	0.1
8	☐	1000.000	1004.588	18595157.19	3.0880	A	0.5
9	☐			3986.90	0.0008	P	5.8

$$y = 0.0031 * x + 5.3691E-005$$

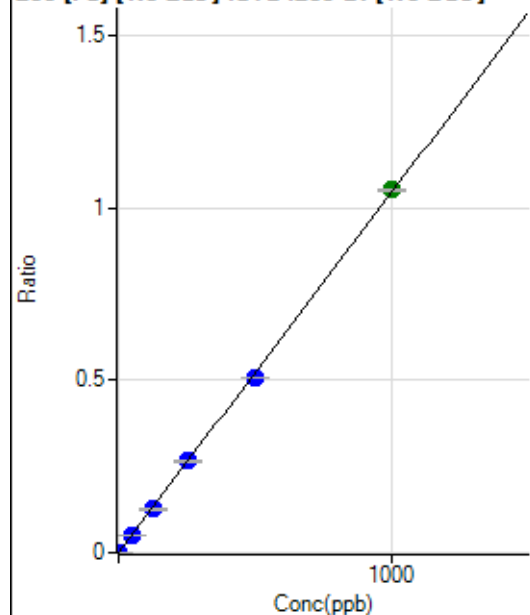
$$R = 0.9999$$

$$DL = 0.00834$$

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	505.58	0.0001	P	12.8
2	☐	0.100					
3	☐	1.000	0.872	6322.04	0.0010	P	4.4
4	☐	50.000	50.064	338847.07	0.0524	P	0.8
5	☐	125.000	120.856	815507.80	0.1265	P	2.8
6	☐	250.000	254.023	1618182.33	0.2657	P	1.4
7	☐	500.000	485.078	3079768.01	0.5074	P	0.6
8	☐	1000.000	1006.970	6342036.25	1.0532	A	0.5
9	☐			7756.21	0.0015	P	2.0

$$y = 0.0010 * x + 7.4471E-005$$

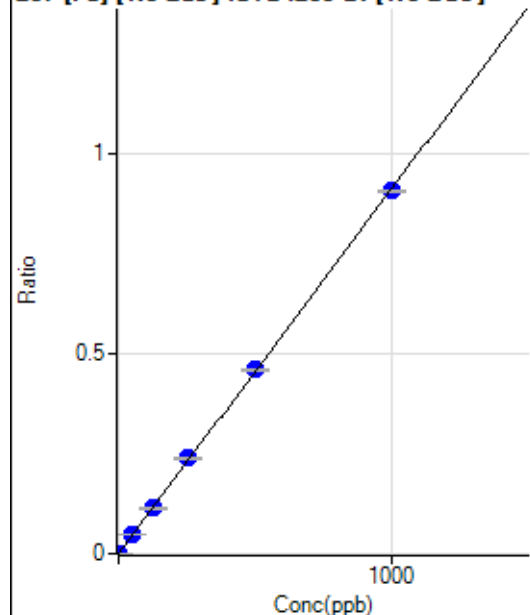
$$R = 0.9998$$

$$DL = 0.02726$$

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	446.32	0.0001	P	12.6
2	☐	0.100					
3	☐	1.000	0.903	5697.67	0.0009	P	2.2
4	☐	50.000	51.266	302404.54	0.0468	P	0.7
5	☐	125.000	124.698	733383.41	0.1137	P	2.4
6	☐	250.000	262.007	1454632.30	0.2389	P	1.4
7	☐	500.000	503.917	2788327.87	0.4594	P	0.9
8	☐	1000.000	995.014	5461603.36	0.9070	P	0.4
9	☐			6338.75	0.0012	P	0.4

$$y = 9.1148\text{E-}004 * x + 6.5729\text{E-}005$$

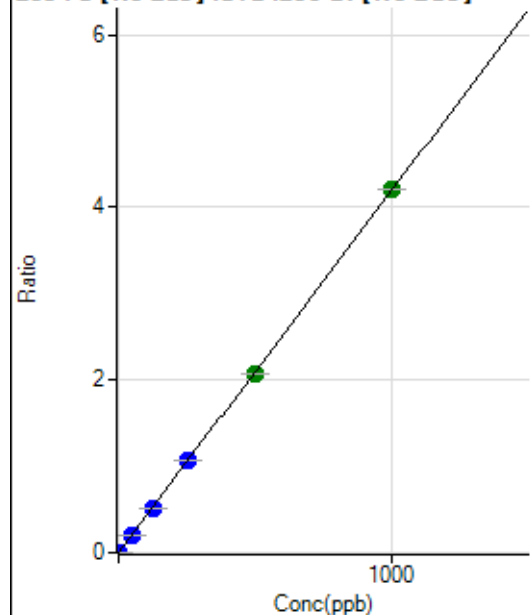
$$R = 0.9999$$

$$DL = 0.0273$$

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	1937.15	0.0003	P	3.9
2	☐	0.100					
3	☐	1.000	0.874	25310.01	0.0039	P	0.9
4	☐	50.000	50.004	1357117.13	0.2100	P	0.3
5	☐	125.000	121.454	3286678.75	0.5097	P	2.3
6	☐	250.000	255.262	6520650.87	1.0708	P	1.5
7	☐	500.000	494.045	12578402.22	2.0723	A	0.5
8	☐	1000.000	1002.105	25309143.62	4.2030	A	0.1
9	☐			29993.77	0.0059	P	0.3

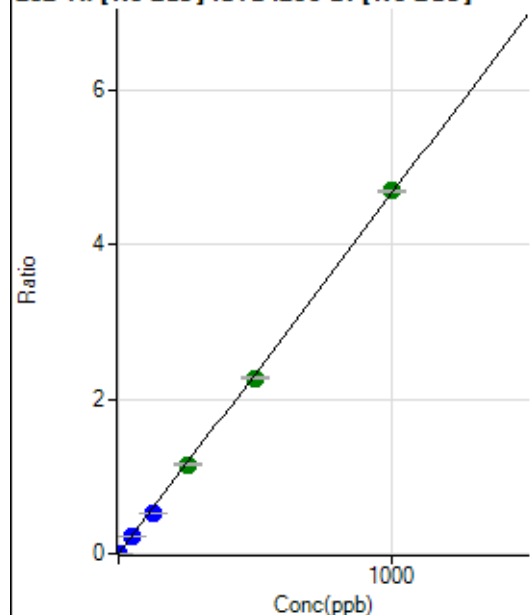
$$y = 0.0042 * x + 2.8542\text{E-}004$$

$$R = 1.0000$$

$$DL = 0.008045$$

Weight: <None>

Min Conc: 0

232 Th [No Gas] ISTD :209 Bi [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	46.30	0.0000	P	13.0
2	☐	0.100					
3	☐	1.000	0.802	23978.06	0.0037	P	1.9
4	☐	50.000	45.980	1384446.30	0.2142	P	0.2
5	☐	125.000	112.933	3392925.80	0.5261	P	2.5
6	☐	250.000	247.623	7025046.17	1.1537	A	1.3
7	☐	500.000	488.471	13813358.87	2.2757	A	0.6
8	☐	1000.000	1008.068	28280119.15	4.6965	A	0.6
9	☐			4610.21	0.0009	P	5.2

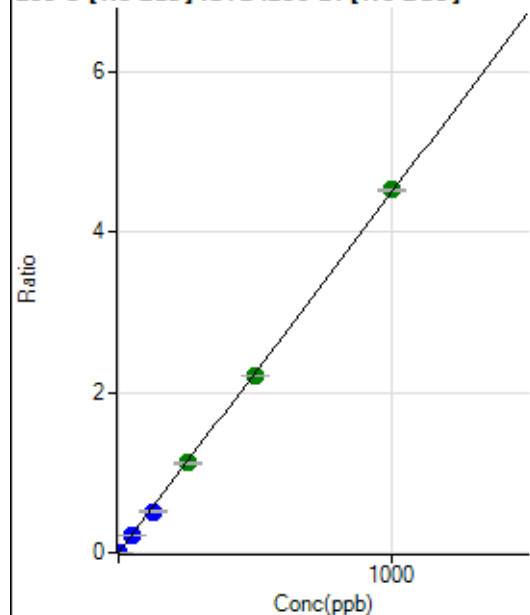
$$y = 0.0047 * x + 6.8175E-006$$

$$R = 0.9998$$

$$DL = 0.0005697$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	233.35	0.0000	P	27.7
2	☐	0.100					
3	☐	1.000	0.813	23614.09	0.0037	P	0.2
4	☐	50.000	45.955	1333834.70	0.2064	P	0.7
5	☐	125.000	113.546	3288140.85	0.5099	P	2.7
6	☐	250.000	248.715	6801288.39	1.1169	A	1.2
7	☐	500.000	488.935	13327098.04	2.1956	A	0.1
8	☐	1000.000	1007.488	27242996.27	4.5242	A	0.4
9	☐			2214.19	0.0004	P	5.0

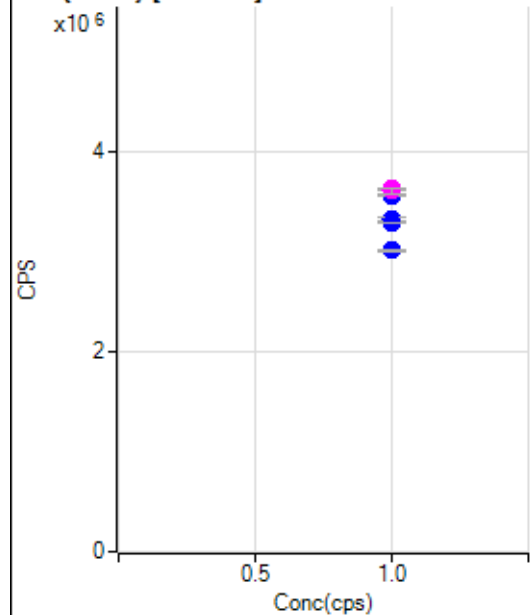
$$y = 0.0045 * x + 3.4379E-005$$

$$R = 0.9999$$

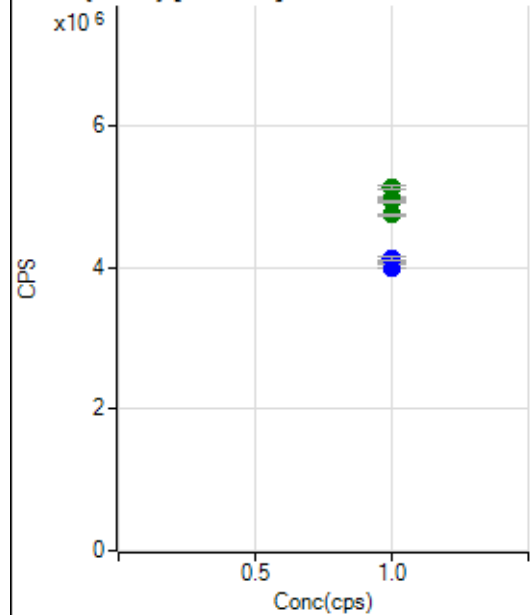
$$DL = 0.006359$$

Weight: <None>

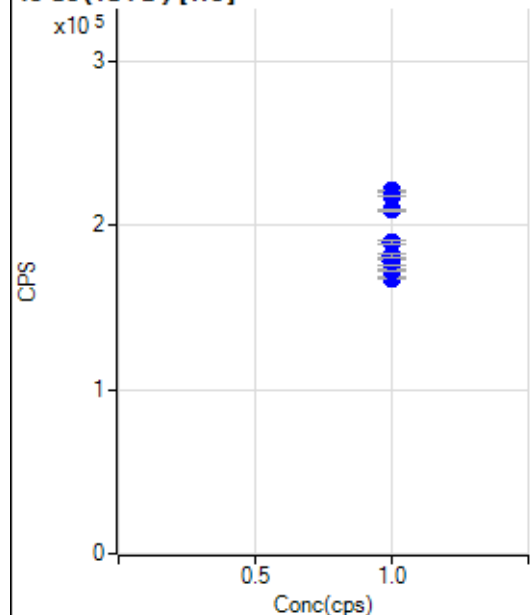
Min Conc: 0

6 Li (ISTD) [No Gas]

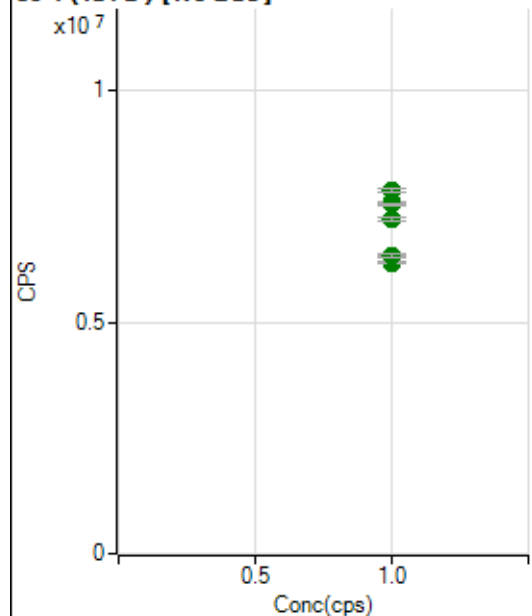
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3577287.31		P	1.2
2	☐	1.000					
3	☐	1.000		3547470.08		P	0.3
4	☐	1.000		3619768.73		M	0.6
5	☐	1.000		3600134.91		M	1.4
6	☐	1.000		3328155.58		P	1.2
7	☐	1.000		3282863.04		P	0.4
8	☐	1.000		3279939.12		P	0.1
9	☐	1.000		3002828.01		P	0.5

45 Sc (ISTD) [No Gas]

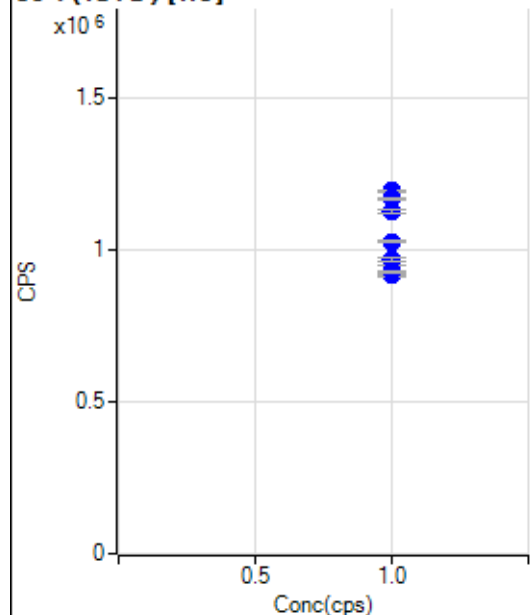
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5133757.75		A	1.1
2	☐	1.000					
3	☐	1.000		4985646.16		A	0.6
4	☐	1.000		4950716.34		A	0.6
5	☐	1.000		4756035.78		A	0.7
6	☐	1.000		4108007.47		P	2.5
7	☐	1.000		4005295.84		P	0.4
8	☐	1.000		4067061.33		P	0.3
9	☐	1.000		4134663.94		P	1.3

45 Sc (ISTD) [He]

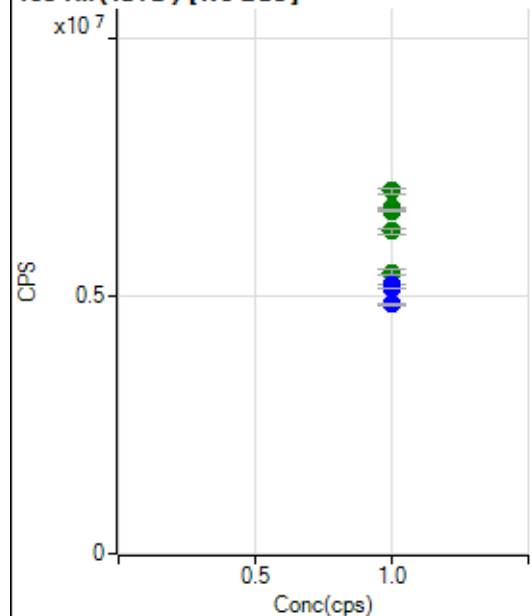
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		221232.82		P	0.6
2	☐	1.000					
3	☐	1.000		218026.21		P	0.4
4	☐	1.000		209481.72		P	0.5
5	☐	1.000		189743.38		P	1.0
6	☐	1.000		168063.05		P	0.4
7	☐	1.000		172579.52		P	0.8
8	☐	1.000		177914.52		P	1.7
9	☐	1.000		181535.85		P	1.0

89 Y (ISTD) [No Gas]

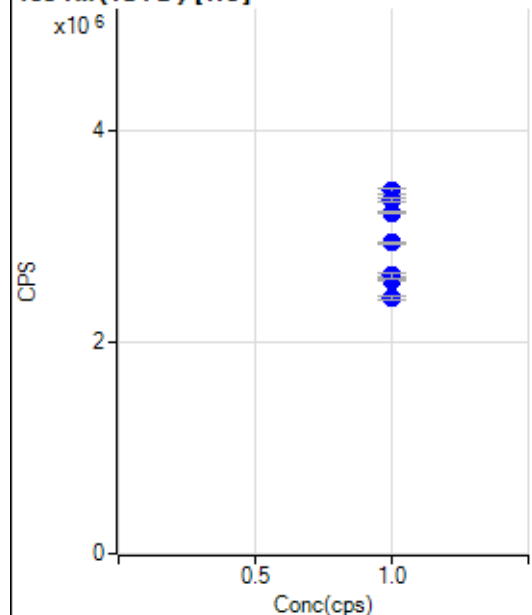
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7832910.37		A	1.2
2	☐	1.000					
3	☐	1.000		7585922.18		A	0.3
4	☐	1.000		7538590.93		A	0.6
5	☐	1.000		7210442.39		A	1.3
6	☐	1.000		6375139.00		A	2.4
7	☐	1.000		6278378.66		A	0.4
8	☐	1.000		6417731.02		A	0.9
9	☐	1.000		6423726.71		A	1.2

89 Y (ISTD) [He]

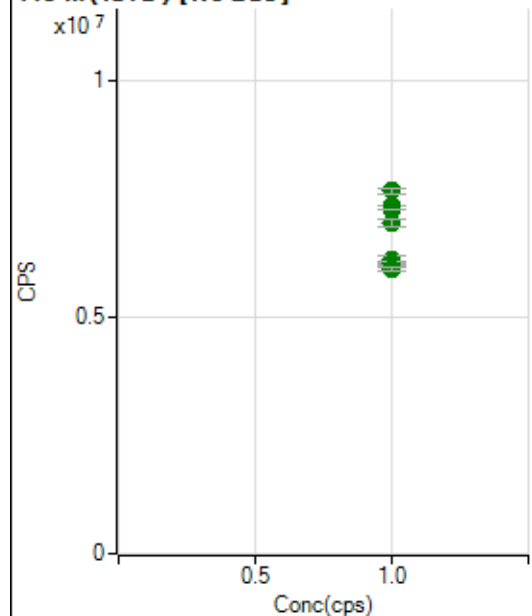
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1195345.39		P	0.7
2	☐	1.000					
3	☐	1.000		1170025.89		P	0.6
4	☐	1.000		1127975.37		P	0.6
5	☐	1.000		1028838.14		P	0.8
6	☐	1.000		915986.92		P	0.5
7	☐	1.000		930815.90		P	0.6
8	☐	1.000		963523.92		P	2.4
9	☐	1.000		967826.17		P	1.4

103 Rh (ISTD) [No Gas]

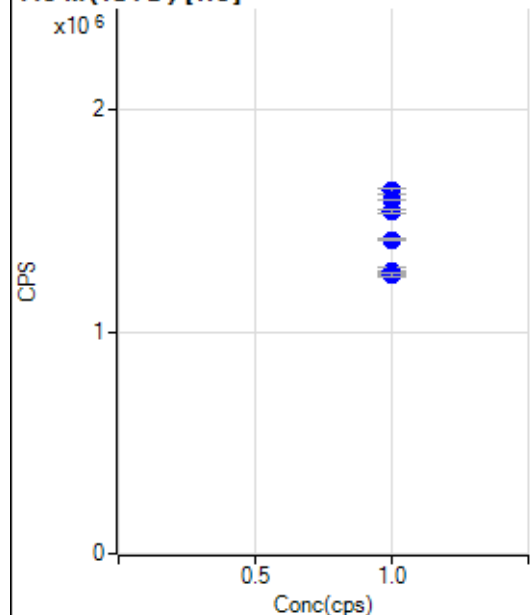
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7051206.41		A	1.5
2	☐	1.000					
3	☐	1.000		6728497.29		A	0.2
4	☐	1.000		6667307.70		A	0.5
5	☐	1.000		6261104.61		A	1.4
6	☐	1.000		5470232.80		A	1.8
7	☐	1.000		5224462.35		P	0.3
8	☐	1.000		5159845.21		P	0.5
9	☐	1.000		4842070.60		P	1.3

103 Rh (ISTD) [He]

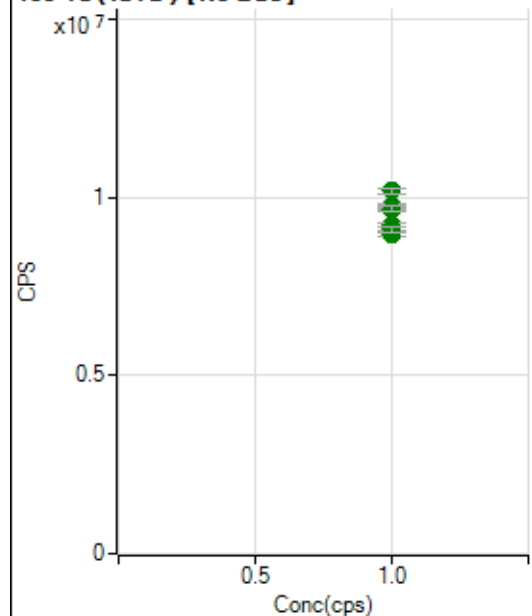
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3426376.20		P	1.6
2	☐	1.000					
3	☐	1.000		3336428.25		P	0.9
4	☐	1.000		3222146.31		P	0.1
5	☐	1.000		2934262.73		P	0.8
6	☐	1.000		2586062.71		P	0.6
7	☐	1.000		2596582.98		P	0.8
8	☐	1.000		2626102.70		P	2.4
9	☐	1.000		2416943.54		P	1.1

115 In (ISTD) [No Gas]

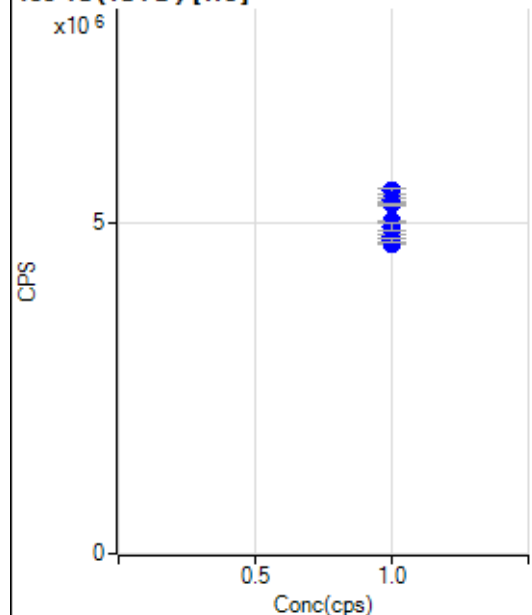
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7666119.96		A	1.3
2	☐	1.000					
3	☐	1.000		7345891.93		A	0.3
4	☐	1.000		7273228.78		A	0.4
5	☐	1.000		6992702.14		A	2.2
6	☐	1.000		6233187.91		A	1.9
7	☐	1.000		6105278.35		A	0.5
8	☐	1.000		6117189.45		A	1.3
9	☐	1.000		6002853.62		A	1.5

115 In (ISTD) [He]

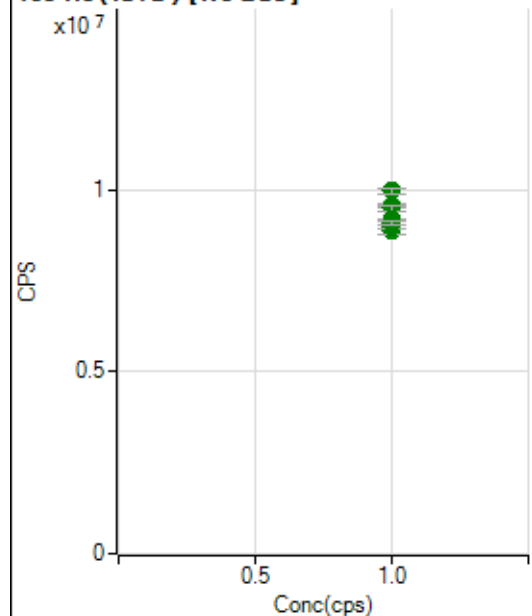
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1636641.07		P	1.4
2	☐	1.000					
3	☐	1.000		1597752.43		P	0.3
4	☐	1.000		1543695.77		P	0.7
5	☐	1.000		1417822.46		P	0.9
6	☐	1.000		1258104.93		P	0.7
7	☐	1.000		1266468.19		P	1.1
8	☐	1.000		1278528.67		P	2.3
9	☐	1.000		1258766.87		P	1.2

159 Tb (ISTD) [No Gas]

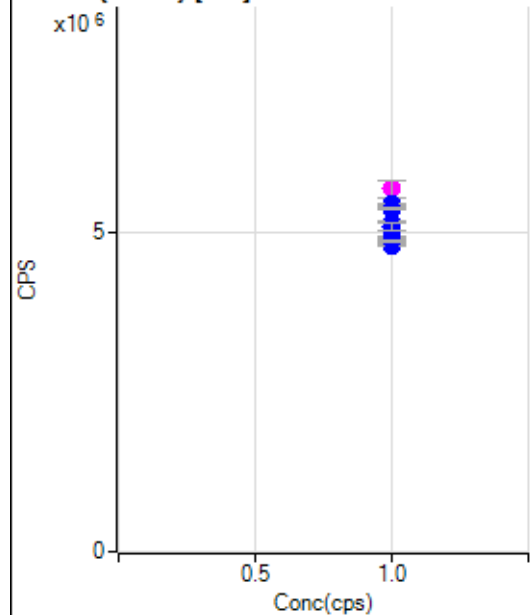
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10195219.22		A	1.3
2	☐	1.000					
3	☐	1.000		9702739.93		A	0.1
4	☐	1.000		9797982.70		A	0.5
5	☐	1.000		9698127.63		A	1.9
6	☐	1.000		8979043.76		A	1.3
7	☐	1.000		9040950.84		A	0.6
8	☐	1.000		9237402.71		A	0.8
9	☐	1.000		9108321.60		A	1.6

159 Tb (ISTD) [He]

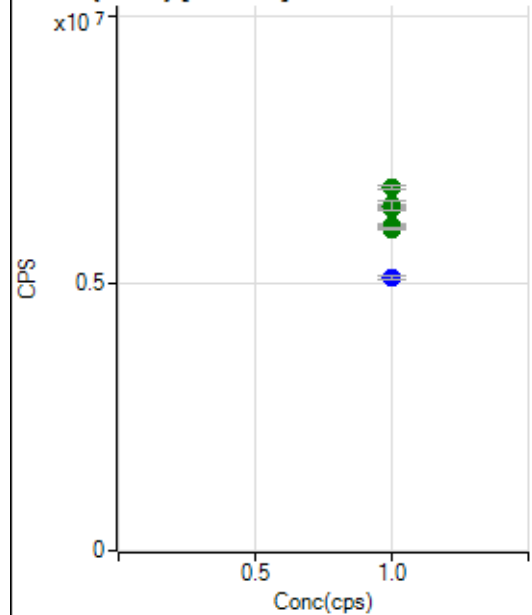
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5474905.68		P	1.6
2	☐	1.000					
3	☐	1.000		5335078.53		P	0.8
4	☐	1.000		5276085.09		P	0.4
5	☐	1.000		5013897.88		P	0.5
6	☐	1.000		4680821.98		P	0.4
7	☐	1.000		4786474.41		P	0.9
8	☐	1.000		4933641.45		P	2.7
9	☐	1.000		4736946.01		P	1.1

165 Ho (ISTD) [No Gas]

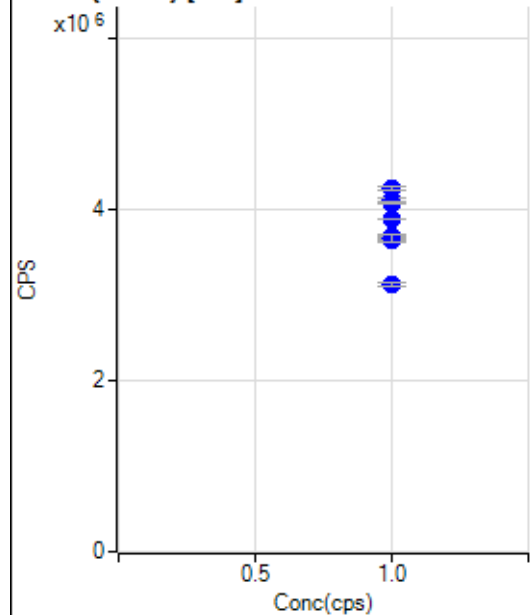
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9979517.76		A	1.6
2	☐	1.000					
3	☐	1.000		9557168.96		A	0.2
4	☐	1.000		9597968.36		A	0.1
5	☐	1.000		9518112.45		A	1.7
6	☐	1.000		8878837.70		A	1.9
7	☐	1.000		8992973.29		A	0.8
8	☐	1.000		9185535.71		A	0.3
9	☐	1.000		9087327.55		A	1.5

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5696037.07		M	4.5
2	☐	1.000					
3	☐	1.000		5454263.67		P	0.7
4	☐	1.000		5387357.63		P	0.3
5	☐	1.000		5172703.54		P	0.5
6	☐	1.000		4806258.09		P	0.7
7	☐	1.000		4940550.34		P	0.7
8	☐	1.000		5099770.44		P	2.6
9	☐	1.000		4878766.94		P	1.1

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6785209.83		A	1.0
2	☐	1.000					
3	☐	1.000		6408254.97		A	0.3
4	☐	1.000		6462601.02		A	0.5
5	☐	1.000		6451213.17		A	2.4
6	☐	1.000		6090050.40		A	1.2
7	☐	1.000		6069892.34		A	0.2
8	☐	1.000		6021622.27		A	0.3
9	☐	1.000		5111143.74		P	1.6

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4233283.51		P	1.0
2	☐	1.000					
3	☐	1.000		4108616.36		P	1.0
4	☐	1.000		4070675.67		P	0.4
5	☐	1.000		3885580.11		P	0.3
6	☐	1.000		3644123.24		P	0.7
7	☐	1.000		3671622.45		P	0.7
8	☐	1.000		3656874.98		P	2.3
9	☐	1.000		3118663.50		P	1.0

US EPA Tune Check Sample Report

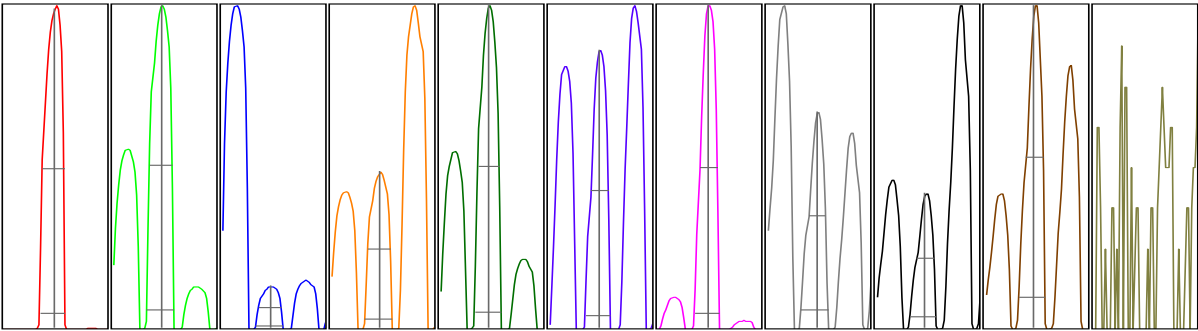
Batch Folder D:\ICP-MS Data\P7010419-MS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	10358	0.67	5.00	
24	78812	0.47	5.00	
25	10446	0.45	5.00	
26	11935	0.76	5.00	
59	55420	0.78	5.00	
113	7212	0.55	5.00	
115	83863	0.78	5.00	
206	21701	0.26	5.00	
207	20016	0.47	5.00	
208	47214	0.55	5.00	
220	0	47.51		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	10396	10442	10372	10267	10313
24	78864	79413	78735	78577	78468
25	10476	10466	10486	10427	10372
26	12045	11994	11943	11879	11816
59	55682	55665	55820	55114	54817
113	7244	7255	7220	7170	7173
115	84495	84101	84360	83383	82974
206	21737	21725	21744	21694	21605
207	20116	20083	19978	20028	19876
208	47186	47562	47371	47054	46897
220	0	0	0	0	0

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	17628	9.00	8.9 - 9.1		0.740	0.900	
24	127346	23.95	23.9 - 24.1		0.787	0.900	
25	16927	24.95	24.9 - 25.1		0.787	0.900	
26	19311	25.95	25.9 - 26.1		0.786	0.900	
59	96289	58.95	58.9 - 59.1		0.781	0.900	
113	14020	113.00	112.9 - 113.1		0.731	0.900	
115	164356	115.00	114.9 - 115.1		0.725	0.900	
206	42253	206.00	205.9 - 206.1		0.783	0.900	
207	38269	206.95	206.9 - 207.1		0.753	0.900	
208	91387	207.95	207.9 - 208.1		0.758	0.900	
220			-				

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

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.80	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.37 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	6.2	V	Deflect	14.8	V
Extract 2	-75.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-44	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	170	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	13610	0.32	
89	19054	0.41	
205	21180	0.52	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	13585	13636	13662	13551	13616
89	19021	19142	19115	18944	19046
205	21194	21304	21266	21056	21079

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.80	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.37 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	7.0	V	Deflect	1.6	V
Extract 2	-75.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-45	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	4.1	mL/min	OctP RF	200	V			

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:06:51	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.14	0.03	0.11	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	-0.01	0.01	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.02	-0.04	0.02	0.00	N/A	ppb
Boron	11-1	0.04	-0.03	-0.02	0.00	N/A	ppb
Cadmium	111-1	0.04	-0.02	-0.02	0.00	N/A	ppb
Cadmium	106-1	0.49	-0.16	-0.32	0.00	N/A	ppb
Cadmium	108-1	0.05	0.00	-0.05	0.00	N/A	ppb
Calcium	43-1	0.94	-0.46	-0.48	0.00	N/A	ppb
Calcium	44-1	0.01	0.36	-0.37	0.00	N/A	ppb
Chromium	52-2	0.01	0.01	-0.03	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	N/A	ppb
Copper	63-2	-0.01	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	0.09	0.01	-0.10	0.00	N/A	ppb
Iron	57-2	-0.18	0.16	0.02	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.00	-0.01	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.25	-0.22	-0.03	0.00	N/A	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:06:51	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	95-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	96-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	97-1	0.01	-0.01	-0.01	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.00	0.00	0.00	N/A	ppb
Phosphorus	31-2	-25.10	-25.14	-21.98	-24.07		ppb
Potassium	39-2	-0.83	-1.18	2.01	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	-0.14	-0.14	0.29	0.00	N/A	ppb
Selenium	78-2	0.49	-0.03	-0.46	0.00	N/A	ppb
Selenium	82-1	0.21	-0.19	-0.01	0.00	N/A	ppb
Silicon	28-1	-0.01	0.39	-0.38	0.00	N/A	ppb
Silver	109-1	0.00	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	0.37	-0.16	-0.21	0.00	N/A	ppb
Strontium	86-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-233.27	-190.52	-192.01	-205.27		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.01	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Thorium	232-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.01	-0.01	0.00	0.00	N/A	ppb
Titanium	47-1	0.00	0.01	-0.01	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:06:51	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	0.01	-0.02	0.01	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	N/A	ppb
Zirconium	91-1	0.01	0.00	-0.01	0.00	N/A	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:14:31	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.89	18.28	15.63	17.27	8.28	ppb
Antimony	121-1	1.98	2.00	2.01	2.00	0.81	ppb
Arsenic	75-2	0.97	1.01	1.09	1.02	6.13	ppb
Barium	135-1	9.93	10.15	10.13	10.07	1.21	ppb
Barium	137-1	9.85	10.03	9.82	9.90	1.15	ppb
Beryllium	9-1	1.03	1.06	1.01	1.03	2.67	ppb
Bismuth	209-1				94		%
Bismuth	209-2				97		%
Boron	10-1	22.43	25.62	24.40	24.15	6.66	ppb
Boron	11-1	23.54	24.09	24.20	23.94	1.47	ppb
Cadmium	111-1	1.17	1.18	1.15	1.16	1.21	ppb
Cadmium	106-1	1.63	3.09	2.28	2.33	31.35	ppb
Cadmium	108-1	0.89	1.06	0.86	0.93	11.63	ppb
Calcium	43-1	432.55	435.28	405.97	424.60	3.81	ppb
Calcium	44-1	434.54	430.95	425.70	430.39	1.03	ppb
Chromium	52-2	1.88	1.95	1.96	1.93	2.16	ppb
Cobalt	59-2	0.91	0.99	0.93	0.94	4.56	ppb
Copper	63-2	1.99	1.97	1.97	1.98	0.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				96		%
Indium	115-1				96		%
Indium	115-2				98		%
Iron	56-2	51.04	51.08	50.58	50.90	0.55	ppb
Iron	57-2	55.82	50.46	50.72	52.34	5.77	ppb
Krypton	83-1						cps
Lead	206-1	0.88	0.91	0.83	0.87	4.80	ppb
Lead	207-1	0.88	0.92	0.91	0.90	2.40	ppb
Lead	208-1	0.88	0.87	0.87	0.87	0.93	ppb
Lithium	6-1				99		%
Magnesium	24-2	463.12	459.22	455.56	459.30	0.82	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:14:31	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.97	0.99	1.02	0.99	2.72	ppb
Molybdenum	94-1	4.72	4.58	4.60	4.63	1.63	ppb
Molybdenum	95-1	4.96	4.72	4.68	4.79	3.14	ppb
Molybdenum	96-1	4.92	4.70	4.81	4.81	2.26	ppb
Molybdenum	97-1	4.87	4.77	4.50	4.71	4.10	ppb
Molybdenum	98-1	4.83	4.74	4.80	4.79	1.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.12	1.17	1.03	1.11	6.49	ppb
Phosphorus	31-2	16.70	15.11	40.40	24.07	58.84	ppb
Potassium	39-2	460.49	448.88	444.36	451.24	1.84	ppb
Rhodium	103-1				95		%
Rhodium	103-2				97		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	77-2	5.66	4.29	4.70	4.88	14.38	ppb
Selenium	78-2	4.48	6.25	5.12	5.29	16.95	ppb
Selenium	82-1	5.08	4.93	5.20	5.07	2.67	ppb
Silicon	28-1	10.51	9.49	9.65	9.88	5.59	ppb
Silver	109-1	1.14	1.17	1.13	1.15	2.01	ppb
Silver	107-1	1.19	1.10	1.16	1.15	4.16	ppb
Sodium	23-2	434.07	436.85	422.32	431.08	1.79	ppb
Strontium	86-1	1.03	1.09	0.96	1.02	6.45	ppb
Strontium	88-1	0.93	0.94	0.90	0.92	2.46	ppb
Sulfur	34-1	228.80	251.39	135.62	205.27	29.89	ppb
Terbium	159-1				95		%
Terbium	159-2				97		%
Thallium	203-1	0.91	0.88	0.82	0.87	5.14	ppb
Thallium	205-1	0.89	0.90	0.89	0.89	0.78	ppb
Thorium	232-1	0.80	0.82	0.79	0.80	1.86	ppb
Tin	118-1	5.21	5.12	5.22	5.19	1.06	ppb
Titanium	47-1	5.00	4.85	4.64	4.83	3.69	ppb
Uranium	238-1	0.81	0.81	0.81	0.81	0.25	ppb
Vanadium	51-2	4.96	5.04	4.95	4.99	1.03	ppb
Yttrium	89-1				97		%
Yttrium	89-2				98		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:14:31	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	1.85	1.74	1.78	1.79	2.97	ppb
Zirconium	90-1	0.92	0.89	0.92	0.91	1.95	ppb
Zirconium	91-1	0.89	0.87	0.95	0.90	4.55	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P7
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:18:26 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	973.54	1006.05	991.24	990.28	1.64	ppb
Antimony	121-1	55.46	55.09	55.14	55.23	0.37	ppb
Arsenic	75-2	54.08	54.33	54.45	54.29	0.35	ppb
Barium	135-1	270.13	267.40	264.95	267.49	0.97	ppb
Barium	137-1	271.91	267.51	266.00	268.47	1.14	ppb
Beryllium	9-1	56.85	56.37	56.57	56.60	0.43	ppb
Bismuth	209-1				95		%
Bismuth	209-2				96		%
Boron	10-1	53.10	54.29	53.41	53.60	1.16	ppb
Boron	11-1	53.74	53.54	54.53	53.94	0.96	ppb
Cadmium	111-1	59.47	58.56	58.34	58.79	1.01	ppb
Cadmium	106-1	58.87	60.05	57.29	58.74	2.36	ppb
Cadmium	108-1	56.63	56.19	55.88	56.23	0.67	ppb
Calcium	43-1	4931.63	4881.96	4834.86	4882.82	0.99	ppb
Calcium	44-1	4890.84	4816.00	4817.34	4841.39	0.88	ppb
Chromium	52-2	53.17	53.85	53.43	53.48	0.65	ppb
Cobalt	59-2	55.25	56.14	55.58	55.66	0.81	ppb
Copper	63-2	112.35	112.86	111.53	112.25	0.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				95		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	2643.52	2692.08	2660.48	2665.36	0.92	ppb
Iron	57-2	2674.93	2703.04	2645.54	2674.51	1.07	ppb
Krypton	83-1						cps
Lead	206-1	50.19	49.64	50.36	50.06	0.76	ppb
Lead	207-1	51.23	50.91	51.66	51.27	0.74	ppb
Lead	208-1	49.95	49.87	50.18	50.00	0.32	ppb
Lithium	6-1				101		%
Magnesium	24-2	5324.00	5339.88	5302.26	5322.05	0.35	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:18:26	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	105.19	105.05	105.23	105.16	0.09	ppb
Molybdenum	94-1	256.91	252.99	253.92	254.61	0.81	ppb
Molybdenum	95-1	256.66	254.44	256.32	255.81	0.47	ppb
Molybdenum	96-1	256.07	253.90	255.68	255.22	0.45	ppb
Molybdenum	97-1	258.73	253.84	256.43	256.34	0.95	ppb
Molybdenum	98-1	254.45	253.00	254.57	254.01	0.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	56.13	58.05	56.57	56.92	1.76	ppb
Phosphorus	31-2	1142.06	1079.13	1005.60	1075.60	6.35	ppb
Potassium	39-2	2469.70	2484.51	2463.63	2472.61	0.43	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	77-2	55.25	57.86	65.42	59.51	8.88	ppb
Selenium	78-2	55.71	54.65	54.74	55.03	1.07	ppb
Selenium	82-1	53.46	53.43	52.77	53.22	0.74	ppb
Silicon	28-1	58.48	58.69	58.30	58.49	0.33	ppb
Silver	109-1	59.00	59.71	59.25	59.32	0.60	ppb
Silver	107-1	60.46	59.95	60.01	60.14	0.46	ppb
Sodium	23-2	4917.38	4976.59	4921.12	4938.36	0.67	ppb
Strontium	86-1	52.35	52.41	51.44	52.07	1.05	ppb
Strontium	88-1	51.26	50.95	51.08	51.10	0.31	ppb
Sulfur	34-1	1408.88	1392.98	1386.01	1395.96	0.84	ppb
Terbium	159-1				96		%
Terbium	159-2				96		%
Thallium	203-1	49.52	49.19	49.99	49.57	0.81	ppb
Thallium	205-1	50.05	49.56	50.05	49.89	0.57	ppb
Thorium	232-1	46.06	46.00	45.88	45.98	0.20	ppb
Tin	118-1	55.49	56.10	54.20	55.26	1.75	ppb
Titanium	47-1	258.99	255.57	257.08	257.21	0.67	ppb
Uranium	238-1	45.94	45.64	46.29	45.96	0.70	ppb
Vanadium	51-2	51.92	52.72	52.71	52.45	0.88	ppb
Yttrium	89-1				96		%
Yttrium	89-2				94		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:18:26	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	106.33	106.65	107.04	106.67	0.33	ppb
Zirconium	90-1	51.22	50.36	50.13	50.57	1.13	ppb
Zirconium	91-1	52.48	52.03	51.86	52.12	0.62	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:22:20	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2434.96	2491.65	2445.61	2457.41	1.23	ppb
Antimony	121-1	132.90	131.45	127.27	130.54	2.24	ppb
Arsenic	75-2	131.23	134.38	131.59	132.40	1.30	ppb
Barium	135-1	646.59	646.08	619.96	637.54	2.39	ppb
Barium	137-1	646.55	642.01	620.77	636.44	2.16	ppb
Beryllium	9-1	135.36	134.86	130.15	133.46	2.15	ppb
Bismuth	209-1				95		%
Bismuth	209-2				92		%
Boron	10-1	126.10	128.02	126.33	126.82	0.83	ppb
Boron	11-1	127.83	130.56	128.49	128.96	1.11	ppb
Cadmium	111-1	140.75	139.34	133.64	137.91	2.73	ppb
Cadmium	106-1	138.64	136.29	132.50	135.81	2.28	ppb
Cadmium	108-1	137.91	141.34	134.86	138.04	2.35	ppb
Calcium	43-1	11767.72	11862.84	11499.40	11709.99	1.61	ppb
Calcium	44-1	11749.86	11781.49	11403.05	11644.80	1.80	ppb
Chromium	52-2	129.10	131.89	129.86	130.28	1.11	ppb
Cobalt	59-2	132.68	135.19	133.01	133.63	1.02	ppb
Copper	63-2	270.30	274.41	271.24	271.99	0.79	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				95		%
Holmium	165-2				91		%
Indium	115-1				91		%
Indium	115-2				87		%
Iron	56-2	6449.32	6513.99	6421.37	6461.56	0.74	ppb
Iron	57-2	6507.61	6627.40	6553.95	6562.99	0.92	ppb
Krypton	83-1						cps
Lead	206-1	122.75	122.93	116.89	120.86	2.84	ppb
Lead	207-1	125.97	126.89	121.23	124.70	2.43	ppb
Lead	208-1	122.97	123.16	118.23	121.45	2.30	ppb
Lithium	6-1				101		%
Magnesium	24-2	13105.42	13477.75	13157.71	13246.96	1.52	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P7
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:22:20 DataFile Name : 007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	257.23	264.12	257.90	259.75	1.46	ppb
Molybdenum	94-1	619.93	627.41	602.12	616.49	2.11	ppb
Molybdenum	95-1	625.57	628.78	604.53	619.63	2.13	ppb
Molybdenum	96-1	624.58	618.06	595.40	612.68	2.50	ppb
Molybdenum	97-1	621.00	622.48	599.00	614.16	2.14	ppb
Molybdenum	98-1	621.91	623.25	601.56	615.57	1.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	134.15	138.72	137.24	136.70	1.71	ppb
Phosphorus	31-2	2506.70	2582.58	2525.78	2538.35	1.56	ppb
Potassium	39-2	6044.08	6193.32	6056.44	6097.95	1.36	ppb
Rhodium	103-1				89		%
Rhodium	103-2				86		%
Scandium	45-1				93		%
Scandium	45-2				86		%
Selenium	77-2	125.74	134.30	122.86	127.63	4.66	ppb
Selenium	78-2	139.11	138.40	132.70	136.74	2.57	ppb
Selenium	82-1	132.60	131.86	126.96	130.47	2.35	ppb
Silicon	28-1	136.42	139.15	134.31	136.62	1.78	ppb
Silver	109-1	141.39	139.16	133.70	138.08	2.87	ppb
Silver	107-1	141.34	139.46	134.46	138.42	2.57	ppb
Sodium	23-2	12194.80	12324.43	12168.03	12229.09	0.68	ppb
Strontium	86-1	126.69	125.51	122.81	125.00	1.59	ppb
Strontium	88-1	125.11	123.96	120.33	123.13	2.03	ppb
Sulfur	34-1	2644.75	2673.46	2476.96	2598.39	4.08	ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	120.85	122.54	116.80	120.06	2.45	ppb
Thallium	205-1	121.53	121.47	116.59	119.86	2.37	ppb
Thorium	232-1	114.59	114.51	109.69	112.93	2.48	ppb
Tin	118-1	133.98	130.83	126.90	130.57	2.71	ppb
Titanium	47-1	622.62	628.14	602.52	617.76	2.18	ppb
Uranium	238-1	115.07	115.55	110.01	113.55	2.71	ppb
Vanadium	51-2	128.33	131.78	127.71	129.27	1.69	ppb
Yttrium	89-1				92		%
Yttrium	89-2				86		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:22:20	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	262.01	262.05	265.50	263.19	0.76	ppb
Zirconium	90-1	124.45	123.68	118.94	122.36	2.44	ppb
Zirconium	91-1	127.82	127.60	122.01	125.81	2.62	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:26:09	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5022.30	4992.24	5028.98	5014.51	0.39	ppb
Antimony	121-1	263.79	268.66	261.57	264.67	1.37	ppb
Arsenic	75-2	266.68	266.90	264.64	266.08	0.47	ppb
Barium	135-1	1294.04	1323.76	1290.71	1302.83	1.40	ppb
Barium	137-1	1296.53	1321.05	1296.81	1304.80	1.08	ppb
Beryllium	9-1	266.25	268.61	264.35	266.40	0.80	ppb
Bismuth	209-1				90		%
Bismuth	209-2				86		%
Boron	10-1	257.29	259.42	260.93	259.21	0.70	ppb
Boron	11-1	255.67	267.16	260.09	260.98	2.22	ppb
Cadmium	111-1	272.81	282.68	274.47	276.65	1.91	ppb
Cadmium	106-1	267.48	279.63	258.55	268.55	3.94	ppb
Cadmium	108-1	267.82	274.06	272.31	271.40	1.18	ppb
Calcium	43-1	24277.47	25265.51	24945.40	24829.46	2.03	ppb
Calcium	44-1	24192.57	25074.77	24696.80	24654.71	1.80	ppb
Chromium	52-2	266.89	265.04	264.20	265.37	0.52	ppb
Cobalt	59-2	269.53	273.33	268.52	270.46	0.94	ppb
Copper	63-2	540.84	542.40	539.62	540.95	0.26	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				89		%
Holmium	165-2				84		%
Indium	115-1				81		%
Indium	115-2				77		%
Iron	56-2	13251.94	13191.30	13120.00	13187.75	0.50	ppb
Iron	57-2	13350.67	13382.63	13372.64	13368.65	0.12	ppb
Krypton	83-1						cps
Lead	206-1	250.73	258.00	253.34	254.02	1.45	ppb
Lead	207-1	258.88	266.11	261.03	262.01	1.42	ppb
Lead	208-1	251.89	259.50	254.39	255.26	1.52	ppb
Lithium	6-1				93		%
Magnesium	24-2	27364.60	27361.24	27201.12	27308.98	0.34	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:26:09	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	536.22	531.87	531.01	533.03	0.52	ppb
Molybdenum	94-1	1259.04	1300.15	1285.61	1281.60	1.63	ppb
Molybdenum	95-1	1256.61	1313.66	1283.45	1284.57	2.22	ppb
Molybdenum	96-1	1258.97	1312.92	1293.00	1288.30	2.12	ppb
Molybdenum	97-1	1263.90	1310.42	1288.26	1287.53	1.81	ppb
Molybdenum	98-1	1263.80	1317.70	1291.39	1290.96	2.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	273.59	274.89	273.14	273.87	0.33	ppb
Phosphorus	31-2	5288.13	5294.39	5219.80	5267.44	0.79	ppb
Potassium	39-2	12380.22	12451.83	12368.21	12400.09	0.36	ppb
Rhodium	103-1				78		%
Rhodium	103-2				75		%
Scandium	45-1				80		%
Scandium	45-2				76		%
Selenium	77-2	265.97	250.66	262.35	259.66	3.08	ppb
Selenium	78-2	262.23	278.67	273.41	271.43	3.09	ppb
Selenium	82-1	265.97	276.32	267.73	270.01	2.05	ppb
Silicon	28-1	272.63	288.34	283.52	281.50	2.86	ppb
Silver	109-1	271.39	275.81	269.34	272.18	1.22	ppb
Silver	107-1	273.04	276.71	267.93	272.56	1.62	ppb
Sodium	23-2	25447.87	25398.49	25316.92	25387.76	0.26	ppb
Strontium	86-1	258.41	266.13	262.34	262.29	1.47	ppb
Strontium	88-1	254.68	263.28	258.18	258.71	1.67	ppb
Sulfur	34-1	5192.94	5598.10	5393.35	5394.80	3.76	ppb
Terbium	159-1				88		%
Terbium	159-2				85		%
Thallium	203-1	249.17	257.35	251.60	252.71	1.66	ppb
Thallium	205-1	248.63	255.17	249.84	251.21	1.38	ppb
Thorium	232-1	244.21	250.74	247.91	247.62	1.32	ppb
Tin	118-1	263.68	270.45	261.29	265.14	1.79	ppb
Titanium	47-1	1277.10	1322.33	1297.58	1299.00	1.74	ppb
Uranium	238-1	245.33	251.09	249.73	248.71	1.21	ppb
Vanadium	51-2	260.10	263.57	260.88	261.52	0.70	ppb
Yttrium	89-1				81		%
Yttrium	89-2				77		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:26:09	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	530.61	528.75	528.10	529.15	0.25	ppb
Zirconium	90-1	253.25	261.71	255.09	256.69	1.73	ppb
Zirconium	91-1	257.33	270.24	262.33	263.30	2.47	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:29:56	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9552.46	9651.14	9419.40	9541.00	1.22	ppb
Antimony	121-1	499.26	498.70	492.63	496.87	0.74	ppb
Arsenic	75-2	509.72	505.35	504.94	506.67	0.52	ppb
Barium	135-1	2475.44	2443.78	2434.50	2451.24	0.88	ppb
Barium	137-1	2502.94	2495.31	2480.46	2492.90	0.46	ppb
Beryllium	9-1	508.73	505.23	500.14	504.70	0.86	ppb
Bismuth	209-1				89		%
Bismuth	209-2				87		%
Boron	10-1	498.73	504.93	505.29	502.99	0.73	ppb
Boron	11-1	496.76	499.60	502.31	499.56	0.55	ppb
Cadmium	111-1	520.34	512.35	512.02	514.90	0.91	ppb
Cadmium	106-1	508.08	510.30	511.05	509.81	0.30	ppb
Cadmium	108-1	521.04	511.24	506.95	513.08	1.41	ppb
Calcium	43-1	47663.82	47323.03	47610.08	47532.31	0.39	ppb
Calcium	44-1	47451.26	47274.35	47367.50	47364.37	0.19	ppb
Chromium	52-2	498.15	498.33	497.30	497.93	0.11	ppb
Cobalt	59-2	504.79	501.89	502.17	502.95	0.32	ppb
Copper	63-2	1018.14	1024.85	1008.90	1017.30	0.79	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				90		%
Holmium	165-2				87		%
Indium	115-1				80		%
Indium	115-2				77		%
Iron	56-2	25171.87	24916.78	24693.56	24927.40	0.96	ppb
Iron	57-2	25233.56	25142.99	25022.81	25133.12	0.42	ppb
Krypton	83-1						cps
Lead	206-1	486.64	487.00	481.59	485.08	0.62	ppb
Lead	207-1	509.19	502.64	499.92	503.92	0.94	ppb
Lead	208-1	496.28	494.53	491.33	494.04	0.51	ppb
Lithium	6-1				92		%
Magnesium	24-2	52243.72	51759.98	51531.76	51845.15	0.70	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P7
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:29:56 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1002.07	1003.61	1000.58	1002.09	0.15	ppb
Molybdenum	94-1	2499.99	2484.69	2485.85	2490.18	0.34	ppb
Molybdenum	95-1	2504.33	2477.03	2490.11	2490.49	0.55	ppb
Molybdenum	96-1	2492.56	2495.79	2488.14	2492.16	0.15	ppb
Molybdenum	97-1	2445.58	2450.16	2446.97	2447.57	0.10	ppb
Molybdenum	98-1	2494.91	2498.77	2480.60	2491.43	0.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.57	507.31	505.15	506.34	0.22	ppb
Phosphorus	31-2	10012.24	10272.64	9779.20	10021.36	2.46	ppb
Potassium	39-2	23537.28	23665.81	23186.58	23463.22	1.06	ppb
Rhodium	103-1				74		%
Rhodium	103-2				76		%
Scandium	45-1				78		%
Scandium	45-2				78		%
Selenium	77-2	493.55	526.83	497.10	505.82	3.61	ppb
Selenium	78-2	510.98	517.21	515.35	514.51	0.62	ppb
Selenium	82-1	510.43	506.02	508.13	508.20	0.43	ppb
Silicon	28-1	527.11	526.59	529.49	527.73	0.29	ppb
Silver	109-1	501.10	498.49	490.88	496.82	1.07	ppb
Silver	107-1	500.71	500.61	494.90	498.74	0.67	ppb
Sodium	23-2	48621.01	48597.27	48142.50	48453.59	0.56	ppb
Strontium	86-1	505.29	502.16	498.41	501.95	0.69	ppb
Strontium	88-1	501.74	497.93	498.77	499.48	0.40	ppb
Sulfur	34-1	10207.00	10217.12	10144.46	10189.53	0.39	ppb
Terbium	159-1				89		%
Terbium	159-2				87		%
Thallium	203-1	486.03	480.12	484.35	483.50	0.63	ppb
Thallium	205-1	491.54	492.10	490.90	491.51	0.12	ppb
Thorium	232-1	491.99	486.18	487.25	488.47	0.63	ppb
Tin	118-1	494.00	494.74	489.12	492.62	0.62	ppb
Titanium	47-1	2484.89	2480.47	2490.38	2485.25	0.20	ppb
Uranium	238-1	488.98	489.16	488.67	488.94	0.05	ppb
Vanadium	51-2	500.07	497.34	492.47	496.63	0.77	ppb
Yttrium	89-1				80		%
Yttrium	89-2				78		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:29:56	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	1037.67	1025.84	1022.90	1028.80	0.76	ppb
Zirconium	90-1	496.59	496.75	494.46	495.93	0.26	ppb
Zirconium	91-1	500.64	500.54	497.87	499.68	0.31	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:33:41	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19023.59	19365.91	18569.68	18986.39	2.10	ppb
Antimony	121-1	995.98	999.86	994.99	996.95	0.26	ppb
Arsenic	75-2	996.77	1007.96	969.79	991.51	1.98	ppb
Barium	135-1	4994.44	5014.84	5016.91	5008.73	0.25	ppb
Barium	137-1	4969.69	5000.64	4992.15	4987.50	0.32	ppb
Beryllium	9-1	987.33	994.46	994.68	992.16	0.42	ppb
Bismuth	209-1				89		%
Bismuth	209-2				86		%
Boron	10-1	976.85	1001.74	1008.86	995.82	1.69	ppb
Boron	11-1	977.71	995.36	1017.37	996.81	1.99	ppb
Cadmium	111-1	989.84	981.92	979.74	983.83	0.54	ppb
Cadmium	106-1	994.67	986.26	985.08	988.67	0.53	ppb
Cadmium	108-1	986.35	988.80	983.37	986.17	0.28	ppb
Calcium	43-1	95177.40	94562.88	95670.19	95136.82	0.58	ppb
Calcium	44-1	94755.64	95135.78	95506.32	95132.58	0.39	ppb
Chromium	52-2	997.06	1009.80	982.21	996.36	1.39	ppb
Cobalt	59-2	986.13	1008.81	981.20	992.05	1.48	ppb
Copper	63-2	1967.49	2010.33	1955.43	1977.75	1.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				90		%
Indium	115-1				80		%
Indium	115-2				78		%
Iron	56-2	49630.85	50278.39	48432.93	49447.39	1.89	ppb
Iron	57-2	49761.87	50389.91	49257.71	49803.16	1.14	ppb
Krypton	83-1						cps
Lead	206-1	1001.61	1010.75	1008.55	1006.97	0.47	ppb
Lead	207-1	998.32	996.06	990.66	995.01	0.40	ppb
Lead	208-1	1001.63	1001.15	1003.54	1002.11	0.13	ppb
Lithium	6-1				92		%
Magnesium	24-2	103847.22	104881.24	101193.29	103307.25	1.84	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P7
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:33:41 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1991.09	2015.02	1961.56	1989.22	1.35	ppb
Molybdenum	94-1	5019.49	4974.03	5000.01	4997.85	0.46	ppb
Molybdenum	95-1	5024.37	4965.22	4999.89	4996.49	0.59	ppb
Molybdenum	96-1	5025.14	4961.25	5000.49	4995.62	0.65	ppb
Molybdenum	97-1	5041.42	4980.78	5031.41	5017.87	0.65	ppb
Molybdenum	98-1	4980.44	4981.22	5023.42	4995.02	0.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	985.15	1006.42	975.58	989.05	1.60	ppb
Phosphorus	31-2	19858.44	20190.61	19692.61	19913.89	1.27	ppb
Potassium	39-2	47486.89	47862.23	46601.24	47316.79	1.37	ppb
Rhodium	103-1				73		%
Rhodium	103-2				77		%
Scandium	45-1				79		%
Scandium	45-2				80		%
Selenium	77-2	999.35	985.83	996.43	993.87	0.72	ppb
Selenium	78-2	998.77	998.25	959.97	985.66	2.26	ppb
Selenium	82-1	990.48	993.63	986.06	990.06	0.38	ppb
Silicon	28-1	967.74	978.42	982.99	976.38	0.80	ppb
Silver	109-1	995.84	992.89	993.09	993.94	0.17	ppb
Silver	107-1	993.54	993.23	991.65	992.81	0.10	ppb
Sodium	23-2	96623.62	98331.72	94937.77	96631.04	1.76	ppb
Strontium	86-1	999.69	990.59	997.26	995.85	0.47	ppb
Strontium	88-1	1001.18	996.70	996.90	998.26	0.25	ppb
Sulfur	34-1	19769.01	19821.99	19732.32	19774.44	0.23	ppb
Terbium	159-1				91		%
Terbium	159-2				90		%
Thallium	203-1	1005.50	1009.69	1009.45	1008.21	0.23	ppb
Thallium	205-1	1000.66	1002.92	1010.19	1004.59	0.50	ppb
Thorium	232-1	1012.74	1001.64	1009.82	1008.07	0.57	ppb
Tin	118-1	999.67	1000.48	996.68	998.94	0.20	ppb
Titanium	47-1	4995.77	4992.26	4998.99	4995.67	0.07	ppb
Uranium	238-1	1006.56	1011.71	1004.18	1007.49	0.38	ppb
Vanadium	51-2	999.56	1012.56	982.33	998.15	1.52	ppb
Yttrium	89-1				82		%
Yttrium	89-2				81		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:33:41	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	1973.28	2017.14	1938.56	1976.33	1.99	ppb
Zirconium	90-1	1002.57	994.19	1005.24	1000.67	0.58	ppb
Zirconium	91-1	1001.35	992.27	996.26	996.63	0.46	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:37:25	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100906.18	99961.34	99879.66	100249.06	0.57	ppb
Antimony	121-1	1.19	1.24	1.16	1.19	3.48	ppb
Arsenic	75-2	1.38	1.40	1.49	1.42	3.99	ppb
Barium	135-1	0.94	0.96	0.86	0.92	5.93	ppb
Barium	137-1	0.80	0.84	0.79	0.81	3.16	ppb
Beryllium	9-1	0.16	0.13	0.16	0.15	14.53	ppb
Bismuth	209-1				75		%
Bismuth	209-2				74		%
Boron	10-1	25.00	23.79	22.19	23.66	5.96	ppb
Boron	11-1	25.51	23.68	20.97	23.39	9.76	ppb
Cadmium	111-1	0.06	0.14	0.21	0.14	53.31	ppb
Cadmium	106-1	-0.63	0.25	0.88	0.16	463.73	ppb
Cadmium	108-1	0.28	0.13	0.16	0.19	40.85	ppb
Calcium	43-1	495472.47	511745.41	496528.92	501248.93	1.82	ppb
Calcium	44-1	496377.72	509534.69	497919.63	501277.35	1.43	ppb
Chromium	52-2	15.41	15.61	15.69	15.57	0.94	ppb
Cobalt	59-2	12.71	12.30	12.40	12.47	1.71	ppb
Copper	63-2	2.93	2.81	2.84	2.86	2.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				91		%
Holmium	165-2				86		%
Indium	115-1				78		%
Indium	115-2				77		%
Iron	56-2	250356.54	251028.92	248843.89	250076.45	0.45	ppb
Iron	57-2	251216.17	250724.23	247978.76	249973.05	0.70	ppb
Krypton	83-1						cps
Lead	206-1	1.35	1.38	1.41	1.38	2.14	ppb
Lead	207-1	1.28	1.29	1.29	1.29	0.45	ppb
Lead	208-1	1.33	1.33	1.33	1.33	0.28	ppb
Lithium	6-1				84		%
Magnesium	24-2	500518.20	501357.79	495174.21	499016.73	0.67	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:37:25	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	11.62	11.68	11.68	11.66	0.31	ppb
Molybdenum	94-1	3.67	3.96	3.50	3.71	6.39	ppb
Molybdenum	95-1	4.29	4.36	4.35	4.33	0.78	ppb
Molybdenum	96-1	6.18	6.01	6.29	6.16	2.28	ppb
Molybdenum	97-1	4.21	4.16	4.20	4.19	0.63	ppb
Molybdenum	98-1	4.02	4.11	3.94	4.02	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.98	18.68	18.60	18.75	1.08	ppb
Phosphorus	31-2	-9.25	-5.39	-1.82	-5.48		ppb
Potassium	39-2	251438.97	250716.41	249943.09	250699.49	0.30	ppb
Rhodium	103-1				69		%
Rhodium	103-2				71		%
Scandium	45-1				81		%
Scandium	45-2				82		%
Selenium	77-2	-0.14	0.93	-0.14	0.22	288.67	ppb
Selenium	78-2	-0.45	-0.46	0.89	-0.01		ppb
Selenium	82-1	0.92	0.43	0.72	0.69	35.70	ppb
Silicon	28-1	55.18	58.30	57.20	56.89	2.78	ppb
Silver	109-1	0.07	0.07	0.08	0.07	6.85	ppb
Silver	107-1	0.07	0.07	0.09	0.08	11.15	ppb
Sodium	23-2	504732.20	497435.93	500281.38	500816.50	0.73	ppb
Strontium	86-1	4.62	4.63	4.47	4.57	1.93	ppb
Strontium	88-1	4.59	4.70	4.57	4.62	1.49	ppb
Sulfur	34-1	-84.19	28.79	-100.39	-51.93		ppb
Terbium	159-1				89		%
Terbium	159-2				87		%
Thallium	203-1	0.25	0.23	0.22	0.23	6.55	ppb
Thallium	205-1	0.24	0.22	0.25	0.24	6.24	ppb
Thorium	232-1	0.20	0.18	0.19	0.19	5.28	ppb
Tin	118-1	0.96	0.88	0.86	0.90	5.52	ppb
Titanium	47-1	2.32	2.32	2.42	2.35	2.42	ppb
Uranium	238-1	0.09	0.09	0.09	0.09	5.46	ppb
Vanadium	51-2	0.22	0.22	0.27	0.23	12.39	ppb
Yttrium	89-1				82		%
Yttrium	89-2				81		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:37:25	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	16.27	15.78	15.94	16.00	1.56	ppb
Zirconium	90-1	0.44	0.43	0.39	0.42	5.40	ppb
Zirconium	91-1	0.41	0.51	0.45	0.46	11.31	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:47:13	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	502.45	496.65	502.71	500.60	0.69	ppb
Antimony	121-1	195.17	193.28	193.54	194.00	0.53	ppb
Arsenic	75-2	203.59	201.74	203.48	202.93	0.51	ppb
Barium	135-1	97.94	95.04	95.63	96.20	1.59	ppb
Barium	137-1	98.31	97.58	96.76	97.55	0.79	ppb
Beryllium	9-1	99.63	99.80	100.95	100.13	0.72	ppb
Bismuth	209-1				99		%
Bismuth	209-2				97		%
Boron	10-1	5.25	4.96	4.86	5.02	4.06	ppb
Boron	11-1	5.53	5.33	5.25	5.37	2.70	ppb
Cadmium	111-1	104.25	103.47	102.65	103.46	0.77	ppb
Cadmium	106-1	83.01	83.14	82.20	82.78	0.61	ppb
Cadmium	108-1	91.08	84.75	86.37	87.40	3.76	ppb
Calcium	43-1	1784.09	1830.59	1810.39	1808.36	1.29	ppb
Calcium	44-1	1805.53	1819.98	1804.28	1809.93	0.48	ppb
Chromium	52-2	96.22	96.36	96.56	96.38	0.18	ppb
Cobalt	59-2	101.25	100.12	102.20	101.19	1.03	ppb
Copper	63-2	104.39	103.54	104.87	104.27	0.65	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				99		%
Holmium	165-2				95		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	1005.03	1004.04	1011.19	1006.75	0.38	ppb
Iron	57-2	1022.14	998.11	1019.54	1013.26	1.30	ppb
Krypton	83-1						cps
Lead	206-1	186.74	184.37	183.36	184.83	0.94	ppb
Lead	207-1	182.79	181.42	180.00	181.40	0.77	ppb
Lead	208-1	181.53	180.25	179.66	180.48	0.53	ppb
Lithium	6-1				101		%
Magnesium	24-2	1156.90	1155.11	1167.16	1159.72	0.56	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:47:13	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	94.38	95.07	95.54	95.00	0.62	ppb
Molybdenum	94-1	0.10	0.07	0.10	0.09	20.53	ppb
Molybdenum	95-1	0.08	0.10	0.10	0.09	10.93	ppb
Molybdenum	96-1	0.10	0.09	0.09	0.09	8.15	ppb
Molybdenum	97-1	0.07	0.11	0.07	0.08	29.89	ppb
Molybdenum	98-1	0.08	0.08	0.09	0.08	7.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.81	103.59	104.38	104.26	0.59	ppb
Phosphorus	31-2	-32.81	-11.62	-20.32	-21.58		ppb
Potassium	39-2	1830.07	1836.56	1821.56	1829.40	0.41	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	77-2	213.22	206.85	202.64	207.57	2.57	ppb
Selenium	78-2	204.37	201.30	207.29	204.32	1.46	ppb
Selenium	82-1	199.76	202.06	201.65	201.16	0.61	ppb
Silicon	28-1	-0.11	0.24	0.44	0.19	148.58	ppb
Silver	109-1	105.89	105.40	104.99	105.43	0.43	ppb
Silver	107-1	105.67	105.69	104.96	105.44	0.39	ppb
Sodium	23-2	1863.73	1856.27	1871.10	1863.70	0.40	ppb
Strontium	86-1	2.11	2.17	2.21	2.16	2.36	ppb
Strontium	88-1	2.15	2.17	2.19	2.17	0.96	ppb
Sulfur	34-1	19.54	-81.19	-108.40	-56.69		ppb
Terbium	159-1				98		%
Terbium	159-2				97		%
Thallium	203-1	185.59	184.12	184.90	184.87	0.40	ppb
Thallium	205-1	185.44	184.17	183.12	184.24	0.63	ppb
Thorium	232-1	0.04	0.03	0.03	0.03	17.83	ppb
Tin	118-1	0.04	0.05	0.05	0.05	10.81	ppb
Titanium	47-1	0.05	0.08	0.04	0.06	44.36	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	7.55	ppb
Vanadium	51-2	95.28	97.02	97.03	96.44	1.05	ppb
Yttrium	89-1				96		%
Yttrium	89-2				94		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:47:13	DataFile Name :	012ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	195.86	194.01	197.28	195.72	0.84	ppb
Zirconium	90-1	0.02	0.01	0.01	0.01	42.86	ppb
Zirconium	91-1	0.10	0.15	0.10	0.12	20.84	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:55:50	DataFile Name :	013LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.48	17.40	18.90	18.26	4.24	ppb
Antimony	121-1	2.04	1.92	1.98	1.98	2.97	ppb
Arsenic	75-2	1.22	0.99	0.88	1.03	16.76	ppb
Barium	135-1	9.79	9.71	9.62	9.71	0.85	ppb
Barium	137-1	9.71	9.86	9.50	9.69	1.86	ppb
Beryllium	9-1	0.99	0.99	1.00	0.99	1.01	ppb
Bismuth	209-1				98		%
Bismuth	209-2				96		%
Boron	10-1	25.54	24.93	27.62	26.03	5.42	ppb
Boron	11-1	25.74	26.51	27.11	26.45	2.61	ppb
Cadmium	111-1	1.04	1.09	0.97	1.03	5.85	ppb
Cadmium	106-1	1.15	1.59	-0.43	0.77	138.14	ppb
Cadmium	108-1	1.35	0.95	0.92	1.07	22.31	ppb
Calcium	43-1	431.52	443.41	437.31	437.41	1.36	ppb
Calcium	44-1	441.68	432.34	429.91	434.64	1.43	ppb
Chromium	52-2	1.96	1.82	1.90	1.89	3.56	ppb
Cobalt	59-2	1.06	0.88	1.03	0.99	9.60	ppb
Copper	63-2	2.02	2.09	2.09	2.07	2.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				94		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	53.04	52.07	52.34	52.48	0.95	ppb
Iron	57-2	53.87	51.11	53.62	52.86	2.89	ppb
Krypton	83-1						cps
Lead	206-1	0.90	0.92	0.86	0.89	3.10	ppb
Lead	207-1	0.85	0.90	0.88	0.88	2.94	ppb
Lead	208-1	0.88	0.90	0.87	0.88	1.72	ppb
Lithium	6-1				102		%
Magnesium	24-2	480.56	471.08	470.71	474.12	1.18	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:55:50	DataFile Name :	013LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.99	0.93	1.00	0.97	3.84	ppb
Molybdenum	94-1	4.83	4.51	4.55	4.63	3.76	ppb
Molybdenum	95-1	4.92	4.84	4.83	4.86	0.94	ppb
Molybdenum	96-1	4.78	4.79	4.86	4.81	0.93	ppb
Molybdenum	97-1	4.77	5.06	4.68	4.84	4.06	ppb
Molybdenum	98-1	4.73	4.71	4.79	4.74	0.85	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.06	1.00	1.11	1.06	5.41	ppb
Phosphorus	31-2	50.12	10.76	13.39	24.76	88.88	ppb
Potassium	39-2	466.29	449.13	450.16	455.19	2.11	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	77-2	4.55	5.39	6.79	5.58	20.37	ppb
Selenium	78-2	4.81	4.92	5.17	4.96	3.74	ppb
Selenium	82-1	5.17	5.15	5.03	5.12	1.50	ppb
Silicon	28-1	8.27	8.49	8.03	8.26	2.79	ppb
Silver	109-1	1.13	1.09	1.11	1.11	1.83	ppb
Silver	107-1	1.11	1.08	1.14	1.11	2.77	ppb
Sodium	23-2	458.65	448.62	458.14	455.14	1.24	ppb
Strontium	86-1	1.01	0.99	0.95	0.98	3.30	ppb
Strontium	88-1	0.90	0.90	0.94	0.91	2.37	ppb
Sulfur	34-1	77.60	40.11	98.52	72.08	41.06	ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	0.95	0.91	0.90	0.92	2.71	ppb
Thallium	205-1	0.92	0.95	0.90	0.92	2.34	ppb
Thorium	232-1	0.82	0.81	0.77	0.80	2.99	ppb
Tin	118-1	5.19	4.86	4.99	5.01	3.40	ppb
Titanium	47-1	4.75	4.51	4.68	4.64	2.70	ppb
Uranium	238-1	0.78	0.81	0.78	0.79	2.37	ppb
Vanadium	51-2	4.99	4.97	5.16	5.04	2.10	ppb
Yttrium	89-1				96		%
Yttrium	89-2				94		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:55:50	DataFile Name :	013LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	1.97	1.88	2.39	2.08	13.14	ppb
Zirconium	90-1	0.91	0.93	0.87	0.90	2.98	ppb
Zirconium	91-1	1.00	0.90	0.92	0.94	5.58	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P7
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:03:08 DataFile Name : 014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.04	-0.13	-0.14	-0.10		ppb
Antimony	121-1	0.02	0.02	0.02	0.02	12.30	ppb
Arsenic	75-2	0.02	0.01	0.00	0.01	142.46	ppb
Barium	135-1	-0.01	0.00	-0.01	-0.01		ppb
Barium	137-1	0.01	-0.01	0.00	0.00	564.51	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	25.04	ppb
Bismuth	209-1				97		%
Bismuth	209-2				96		%
Boron	10-1	1.81	2.38	2.40	2.20	15.12	ppb
Boron	11-1	1.98	1.98	1.91	1.96	2.08	ppb
Cadmium	111-1	0.01	0.01	-0.01	0.01	227.58	ppb
Cadmium	106-1	0.21	0.12	-0.02	0.10	116.52	ppb
Cadmium	108-1	0.09	-0.03	0.00	0.02	280.26	ppb
Calcium	43-1	0.53	-0.70	-0.40	-0.19		ppb
Calcium	44-1	-0.49	-0.41	-0.87	-0.59		ppb
Chromium	52-2	0.00	-0.02	-0.01	-0.01		ppb
Cobalt	59-2	-0.01	-0.01	-0.01	-0.01		ppb
Copper	63-2	-0.01	-0.01	-0.01	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				94		%
Indium	115-1				95		%
Indium	115-2				94		%
Iron	56-2	0.09	0.05	0.12	0.09	44.45	ppb
Iron	57-2	0.49	-0.45	0.35	0.13	391.55	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.02	0.02	0.01	75.05	ppb
Lead	207-1	0.02	0.00	0.00	0.01	154.96	ppb
Lead	208-1	0.01	0.01	0.01	0.01	32.80	ppb
Lithium	6-1				101		%
Magnesium	24-2	0.48	0.60	0.55	0.54	11.12	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P7
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:03:08 DataFile Name : 014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.01	-0.01	0.01	0.00		ppb
Molybdenum	94-1	0.00	0.02	0.02	0.01	121.90	ppb
Molybdenum	95-1	0.01	0.00	0.01	0.01	64.05	ppb
Molybdenum	96-1	0.03	0.01	0.00	0.01	123.82	ppb
Molybdenum	97-1	0.01	0.01	0.04	0.02	72.50	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	90.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.00	0.00	0.00		ppb
Phosphorus	31-2	-31.19	-25.91	-20.76	-25.95		ppb
Potassium	39-2	-1.10	0.63	2.48	0.67	268.26	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	77-2	-0.14	-0.14	0.77	0.16	327.31	ppb
Selenium	78-2	-0.22	-0.14	-0.15	-0.17		ppb
Selenium	82-1	-0.01	-0.68	-0.30	-0.33		ppb
Silicon	28-1	-0.47	-0.47	-0.77	-0.57		ppb
Silver	109-1	0.00	0.01	0.01	0.01	38.87	ppb
Silver	107-1	0.00	0.00	0.00	0.00	46.55	ppb
Sodium	23-2	7.68	7.88	7.50	7.69	2.47	ppb
Strontium	86-1	0.02	0.05	0.05	0.04	36.07	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	115.64	ppb
Sulfur	34-1	89.02	143.89	140.82	124.58	24.75	ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	0.02	0.03	0.03	0.03	6.75	ppb
Thallium	205-1	0.02	0.03	0.02	0.02	16.22	ppb
Thorium	232-1	0.01	0.01	0.01	0.01	19.53	ppb
Tin	118-1	0.01	0.01	0.01	0.01	34.66	ppb
Titanium	47-1	-0.02	-0.02	-0.02	-0.02		ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				96		%
Yttrium	89-2				95		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:03:08	DataFile Name :	014CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	0.10	0.05	0.03	0.06	65.26	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	490.40	ppb
Zirconium	91-1	-0.01	0.01	0.00	0.00	847.50	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:06:43	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	84897.06	83132.66	83893.64	83974.45	1.05	ppb
Antimony	121-1	1.07	1.08	1.00	1.05	4.20	ppb
Arsenic	75-2	0.30	0.22	0.27	0.27	15.58	ppb
Barium	135-1	1.22	1.33	1.43	1.33	7.78	ppb
Barium	137-1	1.41	1.40	1.51	1.44	4.12	ppb
Beryllium	9-1	0.27	0.25	0.30	0.27	9.53	ppb
Bismuth	209-1				88		%
Bismuth	209-2				86		%
Boron	10-1	2.31	2.38	2.37	2.35	1.49	ppb
Boron	11-1	2.05	2.10	2.20	2.12	3.79	ppb
Cadmium	111-1	0.49	0.41	0.18	0.36	45.94	ppb
Cadmium	106-1	-1.56	-1.73	-2.95	-2.08		ppb
Cadmium	108-1	14.61	13.21	14.51	14.11	5.52	ppb
Calcium	43-1	91892.46	91763.88	90637.41	91431.25	0.76	ppb
Calcium	44-1	91027.62	91843.26	91601.53	91490.80	0.46	ppb
Chromium	52-2	19.25	18.92	19.39	19.19	1.24	ppb
Cobalt	59-2	1.13	1.14	1.29	1.18	7.45	ppb
Copper	63-2	7.54	7.48	7.30	7.44	1.69	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				91		%
Indium	115-1				85		%
Indium	115-2				83		%
Iron	56-2	96415.40	94688.53	96150.20	95751.37	0.97	ppb
Iron	57-2	96109.73	95439.35	96223.44	95924.17	0.44	ppb
Krypton	83-1						cps
Lead	206-1	4.72	4.84	4.75	4.77	1.37	ppb
Lead	207-1	4.29	4.31	4.17	4.26	1.79	ppb
Lead	208-1	4.42	4.43	4.41	4.42	0.30	ppb
Lithium	6-1				93		%
Magnesium	24-2	93830.75	92193.25	92629.68	92884.56	0.91	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:06:43	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.48	7.74	7.91	7.71	2.78	ppb
Molybdenum	94-1	1300.60	1290.63	1295.49	1295.57	0.38	ppb
Molybdenum	95-1	1885.54	1900.37	1885.29	1890.40	0.46	ppb
Molybdenum	96-1	1807.02	1812.81	1816.49	1812.11	0.26	ppb
Molybdenum	97-1	1864.16	1848.89	1852.69	1855.25	0.43	ppb
Molybdenum	98-1	1879.17	1885.57	1886.15	1883.63	0.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.39	5.20	5.43	5.34	2.30	ppb
Phosphorus	31-2	95203.09	93925.83	94530.20	94553.04	0.68	ppb
Potassium	39-2	91992.58	91125.60	91488.82	91535.67	0.48	ppb
Rhodium	103-1				79		%
Rhodium	103-2				80		%
Scandium	45-1				84		%
Scandium	45-2				86		%
Selenium	77-2	0.37	-0.14	-0.14	0.03	1073.89	ppb
Selenium	78-2	-0.02	1.11	0.27	0.45	129.86	ppb
Selenium	82-1	0.16	0.17	0.40	0.24	55.11	ppb
Silicon	28-1	22.44	21.79	21.45	21.89	2.29	ppb
Silver	109-1	0.06	0.05	0.05	0.05	16.84	ppb
Silver	107-1	0.05	0.05	0.04	0.05	11.74	ppb
Sodium	23-2	92149.46	91851.44	90811.68	91604.19	0.77	ppb
Strontium	86-1	32.40	33.53	33.00	32.98	1.72	ppb
Strontium	88-1	32.78	32.74	32.44	32.65	0.57	ppb
Sulfur	34-1	85627.64	85384.25	84503.73	85171.87	0.69	ppb
Terbium	159-1				94		%
Terbium	159-2				92		%
Thallium	203-1	0.09	0.10	0.12	0.10	10.84	ppb
Thallium	205-1	0.09	0.12	0.12	0.11	14.57	ppb
Thorium	232-1	0.01	0.02	0.01	0.01	8.65	ppb
Tin	118-1	0.22	0.21	0.18	0.21	10.14	ppb
Titanium	47-1	1992.39	1973.41	1962.72	1976.17	0.76	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	14.74	ppb
Vanadium	51-2	0.17	0.16	0.20	0.17	12.47	ppb
Yttrium	89-1				87		%
Yttrium	89-2				85		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:06:43	DataFile Name :	015ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	11.89	11.17	11.34	11.47	3.31	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	7.47	ppb
Zirconium	91-1	0.01	0.02	0.00	0.01	114.44	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:10:18	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	83258.99	83061.38	83679.70	83333.36	0.38	ppb
Antimony	121-1	20.32	19.99	19.90	20.07	1.10	ppb
Arsenic	75-2	19.11	19.75	19.51	19.46	1.68	ppb
Barium	135-1	21.27	20.59	20.49	20.78	2.04	ppb
Barium	137-1	21.21	20.86	21.21	21.10	0.95	ppb
Beryllium	9-1	20.35	19.95	19.85	20.05	1.34	ppb
Bismuth	209-1				90		%
Bismuth	209-2				87		%
Boron	10-1	68.02	70.20	73.77	70.66	4.11	ppb
Boron	11-1	72.56	71.56	71.01	71.71	1.09	ppb
Cadmium	111-1	19.32	18.63	19.02	18.99	1.84	ppb
Cadmium	106-1	13.72	12.10	12.09	12.64	7.39	ppb
Cadmium	108-1	27.79	29.52	30.58	29.30	4.79	ppb
Calcium	43-1	91027.54	90349.43	90023.64	90466.87	0.57	ppb
Calcium	44-1	90607.60	90878.53	90868.91	90785.01	0.17	ppb
Chromium	52-2	38.15	38.37	38.21	38.25	0.30	ppb
Cobalt	59-2	20.46	20.87	20.66	20.66	0.99	ppb
Copper	63-2	26.42	26.81	26.94	26.72	1.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				93		%
Indium	115-1				87		%
Indium	115-2				85		%
Iron	56-2	95160.34	95206.89	95174.53	95180.59	0.03	ppb
Iron	57-2	95230.60	94760.55	95830.15	95273.77	0.56	ppb
Krypton	83-1						cps
Lead	206-1	24.67	24.57	24.33	24.52	0.71	ppb
Lead	207-1	23.29	23.02	22.86	23.06	0.94	ppb
Lead	208-1	23.54	23.35	23.16	23.35	0.82	ppb
Lithium	6-1				93		%
Magnesium	24-2	92000.08	92371.33	92349.12	92240.17	0.23	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:10:18	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	26.61	26.30	26.37	26.42	0.61	ppb
Molybdenum	94-1	1337.84	1329.18	1313.56	1326.86	0.93	ppb
Molybdenum	95-1	1948.19	1944.27	1938.41	1943.62	0.25	ppb
Molybdenum	96-1	1862.20	1862.42	1855.19	1859.93	0.22	ppb
Molybdenum	97-1	1900.79	1890.17	1890.26	1893.74	0.32	ppb
Molybdenum	98-1	1936.44	1940.45	1936.74	1937.88	0.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	23.94	24.42	24.36	24.24	1.06	ppb
Phosphorus	31-2	92264.12	93220.91	93979.68	93154.91	0.92	ppb
Potassium	39-2	91170.48	91794.96	91276.20	91413.88	0.37	ppb
Rhodium	103-1				81		%
Rhodium	103-2				82		%
Scandium	45-1				87		%
Scandium	45-2				87		%
Selenium	77-2	20.14	17.88	19.05	19.02	5.93	ppb
Selenium	78-2	16.80	17.22	18.27	17.43	4.35	ppb
Selenium	82-1	19.44	19.65	19.20	19.43	1.16	ppb
Silicon	28-1	87.48	87.44	87.27	87.40	0.13	ppb
Silver	109-1	18.56	18.19	18.38	18.38	1.00	ppb
Silver	107-1	18.73	18.27	18.50	18.50	1.24	ppb
Sodium	23-2	90334.88	91727.27	90536.88	90866.34	0.83	ppb
Strontium	86-1	32.54	33.17	32.85	32.85	0.97	ppb
Strontium	88-1	32.91	32.58	32.53	32.68	0.63	ppb
Sulfur	34-1	84222.21	83862.46	83244.64	83776.44	0.59	ppb
Terbium	159-1				96		%
Terbium	159-2				94		%
Thallium	203-1	19.98	19.99	19.72	19.90	0.77	ppb
Thallium	205-1	20.00	19.97	19.87	19.95	0.35	ppb
Thorium	232-1	0.01	0.01	0.01	0.01	3.56	ppb
Tin	118-1	64.59	63.33	63.26	63.73	1.18	ppb
Titanium	47-1	2010.21	2023.60	2014.52	2016.11	0.34	ppb
Uranium	238-1	0.02	0.01	0.01	0.01	45.56	ppb
Vanadium	51-2	19.32	19.33	19.00	19.22	0.98	ppb
Yttrium	89-1				89		%
Yttrium	89-2				87		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:10:18	DataFile Name :	016ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	29.56	29.69	29.63	29.62	0.22	ppb
Zirconium	90-1	0.03	0.02	0.02	0.02	11.63	ppb
Zirconium	91-1	0.02	0.04	0.02	0.03	39.34	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV45	Instrumnet Name :	P7
Client Sample ID :	CCV45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:13:53	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49937.72	49637.33	48229.57	49268.21	1.85	ppb
Antimony	121-1	484.47	484.84	484.79	484.70	0.04	ppb
Arsenic	75-2	488.91	478.18	472.73	479.94	1.71	ppb
Barium	135-1	2494.68	2472.68	2487.30	2484.89	0.45	ppb
Barium	137-1	2527.01	2529.85	2546.86	2534.57	0.42	ppb
Beryllium	9-1	512.84	506.63	508.49	509.32	0.63	ppb
Bismuth	209-1				84		%
Bismuth	209-2				83		%
Boron	10-1	503.06	503.19	510.37	505.54	0.83	ppb
Boron	11-1	502.17	506.48	515.06	507.90	1.29	ppb
Cadmium	111-1	541.03	537.52	539.44	539.33	0.33	ppb
Cadmium	106-1	537.07	535.66	528.90	533.88	0.82	ppb
Cadmium	108-1	533.07	531.01	531.30	531.79	0.21	ppb
Calcium	43-1	236364.70	235524.63	233718.51	235202.61	0.57	ppb
Calcium	44-1	236551.80	236101.64	233918.76	235524.06	0.60	ppb
Chromium	52-2	500.20	504.27	488.25	497.57	1.67	ppb
Cobalt	59-2	492.51	497.66	480.83	490.33	1.76	ppb
Copper	63-2	975.89	987.91	953.92	972.57	1.77	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				97		%
Holmium	165-2				92		%
Indium	115-1				84		%
Indium	115-2				83		%
Iron	56-2	121637.19	122953.81	118748.80	121113.27	1.78	ppb
Iron	57-2	122464.22	123232.07	118644.18	121446.83	2.02	ppb
Krypton	83-1						cps
Lead	206-1	506.78	506.85	519.82	511.15	1.47	ppb
Lead	207-1	522.76	517.46	533.45	524.56	1.55	ppb
Lead	208-1	514.56	509.94	527.31	517.27	1.74	ppb
Lithium	6-1				91		%
Magnesium	24-2	237138.72	236692.22	229734.75	234521.90	1.77	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV45	Instrumnet Name :	P7
Client Sample ID :	CCV45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:13:53	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	987.79	995.68	959.78	981.09	1.92	ppb
Molybdenum	94-1	2548.85	2526.37	2538.91	2538.05	0.44	ppb
Molybdenum	95-1	2525.39	2525.65	2533.92	2528.32	0.19	ppb
Molybdenum	96-1	2519.28	2522.08	2538.08	2526.48	0.40	ppb
Molybdenum	97-1	2543.21	2549.97	2477.34	2523.51	1.59	ppb
Molybdenum	98-1	2527.13	2519.04	2531.64	2525.94	0.25	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	483.64	486.67	470.80	480.37	1.75	ppb
Phosphorus	31-2	9668.99	10146.11	9630.32	9815.14	2.93	ppb
Potassium	39-2	119704.24	118990.03	115730.93	118141.73	1.79	ppb
Rhodium	103-1				78		%
Rhodium	103-2				78		%
Scandium	45-1				86		%
Scandium	45-2				87		%
Selenium	77-2	503.52	504.84	498.27	502.21	0.69	ppb
Selenium	78-2	498.15	506.50	492.10	498.92	1.45	ppb
Selenium	82-1	491.46	489.87	494.45	491.93	0.47	ppb
Silicon	28-1	611.24	623.72	637.32	624.09	2.09	ppb
Silver	109-1	501.76	495.10	494.59	497.15	0.80	ppb
Silver	107-1	500.96	496.40	498.06	498.47	0.46	ppb
Sodium	23-2	234233.42	233838.36	227756.42	231942.74	1.57	ppb
Strontium	86-1	502.88	500.40	505.07	502.78	0.46	ppb
Strontium	88-1	500.31	501.57	505.10	502.33	0.49	ppb
Sulfur	34-1	9661.30	9587.73	9534.54	9594.52	0.66	ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	514.22	509.26	521.35	514.94	1.18	ppb
Thallium	205-1	517.75	517.96	534.36	523.36	1.82	ppb
Thorium	232-1	522.48	536.12	541.87	533.49	1.87	ppb
Tin	118-1	496.04	487.19	489.58	490.94	0.93	ppb
Titanium	47-1	2556.87	2511.94	2525.16	2531.32	0.91	ppb
Uranium	238-1	519.45	529.43	544.78	531.22	2.40	ppb
Vanadium	51-2	506.65	510.95	490.17	502.59	2.18	ppb
Yttrium	89-1				88		%
Yttrium	89-2				86		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV45	Instrumnet Name :	P7
Client Sample ID :	CCV45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:13:53	DataFile Name :	017CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	954.60	960.96	929.46	948.34	1.76	ppb
Zirconium	90-1	510.57	510.81	509.75	510.38	0.11	ppb
Zirconium	91-1	516.41	509.57	513.54	513.17	0.67	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB45	Instrumnet Name :	P7
Client Sample ID :	CCB45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:18:43	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.23	4.96	3.87	4.35	12.77	ppb
Antimony	121-1	0.14	0.10	0.13	0.12	14.32	ppb
Arsenic	75-2	0.05	0.05	0.03	0.04	23.64	ppb
Barium	135-1	0.09	0.11	0.16	0.12	31.46	ppb
Barium	137-1	0.10	0.14	0.14	0.13	21.80	ppb
Beryllium	9-1	0.06	0.05	0.06	0.05	3.52	ppb
Bismuth	209-1				98		%
Bismuth	209-2				94		%
Boron	10-1	6.13	6.26	6.27	6.22	1.31	ppb
Boron	11-1	6.94	6.32	6.08	6.45	6.86	ppb
Cadmium	111-1	0.09	0.02	0.07	0.06	55.04	ppb
Cadmium	106-1	0.68	-0.17	0.30	0.27	156.95	ppb
Cadmium	108-1	0.14	0.03	0.06	0.08	75.85	ppb
Calcium	43-1	14.48	14.60	15.28	14.79	2.93	ppb
Calcium	44-1	10.98	12.77	13.80	12.51	11.37	ppb
Chromium	52-2	0.07	0.05	0.06	0.06	16.27	ppb
Cobalt	59-2	0.04	0.03	0.04	0.04	21.25	ppb
Copper	63-2	0.09	0.09	0.09	0.09	1.25	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				92		%
Indium	115-1				92		%
Indium	115-2				91		%
Iron	56-2	10.43	11.09	10.70	10.74	3.09	ppb
Iron	57-2	10.22	10.91	10.37	10.50	3.44	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.06	0.06	0.05	25.14	ppb
Lead	207-1	0.04	0.04	0.05	0.05	13.62	ppb
Lead	208-1	0.05	0.05	0.06	0.05	9.97	ppb
Lithium	6-1				98		%
Magnesium	24-2	20.28	19.97	19.12	19.79	3.03	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB45	Instrumnet Name :	P7
Client Sample ID :	CCB45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:18:43	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.08	0.08	0.05	0.07	30.98	ppb
Molybdenum	94-1	0.33	0.34	0.39	0.35	8.45	ppb
Molybdenum	95-1	0.38	0.32	0.32	0.34	9.77	ppb
Molybdenum	96-1	0.35	0.34	0.33	0.34	3.90	ppb
Molybdenum	97-1	0.42	0.38	0.33	0.38	12.20	ppb
Molybdenum	98-1	0.38	0.32	0.34	0.35	8.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.05	0.01	0.02	0.03	84.24	ppb
Phosphorus	31-2	-28.27	-11.45	-19.36	-19.69		ppb
Potassium	39-2	9.10	12.35	12.49	11.31	16.94	ppb
Rhodium	103-1				90		%
Rhodium	103-2				91		%
Scandium	45-1				91		%
Scandium	45-2				91		%
Selenium	77-2	0.34	-0.14	0.33	0.18	156.74	ppb
Selenium	78-2	-0.43	-0.05	-0.78	-0.42		ppb
Selenium	82-1	0.12	-0.43	-0.12	-0.15		ppb
Silicon	28-1	-0.42	-0.92	-0.77	-0.70		ppb
Silver	109-1	0.04	0.05	0.07	0.05	26.14	ppb
Silver	107-1	0.05	0.05	0.05	0.05	9.37	ppb
Sodium	23-2	45.06	44.45	43.35	44.29	1.95	ppb
Strontium	86-1	0.08	0.08	0.08	0.08	2.95	ppb
Strontium	88-1	0.02	0.03	0.03	0.03	22.55	ppb
Sulfur	34-1	-209.75	-257.49	-262.95	-243.40		ppb
Terbium	159-1				96		%
Terbium	159-2				94		%
Thallium	203-1	0.11	0.10	0.09	0.10	6.07	ppb
Thallium	205-1	0.08	0.10	0.09	0.09	9.92	ppb
Thorium	232-1	0.09	0.08	0.08	0.08	8.40	ppb
Tin	118-1	0.08	0.07	0.07	0.07	3.51	ppb
Titanium	47-1	0.19	0.24	0.16	0.20	20.40	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	21.41	ppb
Vanadium	51-2	0.05	0.04	0.06	0.05	11.41	ppb
Yttrium	89-1				92		%
Yttrium	89-2				90		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB45	Instrumnet Name :	P7
Client Sample ID :	CCB45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:18:43	DataFile Name :	018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	-0.06	0.13	0.16	0.08	157.03	ppb
Zirconium	90-1	0.04	0.06	0.05	0.05	19.53	ppb
Zirconium	91-1	0.02	0.08	0.04	0.05	58.49	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:22:17	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.18	19.37	18.78	18.78	3.16	ppb
Antimony	121-1	1.77	1.92	2.07	1.92	7.60	ppb
Arsenic	75-2	0.81	0.91	1.07	0.93	13.76	ppb
Barium	135-1	9.57	9.57	9.56	9.57	0.10	ppb
Barium	137-1	9.64	9.84	9.80	9.76	1.10	ppb
Beryllium	9-1	1.07	0.96	1.09	1.04	6.65	ppb
Bismuth	209-1				97		%
Bismuth	209-2				94		%
Boron	10-1	27.14	27.09	27.28	27.17	0.35	ppb
Boron	11-1	26.92	27.87	28.03	27.60	2.18	ppb
Cadmium	111-1	1.13	0.97	0.96	1.02	9.41	ppb
Cadmium	106-1	1.63	0.62	0.98	1.08	47.25	ppb
Cadmium	108-1	1.06	1.35	0.85	1.09	23.09	ppb
Calcium	43-1	426.25	429.67	453.68	436.54	3.42	ppb
Calcium	44-1	441.24	434.30	441.96	439.17	0.96	ppb
Chromium	52-2	1.91	1.99	1.89	1.93	2.64	ppb
Cobalt	59-2	1.04	1.01	0.90	0.99	7.27	ppb
Copper	63-2	2.10	1.97	2.09	2.05	3.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				93		%
Indium	115-1				93		%
Indium	115-2				91		%
Iron	56-2	53.87	53.06	52.79	53.24	1.06	ppb
Iron	57-2	54.71	57.30	52.93	54.98	4.00	ppb
Krypton	83-1						cps
Lead	206-1	0.90	0.92	0.88	0.90	2.06	ppb
Lead	207-1	0.86	0.88	0.91	0.88	2.54	ppb
Lead	208-1	0.89	0.91	0.91	0.90	1.13	ppb
Lithium	6-1				99		%
Magnesium	24-2	485.87	478.96	480.25	481.69	0.76	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:22:17	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.02	1.02	1.02	1.02	0.13	ppb
Molybdenum	94-1	5.12	5.03	4.98	5.04	1.40	ppb
Molybdenum	95-1	4.98	4.94	4.96	4.96	0.36	ppb
Molybdenum	96-1	4.85	4.69	4.84	4.80	1.98	ppb
Molybdenum	97-1	5.17	4.74	5.24	5.05	5.33	ppb
Molybdenum	98-1	4.93	4.80	4.91	4.88	1.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.02	1.02	1.03	1.09	ppb
Phosphorus	31-2	24.05	22.55	23.88	23.49	3.49	ppb
Potassium	39-2	458.18	450.62	446.03	451.61	1.36	ppb
Rhodium	103-1				91		%
Rhodium	103-2				92		%
Scandium	45-1				93		%
Scandium	45-2				92		%
Selenium	77-2	5.61	4.59	5.02	5.08	10.08	ppb
Selenium	78-2	5.20	6.27	5.73	5.73	9.39	ppb
Selenium	82-1	4.96	5.07	5.43	5.15	4.69	ppb
Silicon	28-1	7.44	7.90	7.53	7.63	3.16	ppb
Silver	109-1	1.06	1.10	1.09	1.08	2.09	ppb
Silver	107-1	1.16	1.14	1.13	1.14	1.73	ppb
Sodium	23-2	483.35	465.37	471.38	473.37	1.93	ppb
Strontium	86-1	0.88	0.94	0.99	0.94	5.47	ppb
Strontium	88-1	0.91	0.89	0.88	0.89	1.92	ppb
Sulfur	34-1	44.78	-19.07	81.20	35.63	142.43	ppb
Terbium	159-1				97		%
Terbium	159-2				94		%
Thallium	203-1	0.94	0.95	0.88	0.92	4.32	ppb
Thallium	205-1	0.96	0.89	0.92	0.92	4.08	ppb
Thorium	232-1	0.83	0.80	0.81	0.81	1.85	ppb
Tin	118-1	4.87	4.89	4.79	4.85	1.09	ppb
Titanium	47-1	4.86	5.21	4.75	4.94	4.82	ppb
Uranium	238-1	0.80	0.78	0.81	0.79	1.61	ppb
Vanadium	51-2	5.31	4.96	5.03	5.10	3.68	ppb
Yttrium	89-1				93		%
Yttrium	89-2				92		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:22:17	DataFile Name :	019LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	2.05	1.95	1.81	1.94	6.13	ppb
Zirconium	90-1	0.95	0.92	0.99	0.96	3.95	ppb
Zirconium	91-1	0.90	1.01	0.97	0.96	5.87	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-B	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:25:51	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	45100.54	44858.86	44763.15	44907.52	0.39	ppb
Antimony	121-1	0.48	0.44	0.46	0.46	4.34	ppb
Arsenic	75-2	27.65	26.43	27.79	27.29	2.73	ppb
Barium	135-1	362.40	356.07	349.61	356.03	1.80	ppb
Barium	137-1	362.67	357.17	352.57	357.47	1.41	ppb
Beryllium	9-1	4.85	4.60	4.63	4.69	2.89	ppb
Bismuth	209-1				90		%
Bismuth	209-2				88		%
Boron	10-1	26.15	26.01	25.21	25.79	1.97	ppb
Boron	11-1	25.33	26.35	25.18	25.62	2.48	ppb
Cadmium	111-1	2.49	2.44	2.37	2.43	2.61	ppb
Cadmium	106-1	14.11	12.81	12.14	13.02	7.70	ppb
Cadmium	108-1	7.01	6.69	6.70	6.80	2.69	ppb
Calcium	43-1	81483.06	80506.83	79546.06	80511.98	1.20	ppb
Calcium	44-1	81719.96	80952.16	79403.87	80691.99	1.46	ppb
Chromium	52-2	227.07	225.53	227.12	226.57	0.40	ppb
Cobalt	59-2	72.86	73.54	72.98	73.13	0.50	ppb
Copper	63-2	151.42	150.59	150.58	150.86	0.32	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				92		%
Indium	115-1				88		%
Indium	115-2				86		%
Iron	56-2	108703.86	107148.36	107825.45	107892.56	0.72	ppb
Iron	57-2	108924.62	106634.08	106778.25	107445.65	1.19	ppb
Krypton	83-1						cps
Lead	206-1	202.46	202.08	196.31	200.28	1.72	ppb
Lead	207-1	192.63	190.94	185.24	189.60	2.04	ppb
Lead	208-1	194.22	193.67	187.53	191.81	1.94	ppb
Lithium	6-1				98		%
Magnesium	24-2	28761.45	28181.71	28212.84	28385.33	1.15	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-B	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:25:51	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1558.95	1558.55	1570.95	1562.82	0.45	ppb
Molybdenum	94-1	52.34	53.02	52.07	52.48	0.93	ppb
Molybdenum	95-1	3.41	3.26	3.21	3.29	3.17	ppb
Molybdenum	96-1	10.29	10.47	10.04	10.27	2.11	ppb
Molybdenum	97-1	3.53	3.28	3.29	3.37	4.15	ppb
Molybdenum	98-1	3.36	3.32	3.21	3.29	2.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	608.56	605.24	606.60	606.80	0.28	ppb
Phosphorus	31-2	2425.96	2464.02	2447.91	2445.96	0.78	ppb
Potassium	39-2	8682.80	8585.15	8608.98	8625.64	0.59	ppb
Rhodium	103-1				83		%
Rhodium	103-2				84		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	77-2	38.76	37.03	41.77	39.19	6.12	ppb
Selenium	78-2	6.96	7.89	8.75	7.87	11.41	ppb
Selenium	82-1	1.47	1.65	1.59	1.57	5.67	ppb
Silicon	28-1	4589.96	4551.73	4603.19	4581.63	0.58	ppb
Silver	109-1	0.60	0.60	0.57	0.59	2.74	ppb
Silver	107-1	0.64	0.64	0.65	0.64	0.91	ppb
Sodium	23-2	881.10	858.25	865.49	868.28	1.34	ppb
Strontium	86-1	164.91	165.53	160.49	163.65	1.68	ppb
Strontium	88-1	163.86	161.32	157.96	161.05	1.84	ppb
Sulfur	34-1	5603.76	5311.70	5161.34	5358.94	4.20	ppb
Terbium	159-1				95		%
Terbium	159-2				93		%
Thallium	203-1	1.44	1.49	1.46	1.46	1.57	ppb
Thallium	205-1	1.51	1.48	1.45	1.48	2.17	ppb
Thorium	232-1	24.07	23.75	23.01	23.61	2.29	ppb
Tin	118-1	3.84	3.92	3.76	3.84	2.13	ppb
Titanium	47-1	2007.17	1965.08	1918.37	1963.54	2.26	ppb
Uranium	238-1	6.81	6.76	6.49	6.69	2.52	ppb
Vanadium	51-2	155.03	153.07	154.77	154.29	0.69	ppb
Yttrium	89-1				108		%
Yttrium	89-2				105		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-B	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:25:51	DataFile Name :	020SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	1006.03	1005.45	1002.53	1004.67	0.19	ppb
Zirconium	90-1	32.81	32.60	32.01	32.47	1.28	ppb
Zirconium	91-1	33.56	33.90	33.07	33.51	1.25	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04DUP Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BDUI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:29:27 DataFile Name : 021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	44268.49	45003.21	44661.38	44644.36	0.82	ppb
Antimony	121-1	0.29	0.32	0.35	0.32	9.14	ppb
Arsenic	75-2	27.01	27.72	26.89	27.21	1.65	ppb
Barium	135-1	367.98	364.68	369.47	367.37	0.67	ppb
Barium	137-1	370.46	365.05	371.24	368.92	0.91	ppb
Beryllium	9-1	4.06	4.00	4.02	4.03	0.68	ppb
Bismuth	209-1				91		%
Bismuth	209-2				89		%
Boron	10-1	24.41	25.78	25.94	25.38	3.30	ppb
Boron	11-1	25.54	25.83	25.52	25.63	0.66	ppb
Cadmium	111-1	1.91	1.71	2.00	1.88	8.10	ppb
Cadmium	106-1	11.53	10.72	13.45	11.90	11.79	ppb
Cadmium	108-1	6.41	6.11	6.35	6.29	2.52	ppb
Calcium	43-1	82371.67	79534.87	81945.18	81283.91	1.88	ppb
Calcium	44-1	82328.15	80163.50	82432.10	81641.25	1.57	ppb
Chromium	52-2	226.94	229.55	227.68	228.06	0.59	ppb
Cobalt	59-2	73.19	74.33	72.71	73.41	1.13	ppb
Copper	63-2	154.20	156.48	154.90	155.20	0.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				93		%
Indium	115-1				88		%
Indium	115-2				87		%
Iron	56-2	108816.20	108940.04	108103.46	108619.90	0.42	ppb
Iron	57-2	108242.42	108525.46	107298.72	108022.20	0.59	ppb
Krypton	83-1						cps
Lead	206-1	209.14	204.01	208.28	207.14	1.33	ppb
Lead	207-1	197.63	192.30	197.67	195.87	1.58	ppb
Lead	208-1	200.29	194.29	199.31	197.96	1.63	ppb
Lithium	6-1				98		%
Magnesium	24-2	28270.76	28712.42	28201.71	28394.97	0.98	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04DUP Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BDUI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:29:27 DataFile Name : 021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1552.80	1570.24	1558.87	1560.64	0.57	ppb
Molybdenum	94-1	54.29	52.58	54.06	53.64	1.73	ppb
Molybdenum	95-1	3.87	3.70	3.73	3.77	2.45	ppb
Molybdenum	96-1	11.31	10.51	10.91	10.91	3.66	ppb
Molybdenum	97-1	3.92	3.73	3.79	3.81	2.58	ppb
Molybdenum	98-1	3.71	3.52	3.60	3.61	2.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	607.70	618.11	605.32	610.37	1.11	ppb
Phosphorus	31-2	2166.09	2533.65	2378.27	2359.34	7.82	ppb
Potassium	39-2	8556.53	8720.22	8553.24	8610.00	1.11	ppb
Rhodium	103-1				84		%
Rhodium	103-2				85		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	77-2	35.13	37.35	38.04	36.84	4.12	ppb
Selenium	78-2	8.08	7.10	8.92	8.03	11.30	ppb
Selenium	82-1	1.83	1.36	1.64	1.61	14.55	ppb
Silicon	28-1	4638.53	4500.88	4703.87	4614.42	2.25	ppb
Silver	109-1	0.49	0.45	0.49	0.48	5.26	ppb
Silver	107-1	0.54	0.49	0.49	0.51	5.49	ppb
Sodium	23-2	761.41	769.85	768.22	766.49	0.58	ppb
Strontium	86-1	167.57	162.57	165.45	165.20	1.52	ppb
Strontium	88-1	165.18	160.92	162.31	162.80	1.33	ppb
Sulfur	34-1	5104.26	4831.47	5204.92	5046.88	3.83	ppb
Terbium	159-1				95		%
Terbium	159-2				94		%
Thallium	203-1	1.00	0.95	1.02	0.99	3.58	ppb
Thallium	205-1	0.99	0.97	0.96	0.97	1.63	ppb
Thorium	232-1	24.99	24.11	24.60	24.57	1.80	ppb
Tin	118-1	4.83	4.75	4.97	4.85	2.28	ppb
Titanium	47-1	2000.96	1952.73	1990.62	1981.44	1.28	ppb
Uranium	238-1	6.49	6.24	6.51	6.41	2.35	ppb
Vanadium	51-2	152.84	156.08	154.85	154.59	1.06	ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04DUP	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BDUI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:29:27	DataFile Name :	021SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	1010.08	1020.94	1005.69	1012.24	0.78	ppb
Zirconium	90-1	33.36	32.95	33.12	33.14	0.62	ppb
Zirconium	91-1	34.60	33.90	34.28	34.26	1.02	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04LX5	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-04 14:33:03	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9802.23	9737.21	9678.61	9739.35	0.63	ppb
Antimony	121-1	0.10	0.08	0.07	0.08	20.71	ppb
Arsenic	75-2	6.58	6.61	6.63	6.61	0.36	ppb
Barium	135-1	73.63	73.64	73.72	73.66	0.06	ppb
Barium	137-1	73.57	73.51	73.66	73.58	0.10	ppb
Beryllium	9-1	0.97	0.92	1.00	0.96	4.38	ppb
Bismuth	209-1				98		%
Bismuth	209-2				94		%
Boron	10-1	7.06	6.81	7.03	6.96	1.95	ppb
Boron	11-1	7.14	6.66	6.95	6.92	3.50	ppb
Cadmium	111-1	0.47	0.31	0.40	0.39	20.23	ppb
Cadmium	106-1	2.56	0.93	2.12	1.87	45.18	ppb
Cadmium	108-1	1.31	1.36	1.63	1.43	12.26	ppb
Calcium	43-1	17529.19	17261.24	17239.13	17343.19	0.93	ppb
Calcium	44-1	17480.51	17407.01	17330.09	17405.87	0.43	ppb
Chromium	52-2	49.13	49.08	49.20	49.14	0.13	ppb
Cobalt	59-2	16.23	15.89	16.04	16.05	1.05	ppb
Copper	63-2	33.66	33.26	33.47	33.46	0.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				94		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	56-2	23763.89	23581.94	23447.15	23597.66	0.67	ppb
Iron	57-2	23517.50	23508.66	23460.30	23495.49	0.13	ppb
Krypton	83-1						cps
Lead	206-1	40.37	39.74	39.49	39.87	1.14	ppb
Lead	207-1	37.74	37.70	37.17	37.54	0.86	ppb
Lead	208-1	38.77	38.11	37.75	38.21	1.35	ppb
Lithium	6-1				101		%
Magnesium	24-2	6142.01	6117.77	6149.09	6136.29	0.27	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04LX5	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-04 14:33:03	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	341.76	341.36	339.98	341.03	0.27	ppb
Molybdenum	94-1	12.06	12.06	12.07	12.06	0.03	ppb
Molybdenum	95-1	0.81	0.81	0.80	0.81	0.78	ppb
Molybdenum	96-1	2.50	2.35	2.47	2.44	3.41	ppb
Molybdenum	97-1	0.82	0.84	0.74	0.80	6.80	ppb
Molybdenum	98-1	0.82	0.83	0.85	0.83	1.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	135.33	135.26	136.80	135.80	0.64	ppb
Phosphorus	31-2	550.13	464.98	510.90	508.67	8.38	ppb
Potassium	39-2	1868.36	1876.57	1859.92	1868.29	0.45	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				97		%
Scandium	45-2				95		%
Selenium	77-2	11.68	8.86	6.54	9.03	28.49	ppb
Selenium	78-2	1.10	1.59	2.29	1.66	35.80	ppb
Selenium	82-1	0.73	-0.08	0.23	0.29	137.67	ppb
Silicon	28-1	984.92	959.32	962.13	968.79	1.45	ppb
Silver	109-1	0.10	0.09	0.08	0.09	14.35	ppb
Silver	107-1	0.12	0.10	0.11	0.11	6.91	ppb
Sodium	23-2	181.85	182.05	186.24	183.38	1.35	ppb
Strontium	86-1	38.82	38.23	38.29	38.44	0.85	ppb
Strontium	88-1	38.38	38.12	37.88	38.13	0.66	ppb
Sulfur	34-1	757.64	600.24	596.28	651.39	14.13	ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	0.26	0.25	0.25	0.25	3.46	ppb
Thallium	205-1	0.25	0.26	0.25	0.25	0.92	ppb
Thorium	232-1	4.68	4.60	4.55	4.61	1.48	ppb
Tin	118-1	0.72	0.77	0.73	0.74	3.66	ppb
Titanium	47-1	426.39	418.70	417.11	420.73	1.18	ppb
Uranium	238-1	1.27	1.24	1.25	1.26	1.10	ppb
Vanadium	51-2	33.55	32.56	33.40	33.17	1.60	ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04LX5	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-04 14:33:03	DataFile Name :	022SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	230.88	234.84	233.66	233.12	0.87	ppb
Zirconium	90-1	7.49	7.48	7.61	7.53	0.98	ppb
Zirconium	91-1	7.66	7.80	7.67	7.71	0.97	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04MS Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BMS Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:36:38 DataFile Name : 023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53266.09	52539.16	52843.36	52882.87	0.69	ppb
Antimony	121-1	440.77	434.20	432.19	435.72	1.03	ppb
Arsenic	75-2	380.41	380.82	376.89	379.38	0.57	ppb
Barium	135-1	2729.85	2675.06	2694.87	2699.93	1.03	ppb
Barium	137-1	2779.36	2787.70	2769.31	2778.79	0.33	ppb
Beryllium	9-1	452.65	453.56	453.97	453.39	0.15	ppb
Bismuth	209-1				87		%
Bismuth	209-2				84		%
Boron	10-1	477.17	475.46	482.89	478.50	0.81	ppb
Boron	11-1	479.08	480.46	481.74	480.43	0.28	ppb
Cadmium	111-1	446.28	444.75	441.46	444.17	0.55	ppb
Cadmium	106-1	466.66	454.23	452.48	457.79	1.69	ppb
Cadmium	108-1	466.17	447.23	447.00	453.47	2.43	ppb
Calcium	43-1	128227.13	126072.53	126763.28	127020.98	0.87	ppb
Calcium	44-1	127820.21	127010.78	127281.33	127370.77	0.32	ppb
Chromium	52-2	690.41	681.94	688.36	686.90	0.64	ppb
Cobalt	59-2	503.04	501.45	507.75	504.08	0.65	ppb
Copper	63-2	1125.99	1125.94	1131.52	1127.82	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				90		%
Indium	115-1				84		%
Indium	115-2				81		%
Iron	56-2	136786.96	135071.04	135767.52	135875.17	0.64	ppb
Iron	57-2	136118.34	134418.65	135487.34	135341.44	0.63	ppb
Krypton	83-1						cps
Lead	206-1	781.99	771.51	781.23	778.25	0.75	ppb
Lead	207-1	771.84	758.83	758.09	762.92	1.01	ppb
Lead	208-1	779.38	773.07	774.69	775.71	0.42	ppb
Lithium	6-1				94		%
Magnesium	24-2	71021.59	70215.58	70492.83	70576.67	0.58	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04MS Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BMS Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:36:38 DataFile Name : 023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2363.68	2352.15	2366.67	2360.84	0.32	ppb
Molybdenum	94-1	2012.14	1983.90	2007.20	2001.08	0.75	ppb
Molybdenum	95-1	1934.49	1923.23	1937.70	1931.81	0.39	ppb
Molybdenum	96-1	1936.09	1929.29	1936.84	1934.07	0.22	ppb
Molybdenum	97-1	1890.10	1878.76	1870.42	1879.76	0.53	ppb
Molybdenum	98-1	1925.26	1918.46	1928.21	1923.97	0.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	994.71	988.90	995.17	992.92	0.35	ppb
Phosphorus	31-2	2341.98	2446.45	2388.08	2392.17	2.19	ppb
Potassium	39-2	29466.33	28934.69	29292.61	29231.21	0.93	ppb
Rhodium	103-1				80		%
Rhodium	103-2				79		%
Scandium	45-1				92		%
Scandium	45-2				91		%
Selenium	77-2	395.59	374.89	368.85	379.78	3.69	ppb
Selenium	78-2	360.27	354.59	356.86	357.24	0.80	ppb
Selenium	82-1	342.86	342.53	340.43	341.94	0.39	ppb
Silicon	28-1	4694.77	4521.84	4567.85	4594.82	1.95	ppb
Silver	109-1	452.32	445.67	447.13	448.37	0.78	ppb
Silver	107-1	455.32	447.80	447.81	450.31	0.96	ppb
Sodium	23-2	42083.76	41623.64	41696.79	41801.39	0.59	ppb
Strontium	86-1	549.43	544.99	541.39	545.27	0.74	ppb
Strontium	88-1	547.99	550.94	550.31	549.75	0.28	ppb
Sulfur	34-1	5380.27	5186.31	5192.71	5253.09	2.10	ppb
Terbium	159-1				94		%
Terbium	159-2				91		%
Thallium	203-1	457.75	451.02	449.85	452.87	0.94	ppb
Thallium	205-1	466.21	463.15	465.97	465.11	0.37	ppb
Thorium	232-1	24.98	24.57	24.52	24.69	1.03	ppb
Tin	118-1	487.38	478.73	478.06	481.39	1.08	ppb
Titanium	47-1	4043.15	3957.69	3975.11	3991.98	1.13	ppb
Uranium	238-1	455.18	455.87	461.10	457.38	0.71	ppb
Vanadium	51-2	584.04	573.93	579.84	579.27	0.88	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04MS	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:36:38	DataFile Name :	023SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	2091.19	2079.97	2086.97	2086.04	0.27	ppb
Zirconium	90-1	430.37	428.23	429.43	429.34	0.25	ppb
Zirconium	91-1	432.89	426.41	424.69	428.00	1.01	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04MSD Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BMSI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:40:14 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52955.85	52798.05	51538.36	52430.75	1.48	ppb
Antimony	121-1	434.37	429.29	430.91	431.52	0.60	ppb
Arsenic	75-2	381.76	382.68	380.94	381.80	0.23	ppb
Barium	135-1	2672.37	2622.33	2661.23	2651.98	0.99	ppb
Barium	137-1	2738.77	2722.78	2717.22	2726.26	0.41	ppb
Beryllium	9-1	453.44	449.54	448.97	450.65	0.54	ppb
Bismuth	209-1				88		%
Bismuth	209-2				84		%
Boron	10-1	473.69	485.21	485.42	481.44	1.39	ppb
Boron	11-1	475.84	485.88	483.38	481.70	1.09	ppb
Cadmium	111-1	445.65	440.86	437.99	441.50	0.88	ppb
Cadmium	106-1	459.45	456.71	448.05	454.74	1.31	ppb
Cadmium	108-1	446.71	445.58	446.70	446.33	0.15	ppb
Calcium	43-1	125356.48	124974.21	124523.46	124951.38	0.33	ppb
Calcium	44-1	125234.13	125926.50	125425.48	125528.70	0.28	ppb
Chromium	52-2	684.82	676.07	672.57	677.82	0.93	ppb
Cobalt	59-2	499.28	501.62	498.71	499.87	0.31	ppb
Copper	63-2	1098.54	1100.64	1097.80	1098.99	0.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				90		%
Indium	115-1				84		%
Indium	115-2				81		%
Iron	56-2	134106.94	134046.45	133735.26	133962.88	0.15	ppb
Iron	57-2	135580.23	134192.93	133094.95	134289.37	0.93	ppb
Krypton	83-1						cps
Lead	206-1	756.49	758.32	747.44	754.08	0.77	ppb
Lead	207-1	740.05	739.43	732.51	737.33	0.57	ppb
Lead	208-1	749.61	751.39	747.78	749.59	0.24	ppb
Lithium	6-1				93		%
Magnesium	24-2	70418.19	70585.20	69206.77	70070.06	1.07	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04MSD Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BMSI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:40:14 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2368.04	2365.83	2371.09	2368.32	0.11	ppb
Molybdenum	94-1	2004.17	2002.60	1984.06	1996.94	0.56	ppb
Molybdenum	95-1	1925.56	1924.40	1913.94	1921.30	0.33	ppb
Molybdenum	96-1	1932.31	1934.42	1913.62	1926.79	0.59	ppb
Molybdenum	97-1	1888.76	1873.45	1877.68	1879.96	0.42	ppb
Molybdenum	98-1	1928.35	1915.02	1922.94	1922.10	0.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	985.19	987.56	985.34	986.03	0.13	ppb
Phosphorus	31-2	2458.10	2271.14	2321.53	2350.26	4.12	ppb
Potassium	39-2	29343.51	29237.92	28888.41	29156.61	0.82	ppb
Rhodium	103-1				79		%
Rhodium	103-2				78		%
Scandium	45-1				91		%
Scandium	45-2				90		%
Selenium	77-2	403.22	391.57	391.07	395.29	1.74	ppb
Selenium	78-2	353.17	364.32	349.37	355.62	2.18	ppb
Selenium	82-1	347.16	348.12	344.26	346.51	0.58	ppb
Silicon	28-1	4582.92	4565.19	4544.37	4564.16	0.42	ppb
Silver	109-1	446.01	440.75	440.20	442.32	0.73	ppb
Silver	107-1	448.28	444.57	440.22	444.36	0.91	ppb
Sodium	23-2	41748.99	41709.25	41347.11	41601.78	0.53	ppb
Strontium	86-1	554.20	542.91	546.55	547.88	1.05	ppb
Strontium	88-1	551.31	547.94	549.41	549.55	0.31	ppb
Sulfur	34-1	5287.25	5230.27	5070.64	5196.05	2.16	ppb
Terbium	159-1				94		%
Terbium	159-2				90		%
Thallium	203-1	453.47	450.04	447.79	450.43	0.64	ppb
Thallium	205-1	460.20	467.28	460.91	462.80	0.84	ppb
Thorium	232-1	24.79	24.55	24.43	24.59	0.74	ppb
Tin	118-1	476.76	463.84	470.10	470.23	1.37	ppb
Titanium	47-1	4026.04	3957.13	3930.80	3971.32	1.24	ppb
Uranium	238-1	454.67	455.98	453.47	454.71	0.28	ppb
Vanadium	51-2	578.55	576.58	572.53	575.89	0.53	ppb
Yttrium	89-1				104		%
Yttrium	89-2				100		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04MSD	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BMSI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:40:14	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	2020.33	2023.84	2016.53	2020.24	0.18	ppb
Zirconium	90-1	428.99	428.28	425.52	427.59	0.43	ppb
Zirconium	91-1	430.68	428.35	424.81	427.95	0.69	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04A	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:43:50	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53036.05	53107.49	52566.45	52903.33	0.56	ppb
Antimony	121-1	433.33	432.29	406.21	423.94	3.62	ppb
Arsenic	75-2	378.97	380.78	381.04	380.26	0.30	ppb
Barium	135-1	2701.21	2703.28	2537.55	2647.34	3.59	ppb
Barium	137-1	2762.91	2780.96	2613.27	2719.04	3.39	ppb
Beryllium	9-1	452.38	447.02	425.92	441.77	3.17	ppb
Bismuth	209-1				90		%
Bismuth	209-2				84		%
Boron	10-1	482.37	476.18	474.88	477.81	0.84	ppb
Boron	11-1	483.04	483.88	477.77	481.57	0.69	ppb
Cadmium	111-1	443.54	439.34	416.01	432.96	3.43	ppb
Cadmium	106-1	449.40	453.11	423.93	442.15	3.59	ppb
Cadmium	108-1	445.17	453.00	422.67	440.28	3.58	ppb
Calcium	43-1	127867.64	128599.50	121448.48	125971.87	3.12	ppb
Calcium	44-1	128729.27	129010.80	122357.33	126699.13	2.97	ppb
Chromium	52-2	692.48	696.25	692.02	693.58	0.33	ppb
Cobalt	59-2	499.72	506.49	501.23	502.48	0.71	ppb
Copper	63-2	1141.75	1149.40	1131.49	1140.88	0.79	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				98		%
Holmium	165-2				90		%
Indium	115-1				86		%
Indium	115-2				81		%
Iron	56-2	138392.84	138583.23	137519.74	138165.27	0.41	ppb
Iron	57-2	138688.24	138801.71	137117.11	138202.35	0.68	ppb
Krypton	83-1						cps
Lead	206-1	799.51	792.67	748.85	780.34	3.52	ppb
Lead	207-1	777.41	773.70	737.88	763.00	2.86	ppb
Lead	208-1	793.31	790.35	751.03	778.23	3.03	ppb
Lithium	6-1				95		%
Magnesium	24-2	70956.64	70774.44	69643.32	70458.13	1.01	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04A	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:43:50	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2356.70	2373.18	2349.49	2359.79	0.51	ppb
Molybdenum	94-1	1975.83	1983.24	1884.56	1947.87	2.82	ppb
Molybdenum	95-1	1917.63	1930.63	1839.46	1895.91	2.60	ppb
Molybdenum	96-1	1912.32	1930.22	1833.22	1891.92	2.73	ppb
Molybdenum	97-1	1860.64	1862.18	1775.07	1832.63	2.72	ppb
Molybdenum	98-1	1908.00	1910.34	1822.72	1880.36	2.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	982.29	994.93	972.15	983.12	1.16	ppb
Phosphorus	31-2	2528.21	2432.57	2484.25	2481.68	1.93	ppb
Potassium	39-2	29435.47	29304.94	29056.85	29265.75	0.66	ppb
Rhodium	103-1				80		%
Rhodium	103-2				78		%
Scandium	45-1				93		%
Scandium	45-2				90		%
Selenium	77-2	383.42	392.20	403.73	393.11	2.59	ppb
Selenium	78-2	348.54	356.93	357.95	354.47	1.46	ppb
Selenium	82-1	341.73	339.36	324.57	335.22	2.77	ppb
Silicon	28-1	4535.70	4558.50	4292.74	4462.31	3.30	ppb
Silver	109-1	442.22	443.30	417.49	434.34	3.36	ppb
Silver	107-1	442.91	440.76	416.41	433.36	3.40	ppb
Sodium	23-2	41785.90	41829.07	41189.16	41601.38	0.86	ppb
Strontium	86-1	549.41	547.64	523.36	540.14	2.70	ppb
Strontium	88-1	554.97	550.93	527.62	544.50	2.71	ppb
Sulfur	34-1	5326.70	5343.33	4754.07	5141.37	6.53	ppb
Terbium	159-1				96		%
Terbium	159-2				90		%
Thallium	203-1	451.76	452.52	424.24	442.84	3.64	ppb
Thallium	205-1	462.21	463.85	438.76	454.94	3.08	ppb
Thorium	232-1	24.94	24.57	23.11	24.20	4.00	ppb
Tin	118-1	484.34	480.10	449.31	471.25	4.06	ppb
Titanium	47-1	3980.19	3990.32	3724.96	3898.49	3.86	ppb
Uranium	238-1	457.60	456.29	431.37	448.42	3.30	ppb
Vanadium	51-2	578.42	578.50	576.12	577.68	0.23	ppb
Yttrium	89-1				106		%
Yttrium	89-2				100		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04A	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:43:50	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	2143.97	2170.86	2120.58	2145.14	1.17	ppb
Zirconium	90-1	427.11	423.55	407.68	419.45	2.47	ppb
Zirconium	91-1	427.85	424.92	410.28	421.02	2.24	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV46	Instrumnet Name :	P7
Client Sample ID :	CCV46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:56:51	DataFile Name :	026CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50205.14	49851.53	50431.12	50162.59	0.58	ppb
Antimony	121-1	485.15	478.40	479.70	481.08	0.74	ppb
Arsenic	75-2	479.26	487.36	488.36	484.99	1.03	ppb
Barium	135-1	2457.83	2449.07	2452.80	2453.23	0.18	ppb
Barium	137-1	2527.75	2509.14	2517.63	2518.17	0.37	ppb
Beryllium	9-1	513.77	513.38	513.63	513.59	0.04	ppb
Bismuth	209-1				87		%
Bismuth	209-2				82		%
Boron	10-1	500.34	513.26	516.14	509.91	1.65	ppb
Boron	11-1	508.09	515.40	522.46	515.32	1.39	ppb
Cadmium	111-1	534.53	535.00	532.84	534.12	0.21	ppb
Cadmium	106-1	527.62	518.83	521.28	522.58	0.87	ppb
Cadmium	108-1	534.61	530.59	531.93	532.38	0.38	ppb
Calcium	43-1	235715.34	238152.57	236067.01	236644.97	0.56	ppb
Calcium	44-1	235246.22	238556.64	235562.79	236455.21	0.77	ppb
Chromium	52-2	506.75	503.68	501.93	504.12	0.48	ppb
Cobalt	59-2	495.83	493.52	496.00	495.12	0.28	ppb
Copper	63-2	988.43	984.29	981.75	984.82	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				99		%
Holmium	165-2				92		%
Indium	115-1				86		%
Indium	115-2				83		%
Iron	56-2	123735.29	123881.70	122377.96	123331.65	0.67	ppb
Iron	57-2	124362.88	123160.79	123161.39	123561.69	0.56	ppb
Krypton	83-1						cps
Lead	206-1	508.63	503.78	501.75	504.72	0.70	ppb
Lead	207-1	519.22	515.89	511.10	515.40	0.79	ppb
Lead	208-1	512.52	512.54	508.08	511.05	0.50	ppb
Lithium	6-1				94		%
Magnesium	24-2	241456.53	240048.85	237381.72	239629.03	0.86	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV46	Instrumnet Name :	P7
Client Sample ID :	CCV46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:56:51	DataFile Name :	026CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	998.50	1001.58	990.15	996.74	0.59	ppb
Molybdenum	94-1	2548.16	2558.61	2511.14	2539.30	0.98	ppb
Molybdenum	95-1	2538.31	2545.17	2504.46	2529.31	0.86	ppb
Molybdenum	96-1	2532.87	2530.51	2522.89	2528.76	0.21	ppb
Molybdenum	97-1	2562.83	2548.01	2526.35	2545.73	0.72	ppb
Molybdenum	98-1	2539.70	2548.79	2514.16	2534.22	0.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	487.20	487.77	485.74	486.90	0.21	ppb
Phosphorus	31-2	9995.45	9996.98	9874.82	9955.75	0.70	ppb
Potassium	39-2	121938.10	119954.42	120361.39	120751.31	0.87	ppb
Rhodium	103-1				79		%
Rhodium	103-2				79		%
Scandium	45-1				88		%
Scandium	45-2				89		%
Selenium	77-2	502.98	491.37	522.28	505.54	3.09	ppb
Selenium	78-2	505.24	511.72	499.31	505.43	1.23	ppb
Selenium	82-1	493.78	491.16	487.52	490.82	0.64	ppb
Silicon	28-1	609.38	630.18	639.10	626.22	2.44	ppb
Silver	109-1	491.79	491.99	492.06	491.94	0.03	ppb
Silver	107-1	492.34	491.45	492.21	492.00	0.10	ppb
Sodium	23-2	239764.99	238153.69	237613.11	238510.60	0.47	ppb
Strontium	86-1	505.86	505.00	500.53	503.79	0.57	ppb
Strontium	88-1	505.87	504.63	503.28	504.60	0.26	ppb
Sulfur	34-1	10303.38	10353.17	10185.04	10280.53	0.84	ppb
Terbium	159-1				98		%
Terbium	159-2				93		%
Thallium	203-1	511.15	505.21	502.06	506.14	0.91	ppb
Thallium	205-1	521.82	520.30	521.26	521.13	0.15	ppb
Thorium	232-1	524.65	524.90	520.27	523.28	0.50	ppb
Tin	118-1	491.05	489.59	486.34	489.00	0.49	ppb
Titanium	47-1	2538.93	2543.38	2516.46	2532.92	0.57	ppb
Uranium	238-1	524.10	518.16	516.27	519.51	0.79	ppb
Vanadium	51-2	509.99	508.31	511.94	510.08	0.36	ppb
Yttrium	89-1				90		%
Yttrium	89-2				87		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV46	Instrumnet Name :	P7
Client Sample ID :	CCV46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:56:51	DataFile Name :	026CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	964.86	954.16	958.69	959.24	0.56	ppb
Zirconium	90-1	512.47	512.43	508.54	511.15	0.44	ppb
Zirconium	91-1	511.57	515.79	504.64	510.67	1.10	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB46	Instrumnet Name :	P7
Client Sample ID :	CCB46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 15:04:05	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.92	2.28	2.54	1.91	45.55	ppb
Antimony	121-1	0.08	0.09	0.10	0.09	14.08	ppb
Arsenic	75-2	0.03	0.03	0.06	0.04	44.35	ppb
Barium	135-1	0.04	0.02	0.02	0.03	43.87	ppb
Barium	137-1	0.07	0.09	0.09	0.08	16.31	ppb
Beryllium	9-1	0.05	0.06	0.04	0.05	19.90	ppb
Bismuth	209-1				101		%
Bismuth	209-2				96		%
Boron	10-1	6.80	6.08	5.77	6.22	8.51	ppb
Boron	11-1	6.69	6.33	5.86	6.30	6.60	ppb
Cadmium	111-1	0.06	-0.07	-0.01	-0.01		ppb
Cadmium	106-1	0.33	-1.23	-0.31	-0.40		ppb
Cadmium	108-1	0.03	0.03	0.00	0.02	89.37	ppb
Calcium	43-1	4.91	6.57	6.40	5.96	15.31	ppb
Calcium	44-1	4.59	6.43	5.65	5.55	16.57	ppb
Chromium	52-2	0.03	0.01	0.01	0.02	80.59	ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	27.48	ppb
Copper	63-2	0.02	0.04	0.02	0.03	24.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				97		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	56-2	4.30	4.48	4.76	4.51	5.17	ppb
Iron	57-2	4.61	3.48	5.86	4.65	25.65	ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.03	0.02	0.02	30.19	ppb
Lead	207-1	0.04	0.03	0.02	0.03	36.66	ppb
Lead	208-1	0.03	0.03	0.03	0.03	15.13	ppb
Lithium	6-1				104		%
Magnesium	24-2	6.57	9.01	9.32	8.30	18.16	ppb

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : CCB46 Instrumnet Name : P7
 Client Sample ID : CCB46 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 15:04:05 DataFile Name : 027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.02	0.03	0.04	0.03	35.57	ppb
Molybdenum	94-1	0.14	0.16	0.12	0.14	13.40	ppb
Molybdenum	95-1	0.13	0.13	0.13	0.13	1.84	ppb
Molybdenum	96-1	0.15	0.14	0.13	0.14	7.27	ppb
Molybdenum	97-1	0.18	0.11	0.19	0.16	25.62	ppb
Molybdenum	98-1	0.15	0.16	0.15	0.16	3.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.01	0.05	0.02	90.49	ppb
Phosphorus	31-2	-24.48	-17.97	-16.26	-19.57		ppb
Potassium	39-2	7.42	3.70	6.40	5.84	32.93	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	77-2	-0.14	0.31	-0.14	0.01	3809.33	ppb
Selenium	78-2	0.22	-0.39	-0.04	-0.07		ppb
Selenium	82-1	0.13	-0.27	-0.37	-0.17		ppb
Silicon	28-1	1.24	-0.28	-0.02	0.32	258.33	ppb
Silver	109-1	0.02	0.02	0.01	0.02	24.77	ppb
Silver	107-1	0.01	0.02	0.02	0.02	13.81	ppb
Sodium	23-2	25.09	22.66	25.83	24.52	6.76	ppb
Strontium	86-1	0.03	0.04	0.06	0.04	31.34	ppb
Strontium	88-1	0.02	0.02	0.01	0.01	21.28	ppb
Sulfur	34-1	91.73	45.91	29.73	55.79	57.64	ppb
Terbium	159-1				101		%
Terbium	159-2				97		%
Thallium	203-1	0.04	0.05	0.05	0.05	9.81	ppb
Thallium	205-1	0.05	0.05	0.04	0.05	4.00	ppb
Thorium	232-1	0.02	0.02	0.02	0.02	10.56	ppb
Tin	118-1	0.04	0.04	0.04	0.04	4.82	ppb
Titanium	47-1	0.06	0.03	0.09	0.06	48.21	ppb
Uranium	238-1	0.01	0.00	0.00	0.00	34.00	ppb
Vanadium	51-2	0.02	0.01	0.02	0.01	46.87	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB46	Instrumnet Name :	P7
Client Sample ID :	CCB46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 15:04:05	DataFile Name :	027CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zinc	66-2	-0.08	0.12	-0.03	0.00	3121.03	ppb
Zirconium	90-1	0.02	0.03	0.02	0.02	29.31	ppb
Zirconium	91-1	0.04	0.01	0.01	0.02	79.68	ppb

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:06:51	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	17	33	42	31	41.66	cps
Antimony	121-1	25	58	25	36	53.30	cps
Arsenic	75-2	2	2	4	2	43.30	cps
Barium	135-1	50	42	33	42	20.00	cps
Barium	137-1	17	58	25	33	66.14	cps
Beryllium	9-1	33	50	33	39	24.75	cps
Bismuth	209-1	6849037	6709347	6797245	6785210	1.04	cps
Bismuth	209-2	4191206	4232325	4276320	4233284	1.01	cps
Boron	10-1	308	275	308	297	6.48	cps
Boron	11-1	1467	1292	1325	1361	6.83	cps
Cadmium	111-1	2340	2159	2180	2226	4.45	cps
Cadmium	106-1	3317	3092	3084	3164	4.18	cps
Cadmium	108-1	17	8	0	8	100.02	cps
Calcium	43-1	117	75	75	89	27.07	cps
Calcium	44-1	4985	5035	4735	4918	3.27	cps
Chromium	52-2	597	603	517	572	8.43	cps
Cobalt	59-2	50	47	90	62	38.75	cps
Copper	63-2	143	210	157	170	20.75	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	25	67	39	61.86	cps
Erbium	164-2	17	17	10	14	26.66	cps
Gadolinium	160-1	17	67	67	50	57.73	cps
Gadolinium	160-2	153	147	137	146	5.76	cps
Holmium	165-1	10127880	9806455	10004218	9979518	1.62	cps
Holmium	165-2	5521366	5574792	5991953	5696037	4.52	cps
Indium	115-1	7783618	7593048	7621693	7666120	1.34	cps
Indium	115-2	1619160	1629180	1661583	1636641	1.35	cps
Iron	56-2	3512	3378	3184	3358	4.91	cps
Iron	57-2	94	111	106	104	8.18	cps
Krypton	83-1	277	317	283	292	7.34	cps
Lead	206-1	583	478	456	506	13.50	cps
Lead	207-1	472	378	489	446	13.43	cps
Lead	208-1	2000	1828	1983	1937	4.90	cps
Lithium	6-1	3614999	3531305	3585558	3577287	1.19	cps
Magnesium	24-2	125	25	67	72	69.55	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:06:51	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	47	50	53	50	6.66	cps
Molybdenum	94-1	142	183	192	172	15.55	cps
Molybdenum	95-1	33	50	83	56	45.83	cps
Molybdenum	96-1	133	50	158	114	49.81	cps
Molybdenum	97-1	67	17	17	33	86.59	cps
Molybdenum	98-1	67	75	67	69	6.93	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	37	43	37	39	9.89	cps
Phosphorus	31-2	117	117	133	122	7.87	cps
Potassium	39-2	13665	13623	14357	13882	2.97	cps
Rhodium	103-1	7159837	6953875	7039907	7051206	1.47	cps
Rhodium	103-2	3371582	3426556	3480990	3426376	1.60	cps
Scandium	45-1	5199271	5086600	5115403	5133758	1.14	cps
Scandium	45-2	220282	220668	222749	221233	0.60	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	61	48	37	49	24.70	cps
Selenium	82-1	76	8	39	41	83.32	cps
Silicon	28-1	172620	171203	167688	170504	1.49	cps
Silver	109-1	33	75	42	50	44.10	cps
Silver	107-1	67	75	92	78	16.37	cps
Sodium	23-2	5034	4826	4851	4904	2.32	cps
Strontium	86-1	358	433	375	389	10.13	cps
Strontium	88-1	100	67	108	92	24.05	cps
Sulfur	34-1	286829	282868	284391	284696	0.70	cps
Terbium	159-1	10332926	10080852	10171880	10195219	1.25	cps
Terbium	159-2	5404170	5449995	5570552	5474906	1.57	cps
Thallium	203-1	108	125	208	147	36.39	cps
Thallium	205-1	308	417	367	364	14.90	cps
Thorium	232-1	50	39	50	46	13.85	cps
Tin	118-1	542	433	458	478	11.87	cps
Titanium	47-1	75	75	58	69	13.85	cps
Uranium	238-1	200	192	308	233	27.89	cps
Vanadium	51-2	7	0	7	4	86.60	cps
Yttrium	89-1	7922335	7736099	7840297	7832910	1.19	cps
Yttrium	89-2	1186528	1197134	1202374	1195345	0.68	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:06:51	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	323	313	327	321	2.16	cps
Zirconium	90-1	425	425	525	458	12.60	cps
Zirconium	91-1	117	92	75	94	22.21	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P7
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:14:31 DataFile Name : 005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1750	1784	1542	1692	7.74	cps
Antimony	121-1	12898	12982	13115	12998	0.84	cps
Arsenic	75-2	239	250	272	254	6.69	cps
Barium	135-1	17370	17737	17729	17612	1.19	cps
Barium	137-1	30075	30601	30008	30228	1.07	cps
Beryllium	9-1	2550	2611	2478	2547	2.62	cps
Bismuth	209-1	6406716	6391232	6426817	6408255	0.28	cps
Bismuth	209-2	4062239	4124264	4139346	4108616	0.99	cps
Boron	10-1	10804	12239	11672	11572	6.24	cps
Boron	11-1	49415	50293	50519	50076	1.16	cps
Cadmium	111-1	4326	4341	4295	4321	0.55	cps
Cadmium	106-1	3359	3667	3501	3509	4.40	cps
Cadmium	108-1	138	163	133	144	10.92	cps
Calcium	43-1	11855	12014	11263	11711	3.38	cps
Calcium	44-1	195069	194867	193448	194461	0.45	cps
Chromium	52-2	4781	4924	4978	4894	2.08	cps
Cobalt	59-2	3260	3541	3344	3382	4.25	cps
Copper	63-2	4914	4864	4898	4892	0.52	cps
Dysprosium	156-1	17	0	25	14	91.65	cps
Dysprosium	156-2	0	3	10	4	114.60	cps
Erbium	164-1	50	8	33	31	68.64	cps
Erbium	164-2	17	17	10	14	26.66	cps
Gadolinium	160-1	25	25	50	33	43.30	cps
Gadolinium	160-2	173	123	163	153	17.25	cps
Holmium	165-1	9533375	9573900	9564231	9557169	0.22	cps
Holmium	165-2	5409691	5463132	5489968	5454264	0.75	cps
Indium	115-1	7320723	7350839	7366114	7345892	0.31	cps
Indium	115-2	1593864	1596160	1603233	1597752	0.31	cps
Iron	56-2	102366	102219	102063	102216	0.15	cps
Iron	57-2	2823	2556	2589	2656	5.47	cps
Krypton	83-1	317	253	293	288	11.13	cps
Lead	206-1	6379	6552	6035	6322	4.16	cps
Lead	207-1	5557	5790	5746	5698	2.18	cps
Lead	208-1	25555	25110	25266	25310	0.89	cps
Lithium	6-1	3558734	3541702	3541974	3547470	0.27	cps
Magnesium	24-2	98137	97097	97096	97443	0.62	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:14:31	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1447	1477	1533	1486	2.96	cps
Molybdenum	94-1	14466	14057	14191	14238	1.46	cps
Molybdenum	95-1	18438	17595	17495	17842	2.90	cps
Molybdenum	96-1	20349	19481	19998	19942	2.19	cps
Molybdenum	97-1	11297	11071	10488	10952	3.81	cps
Molybdenum	98-1	28880	28354	28847	28694	1.03	cps
Neodymium	150-1	0	0	0	0	0.00	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	1043	1090	970	1034	5.85	cps
Phosphorus	31-2	317	308	433	353	19.81	cps
Potassium	39-2	99289	96916	96849	97684	1.42	cps
Rhodium	103-1	6746805	6715249	6723438	6728497	0.24	cps
Rhodium	103-2	3301689	3348311	3359285	3336428	0.92	cps
Scandium	45-1	4954509	4989575	5012854	4985646	0.59	cps
Scandium	45-2	217762	217286	219030	218026	0.41	cps
Selenium	77-2	43	33	37	38	13.48	cps
Selenium	78-2	161	207	180	183	12.75	cps
Selenium	82-1	865	842	889	865	2.75	cps
Silicon	28-1	224408	220112	222050	222190	0.97	cps
Silver	109-1	9662	9904	9537	9701	1.92	cps
Silver	107-1	10404	9579	10121	10035	4.18	cps
Sodium	23-2	181855	182589	178093	180846	1.33	cps
Strontium	86-1	2934	3084	2767	2928	5.41	cps
Strontium	88-1	20332	20716	19814	20287	2.23	cps
Sulfur	34-1	297066	300337	295721	297708	0.80	cps
Terbium	159-1	9704026	9694817	9709376	9702740	0.08	cps
Terbium	159-2	5285653	5355081	5364502	5335079	0.81	cps
Thallium	203-1	7636	7327	6927	7297	4.87	cps
Thallium	205-1	17779	18005	17929	17904	0.64	cps
Thorium	232-1	23900	24390	23644	23978	1.58	cps
Tin	118-1	31628	31060	31703	31464	1.12	cps
Titanium	47-1	5626	5501	5293	5473	3.08	cps
Uranium	238-1	23547	23606	23689	23614	0.30	cps
Vanadium	51-2	8956	9083	8983	9007	0.74	cps
Yttrium	89-1	7568747	7578968	7610052	7585922	0.28	cps
Yttrium	89-2	1162365	1170452	1177260	1170026	0.64	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:14:31	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	1090	1043	1070	1068	2.19	cps
Zirconium	90-1	12131	11789	12256	12058	2.00	cps
Zirconium	91-1	2575	2517	2750	2614	4.65	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:18:26	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	90448	92595	91807	91616	1.19	cps
Antimony	121-1	365579	360521	359934	362011	0.86	cps
Arsenic	75-2	12791	12987	12874	12884	0.77	cps
Barium	135-1	478604	470435	464915	471318	1.46	cps
Barium	137-1	842411	822932	816167	827170	1.65	cps
Beryllium	9-1	140370	140634	139737	140247	0.33	cps
Bismuth	209-1	6485114	6480912	6421777	6462601	0.55	cps
Bismuth	209-2	4065014	4060121	4086892	4070676	0.35	cps
Boron	10-1	25506	26348	25664	25839	1.73	cps
Boron	11-1	112551	113331	114229	113370	0.74	cps
Cadmium	111-1	116364	113821	113105	114430	1.50	cps
Cadmium	106-1	15818	15960	15326	15701	2.12	cps
Cadmium	108-1	8428	8303	8236	8322	1.17	cps
Calcium	43-1	134911	132901	130731	132848	1.57	cps
Calcium	44-1	2157098	2113782	2100102	2123660	1.40	cps
Chromium	52-2	115717	116103	115908	115909	0.17	cps
Cobalt	59-2	187761	189020	188311	188364	0.34	cps
Copper	63-2	259206	257955	256533	257898	0.52	cps
Dysprosium	156-1	50	17	8	25	88.19	cps
Dysprosium	156-2	10	17	10	12	31.50	cps
Erbium	164-1	33	25	17	25	33.32	cps
Erbium	164-2	7	20	17	14	48.02	cps
Gadolinium	160-1	42	58	50	50	16.67	cps
Gadolinium	160-2	137	143	143	141	2.73	cps
Holmium	165-1	9585126	9597551	9611228	9597968	0.14	cps
Holmium	165-2	5373229	5407797	5381047	5387358	0.34	cps
Indium	115-1	7291174	7290360	7238152	7273229	0.42	cps
Indium	115-2	1532946	1554516	1543625	1543696	0.70	cps
Iron	56-2	4959114	5003034	4975444	4979197	0.45	cps
Iron	57-2	126030	126165	124261	125485	0.85	cps
Krypton	83-1	263	307	317	296	9.59	cps
Lead	206-1	340903	336930	338708	338847	0.59	cps
Lead	207-1	303250	301153	302811	302405	0.37	cps
Lead	208-1	1360493	1357447	1353411	1357117	0.26	cps
Lithium	6-1	3606534	3644665	3608108	3619769	0.60	cps
Magnesium	24-2	1089057	1082113	1081250	1084140	0.39	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P7
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:18:26 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	146625	145056	146218	145967	0.56	cps
Molybdenum	94-1	779332	765857	762051	769080	1.18	cps
Molybdenum	95-1	952123	941948	940730	944934	0.66	cps
Molybdenum	96-1	1053935	1042875	1041118	1045976	0.66	cps
Molybdenum	97-1	598087	585584	586460	590044	1.18	cps
Molybdenum	98-1	1516886	1505200	1501491	1507859	0.53	cps
Neodymium	150-1	27	60	33	40	44.09	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	48774	49968	49005	49249	1.29	cps
Phosphorus	31-2	5543	5201	4893	5212	6.24	cps
Potassium	39-2	456796	455170	454294	455420	0.28	cps
Rhodium	103-1	6701286	6662940	6637698	6667308	0.48	cps
Rhodium	103-2	3220307	3219315	3226817	3222146	0.13	cps
Scandium	45-1	4978076	4953748	4920325	4950716	0.59	cps
Scandium	45-2	210353	208391	209701	209482	0.48	cps
Selenium	77-2	400	423	473	432	8.67	cps
Selenium	78-2	1411	1400	1387	1399	0.86	cps
Selenium	82-1	8737	8713	8532	8661	1.30	cps
Silicon	28-1	499818	498568	493022	497136	0.73	cps
Silver	109-1	504175	506624	501465	504088	0.51	cps
Silver	107-1	532886	524691	523830	527136	0.95	cps
Sodium	23-2	1941896	1946886	1937351	1942045	0.25	cps
Strontium	86-1	130504	130371	126858	129244	1.60	cps
Strontium	88-1	1119225	1110039	1103459	1110908	0.71	cps
Sulfur	34-1	359397	356823	354060	356760	0.75	cps
Terbium	159-1	9852705	9783248	9757994	9797983	0.50	cps
Terbium	159-2	5284130	5290822	5253303	5276085	0.38	cps
Thallium	203-1	412241	409206	412083	411177	0.42	cps
Thallium	205-1	998170	987658	988361	991396	0.59	cps
Thorium	232-1	1391786	1388819	1372734	1384446	0.74	cps
Tin	118-1	337302	338623	326348	334091	2.02	cps
Titanium	47-1	289428	284209	283961	285866	1.08	cps
Uranium	238-1	1338048	1328463	1334993	1333835	0.37	cps
Vanadium	51-2	90455	91008	91555	91006	0.60	cps
Yttrium	89-1	7570636	7555119	7490018	7538591	0.57	cps
Yttrium	89-2	1124073	1136123	1123730	1127975	0.63	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:18:26	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	43361	43084	43511	43319	0.50	cps
Zirconium	90-1	651319	639134	630689	640381	1.62	cps
Zirconium	91-1	146434	144868	143159	144820	1.13	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P7
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:22:20 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	206262	206869	204522	205884	0.59	cps
Antimony	121-1	850245	846338	843300	846628	0.41	cps
Arsenic	75-2	28676	28914	28378	28656	0.94	cps
Barium	135-1	1111991	1118194	1104208	1111464	0.63	cps
Barium	137-1	1944393	1943017	1933400	1940270	0.31	cps
Beryllium	9-1	331369	329007	326033	328803	0.81	cps
Bismuth	209-1	6360206	6360767	6632667	6451213	2.44	cps
Bismuth	209-2	3874344	3892663	3889733	3885580	0.25	cps
Boron	10-1	59660	60355	61158	60391	1.24	cps
Boron	11-1	263620	268304	271142	267689	1.42	cps
Cadmium	111-1	264504	263550	260203	262752	0.86	cps
Cadmium	106-1	32138	31845	31945	31976	0.46	cps
Cadmium	108-1	19910	20536	20165	20204	1.56	cps
Calcium	43-1	307971	307510	302279	305920	1.03	cps
Calcium	44-1	4953116	4919258	4828281	4900218	1.32	cps
Chromium	52-2	255505	255834	253739	255026	0.44	cps
Cobalt	59-2	411149	410593	406915	409552	0.56	cps
Copper	63-2	568513	565684	563213	565803	0.47	cps
Dysprosium	156-1	42	25	25	31	31.50	cps
Dysprosium	156-2	23	23	17	21	18.21	cps
Erbium	164-1	42	33	25	33	25.01	cps
Erbium	164-2	13	13	17	14	13.35	cps
Gadolinium	160-1	50	8	42	33	66.15	cps
Gadolinium	160-2	97	97	120	104	12.90	cps
Holmium	165-1	9445684	9407887	9700766	9518112	1.67	cps
Holmium	165-2	5202009	5150104	5165998	5172704	0.51	cps
Indium	115-1	6952958	6861483	7163666	6992702	2.22	cps
Indium	115-2	1429402	1419266	1404799	1417822	0.87	cps
Iron	56-2	11029024	10918232	10841194	10929483	0.86	cps
Iron	57-2	279479	278967	277879	278775	0.29	cps
Krypton	83-1	310	263	287	287	8.14	cps
Lead	206-1	816961	818248	811315	815508	0.45	cps
Lead	207-1	730696	736093	733362	733383	0.37	cps
Lead	208-1	3282020	3287208	3290808	3286679	0.13	cps
Lithium	6-1	3576476	3564184	3659744	3600135	1.44	cps
Magnesium	24-2	2444634	2464127	2423084	2443948	0.84	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P7
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:22:20 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	326900	328985	323572	326486	0.84	cps
Molybdenum	94-1	1783599	1792757	1765284	1780547	0.79	cps
Molybdenum	95-1	2201219	2197373	2167599	2188730	0.84	cps
Molybdenum	96-1	2438314	2396352	2368570	2401079	1.46	cps
Molybdenum	97-1	1361642	1355558	1338355	1351852	0.89	cps
Molybdenum	98-1	3516808	3500258	3466368	3494478	0.74	cps
Neodymium	150-1	173	193	133	167	18.33	cps
Neodymium	150-2	27	13	13	18	43.33	cps
Nickel	60-2	106258	107691	107322	107091	0.69	cps
Phosphorus	31-2	10846	10946	10788	10860	0.74	cps
Potassium	39-2	1002053	1006100	991271	999808	0.77	cps
Rhodium	103-1	6242591	6183893	6356830	6261105	1.40	cps
Rhodium	103-2	2959925	2921176	2921687	2934263	0.76	cps
Scandium	45-1	4764108	4718851	4785148	4756036	0.71	cps
Scandium	45-2	191830	188018	189383	189743	1.02	cps
Selenium	77-2	840	883	810	844	4.37	cps
Selenium	78-2	3193	3128	3008	3110	3.02	cps
Selenium	82-1	20499	20246	20003	20249	1.22	cps
Silicon	28-1	904955	911161	897368	904495	0.76	cps
Silver	109-1	1172820	1161630	1148526	1160992	1.05	cps
Silver	107-1	1209164	1200613	1191252	1200343	0.75	cps
Sodium	23-2	4385418	4343917	4319990	4349775	0.76	cps
Strontium	86-1	299070	294259	295421	296250	0.85	cps
Strontium	88-1	2590873	2549624	2539308	2559935	1.07	cps
Sulfur	34-1	405004	402562	398467	402011	0.82	cps
Terbium	159-1	9564157	9625082	9905144	9698128	1.88	cps
Terbium	159-2	5019666	4986925	5035103	5013898	0.49	cps
Thallium	203-1	986450	1000335	994279	993688	0.70	cps
Thallium	205-1	2376250	2375412	2377310	2376324	0.04	cps
Thorium	232-1	3395583	3393505	3389690	3392926	0.09	cps
Tin	118-1	789957	776346	774951	780418	1.06	cps
Titanium	47-1	665792	665307	647141	659414	1.61	cps
Uranium	238-1	3286823	3300813	3276786	3288141	0.37	cps
Vanadium	51-2	203898	205219	200336	203151	1.24	cps
Yttrium	89-1	7181344	7132214	7317768	7210442	1.33	cps
Yttrium	89-2	1038691	1022747	1025076	1028838	0.84	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:22:20	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	97030	95114	97063	96402	1.16	cps
Zirconium	90-1	1500611	1481146	1461448	1481068	1.32	cps
Zirconium	91-1	338179	335278	328948	334135	1.41	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P7
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:26:09 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	372135	369474	374761	372123	0.71	cps
Antimony	121-1	1605309	1592658	1570746	1589571	1.10	cps
Arsenic	75-2	51303	51227	51283	51271	0.08	cps
Barium	135-1	2116865	2109476	2083474	2103272	0.83	cps
Barium	137-1	3708850	3681262	3660568	3683560	0.66	cps
Beryllium	9-1	613606	604725	602114	606815	0.99	cps
Bismuth	209-1	6164491	6015675	6089985	6090050	1.22	cps
Bismuth	209-2	3621269	3640698	3670403	3644123	0.68	cps
Boron	10-1	114314	112592	114574	113827	0.95	cps
Boron	11-1	495124	505366	497792	499428	1.06	cps
Cadmium	111-1	485799	490284	482273	486119	0.83	cps
Cadmium	106-1	56355	57267	53845	55822	3.17	cps
Cadmium	108-1	36773	36656	36894	36774	0.32	cps
Calcium	43-1	563608	560732	555821	560054	0.70	cps
Calcium	44-1	9043541	8960711	8860641	8954964	1.02	cps
Chromium	52-2	461613	457870	459573	459685	0.41	cps
Cobalt	59-2	730567	740002	732007	734192	0.69	cps
Copper	63-2	994942	996652	998384	996659	0.17	cps
Dysprosium	156-1	50	83	50	61	31.50	cps
Dysprosium	156-2	33	37	50	40	22.05	cps
Erbium	164-1	25	42	25	31	31.50	cps
Erbium	164-2	17	20	30	22	31.22	cps
Gadolinium	160-1	75	33	50	53	39.74	cps
Gadolinium	160-2	147	130	113	130	12.82	cps
Holmium	165-1	9071652	8762479	8802382	8878838	1.89	cps
Holmium	165-2	4766371	4824413	4827991	4806258	0.72	cps
Indium	115-1	6368999	6137295	6193271	6233188	1.94	cps
Indium	115-2	1249741	1257831	1266742	1258105	0.68	cps
Iron	56-2	19821816	19707950	19736710	19755492	0.30	cps
Iron	57-2	501486	502096	505184	502922	0.39	cps
Krypton	83-1	300	260	280	280	7.14	cps
Lead	206-1	1616927	1623610	1614010	1618182	0.30	cps
Lead	207-1	1455024	1459518	1449354	1454632	0.35	cps
Lead	208-1	6514087	6548678	6499188	6520651	0.39	cps
Lithium	6-1	3367181	3289351	3327934	3328156	1.17	cps
Magnesium	24-2	4465248	4459455	4463952	4462885	0.07	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:26:09	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	596091	590564	593673	593443	0.47	cps
Molybdenum	94-1	3301177	3260502	3255399	3272359	0.77	cps
Molybdenum	95-1	4029767	4029224	3974874	4011288	0.79	cps
Molybdenum	96-1	4479234	4467723	4442739	4463232	0.42	cps
Molybdenum	97-1	2525668	2504580	2486176	2505475	0.79	cps
Molybdenum	98-1	6513143	6495134	6427386	6478554	0.70	cps
Neodymium	150-1	267	220	233	240	10.02	cps
Neodymium	150-2	13	30	30	24	39.37	cps
Nickel	60-2	189537	190219	190311	190023	0.22	cps
Phosphorus	31-2	19814	19814	19672	19766	0.41	cps
Potassium	39-2	1784473	1792627	1792947	1790016	0.27	cps
Rhodium	103-1	5580298	5385003	5445397	5470233	1.83	cps
Rhodium	103-2	2568741	2592740	2596707	2586063	0.59	cps
Scandium	45-1	4226670	4040678	4056675	4108007	2.51	cps
Scandium	45-2	167809	167612	168768	168063	0.37	cps
Selenium	77-2	1563	1470	1553	1529	3.35	cps
Selenium	78-2	5266	5581	5529	5458	3.09	cps
Selenium	82-1	37439	37202	36396	37012	1.48	cps
Silicon	28-1	1464397	1472887	1456238	1464507	0.57	cps
Silver	109-1	2141199	2119850	2096967	2119339	1.04	cps
Silver	107-1	2221802	2193451	2151373	2188875	1.62	cps
Sodium	23-2	8001431	7976534	8005795	7994587	0.20	cps
Strontium	86-1	555594	547267	544725	549195	1.04	cps
Strontium	88-1	4806728	4752714	4705977	4755140	1.06	cps
Sulfur	34-1	471002	467252	460489	466248	1.14	cps
Terbium	159-1	9097588	8862322	8977221	8979044	1.31	cps
Terbium	159-2	4671853	4668426	4702187	4680822	0.40	cps
Thallium	203-1	1971185	1986755	1966356	1974765	0.54	cps
Thallium	205-1	4711554	4718713	4677259	4702509	0.47	cps
Thorium	232-1	7013716	7027428	7033995	7025046	0.15	cps
Tin	118-1	1478496	1477204	1445713	1467138	1.27	cps
Titanium	47-1	1211533	1199234	1181448	1197405	1.26	cps
Uranium	238-1	6791317	6782979	6829569	6801288	0.37	cps
Vanadium	51-2	361521	365914	364676	364037	0.62	cps
Yttrium	89-1	6544862	6259825	6320729	6375139	2.35	cps
Yttrium	89-2	914461	912357	921143	915987	0.50	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:26:09	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	171642	170843	171810	171432	0.30	cps
Zirconium	90-1	2782608	2750318	2706752	2746559	1.39	cps
Zirconium	91-1	620411	623154	610795	618120	1.05	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:29:56	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	723534	733307	724143	726995	0.75	cps
Antimony	121-1	3005373	3008477	3000461	3004770	0.13	cps
Arsenic	75-2	99177	99133	99321	99210	0.10	cps
Barium	135-1	4005589	3962868	3985835	3984764	0.54	cps
Barium	137-1	7082334	7075941	7101562	7086612	0.19	cps
Beryllium	9-1	1138295	1134743	1128787	1133942	0.42	cps
Bismuth	209-1	6053457	6078494	6077726	6069892	0.23	cps
Bismuth	209-2	3645641	3675867	3693360	3671622	0.66	cps
Boron	10-1	214889	218381	219598	217623	1.12	cps
Boron	11-1	932874	941746	951450	942023	0.99	cps
Cadmium	111-1	914768	902704	910803	909425	0.68	cps
Cadmium	106-1	103374	104039	105189	104201	0.88	cps
Cadmium	108-1	70759	69578	69658	69998	0.94	cps
Calcium	43-1	1048975	1044590	1043255	1045607	0.29	cps
Calcium	44-1	16812768	16800195	16710420	16774461	0.33	cps
Chromium	52-2	880381	883480	892054	885305	0.68	cps
Cobalt	59-2	1398669	1395011	1412267	1401982	0.65	cps
Copper	63-2	1914580	1933250	1925619	1924483	0.49	cps
Dysprosium	156-1	100	142	92	111	24.11	cps
Dysprosium	156-2	73	67	70	70	4.76	cps
Erbium	164-1	33	33	17	28	34.63	cps
Erbium	164-2	10	20	27	19	44.42	cps
Gadolinium	160-1	42	83	75	67	33.07	cps
Gadolinium	160-2	143	160	127	143	11.63	cps
Holmium	165-1	8933199	8974510	9071211	8992973	0.79	cps
Holmium	165-2	4903933	4947021	4970697	4940550	0.69	cps
Indium	115-1	6082063	6092416	6141356	6105278	0.52	cps
Indium	115-2	1251254	1271703	1276447	1266468	1.06	cps
Iron	56-2	38486761	38216576	38321079	38341472	0.36	cps
Iron	57-2	968860	968418	975161	970813	0.39	cps
Krypton	83-1	253	227	227	236	6.54	cps
Lead	206-1	3081355	3096342	3061607	3079768	0.57	cps
Lead	207-1	2809893	2785253	2769838	2788328	0.72	cps
Lead	208-1	12601067	12608698	12525441	12578402	0.37	cps
Lithium	6-1	3269286	3281663	3297640	3282863	0.43	cps
Magnesium	24-2	8714577	8661040	8724583	8700067	0.39	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:29:56	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1138711	1144049	1154054	1145605	0.68	cps
Molybdenum	94-1	6260601	6263139	6265730	6263157	0.04	cps
Molybdenum	95-1	7670527	7636732	7676616	7661291	0.28	cps
Molybdenum	96-1	8470040	8536701	8510067	8505603	0.39	cps
Molybdenum	97-1	4667674	4707126	4700736	4691845	0.45	cps
Molybdenum	98-1	12280667	12380442	12289727	12316945	0.45	cps
Neodymium	150-1	427	380	487	431	12.40	cps
Neodymium	150-2	37	47	53	46	18.41	cps
Nickel	60-2	358728	360388	363081	360732	0.61	cps
Phosphorus	31-2	38183	39294	37857	38445	1.96	cps
Potassium	39-2	3458438	3488201	3458107	3468249	0.50	cps
Rhodium	103-1	5207055	5239860	5226472	5224462	0.32	cps
Rhodium	103-2	2574119	2603430	2612200	2596583	0.77	cps
Scandium	45-1	4007086	4019069	3989733	4005296	0.37	cps
Scandium	45-2	171543	172083	174113	172580	0.79	cps
Selenium	77-2	2934	3157	2987	3026	3.86	cps
Selenium	78-2	10343	10554	10545	10480	1.14	cps
Selenium	82-1	68597	68451	68732	68593	0.21	cps
Silicon	28-1	2559968	2565228	2559756	2561650	0.12	cps
Silver	109-1	3910736	3898811	3876208	3895252	0.45	cps
Silver	107-1	4030196	4038101	4030514	4032937	0.11	cps
Sodium	23-2	15624363	15665849	15702380	15664197	0.25	cps
Strontium	86-1	1037341	1037701	1029898	1034980	0.43	cps
Strontium	88-1	9044677	9034827	9049696	9043067	0.08	cps
Sulfur	34-1	654880	657260	649456	653865	0.61	cps
Terbium	159-1	8999078	9018470	9105305	9040951	0.63	cps
Terbium	159-2	4738019	4806889	4814516	4786474	0.88	cps
Thallium	203-1	3775618	3745125	3777639	3766127	0.48	cps
Thallium	205-1	9146713	9195107	9171435	9171085	0.26	cps
Thorium	232-1	13875297	13768066	13796714	13813359	0.40	cps
Tin	118-1	2739552	2749533	2744514	2744533	0.18	cps
Titanium	47-1	2234792	2237489	2230035	2234105	0.17	cps
Uranium	238-1	13292140	13352220	13336935	13327098	0.23	cps
Vanadium	51-2	710523	708869	710210	709867	0.12	cps
Yttrium	89-1	6251124	6292179	6291833	6278379	0.38	cps
Yttrium	89-2	924923	932501	935024	930816	0.56	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:29:56	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	342900	340062	343087	342016	0.50	cps
Zirconium	90-1	5210985	5246886	5222404	5226759	0.35	cps
Zirconium	91-1	1152767	1160101	1153852	1155573	0.34	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P7
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:33:41 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1493767	1496019	1483594	1491127	0.44	cps
Antimony	121-1	6095134	6204040	6181303	6160159	0.93	cps
Arsenic	75-2	200759	200216	201742	200905	0.39	cps
Barium	135-1	8216051	8364399	8378031	8319494	1.08	cps
Barium	137-1	14296145	14585343	14578291	14486593	1.14	cps
Beryllium	9-1	2215777	2235443	2230337	2227186	0.46	cps
Bismuth	209-1	5998600	6038362	6027905	6021622	0.34	cps
Bismuth	209-2	3590304	3628362	3751959	3656875	2.31	cps
Boron	10-1	421898	433352	435336	430195	1.69	cps
Boron	11-1	1840343	1876619	1913288	1876750	1.94	cps
Cadmium	111-1	1767313	1777582	1775791	1773562	0.31	cps
Cadmium	106-1	203024	204132	204141	203766	0.32	cps
Cadmium	108-1	136171	138409	137816	137465	0.84	cps
Calcium	43-1	2119898	2112791	2142391	2125027	0.73	cps
Calcium	44-1	33975528	34218381	34429756	34207888	0.66	cps
Chromium	52-2	1826328	1819712	1830571	1825537	0.30	cps
Cobalt	59-2	2832619	2850840	2867676	2850378	0.62	cps
Copper	63-2	3835459	3855488	3878531	3856492	0.56	cps
Dysprosium	156-1	217	108	183	169	32.75	cps
Dysprosium	156-2	170	147	160	159	7.37	cps
Erbium	164-1	83	42	42	56	43.30	cps
Erbium	164-2	27	27	33	29	13.31	cps
Gadolinium	160-1	67	42	75	61	28.38	cps
Gadolinium	160-2	140	143	147	143	2.33	cps
Holmium	165-1	9156309	9182960	9217338	9185536	0.33	cps
Holmium	165-2	5014341	5034522	5250448	5099770	2.57	cps
Indium	115-1	6038549	6118136	6194884	6117189	1.28	cps
Indium	115-2	1265727	1257935	1311925	1278529	2.28	cps
Iron	56-2	78666060	78401730	78108216	78392002	0.36	cps
Iron	57-2	1980685	1973199	1994863	1982916	0.55	cps
Krypton	83-1	260	277	307	281	8.41	cps
Lead	206-1	6284088	6383483	6358538	6342036	0.82	cps
Lead	207-1	5458809	5482575	5443426	5461603	0.36	cps
Lead	208-1	25200494	25355180	25371756	25309144	0.37	cps
Lithium	6-1	3279090	3284475	3276252	3279939	0.13	cps
Magnesium	24-2	17958080	17843154	17804785	17868673	0.45	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:33:41	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2345591	2335347	2351164	2344034	0.34	cps
Molybdenum	94-1	12775403	12837580	12934128	12849037	0.62	cps
Molybdenum	95-1	15640661	15673718	15819208	15711195	0.60	cps
Molybdenum	96-1	17355119	17375211	17552648	17427659	0.62	cps
Molybdenum	97-1	9779398	9797516	9919736	9832217	0.78	cps
Molybdenum	98-1	24915837	25269884	25542185	25242635	1.24	cps
Neodymium	150-1	800	793	840	811	3.11	cps
Neodymium	150-2	63	100	73	79	24.03	cps
Nickel	60-2	723215	726866	728701	726261	0.38	cps
Phosphorus	31-2	78322	78339	79026	78563	0.51	cps
Potassium	39-2	7222200	7161307	7211506	7198338	0.45	cps
Rhodium	103-1	5133269	5164621	5181645	5159845	0.48	cps
Rhodium	103-2	2592375	2587670	2698263	2626103	2.38	cps
Scandium	45-1	4055531	4068201	4077452	4067061	0.27	cps
Scandium	45-2	177839	174959	180945	177915	1.68	cps
Selenium	77-2	6148	5981	6332	6154	2.85	cps
Selenium	78-2	20889	20591	20739	20740	0.72	cps
Selenium	82-1	135254	137592	136855	136567	0.88	cps
Silicon	28-1	4644139	4708549	4740672	4697787	1.05	cps
Silver	109-1	7901113	7987374	7998700	7962395	0.67	cps
Silver	107-1	8129974	8240528	8237426	8202643	0.77	cps
Sodium	23-2	32185727	32224154	32176584	32195488	0.08	cps
Strontium	86-1	2085578	2095643	2114570	2098597	0.70	cps
Strontium	88-1	18342720	18517284	18563234	18474413	0.63	cps
Sulfur	34-1	1064927	1070489	1069131	1068182	0.27	cps
Terbium	159-1	9148775	9276073	9287360	9237403	0.83	cps
Terbium	159-2	4841004	4872983	5086937	4933641	2.71	cps
Thallium	203-1	7740063	7823815	7808479	7790786	0.57	cps
Thallium	205-1	18451485	18615723	18718263	18595157	0.72	cps
Thorium	232-1	28302936	28178184	28359237	28280119	0.33	cps
Tin	118-1	5635576	5718616	5703833	5686008	0.78	cps
Titanium	47-1	4547222	4558230	4574748	4560067	0.30	cps
Uranium	238-1	27113856	27433242	27181891	27242996	0.62	cps
Vanadium	51-2	1472331	1467332	1472234	1470632	0.19	cps
Yttrium	89-1	6353310	6442581	6457302	6417731	0.88	cps
Yttrium	89-2	957434	944246	988891	963524	2.38	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:33:41	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	675777	679602	675486	676955	0.34	cps
Zirconium	90-1	10692113	10751782	10896047	10779981	0.97	cps
Zirconium	91-1	2343311	2354686	2369572	2355856	0.56	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P7
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:37:25 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8013893	7998667	8092461	8035007	0.63	cps
Antimony	121-1	7352	7452	7119	7308	2.34	cps
Arsenic	75-2	280	285	309	291	5.40	cps
Barium	135-1	1600	1584	1450	1545	5.32	cps
Barium	137-1	2342	2384	2300	2342	1.78	cps
Beryllium	9-1	372	289	367	343	13.60	cps
Bismuth	209-1	5200455	5041928	5091048	5111144	1.59	cps
Bismuth	209-2	3109945	3093219	3152827	3118663	0.99	cps
Boron	10-1	10145	9595	9061	9601	5.65	cps
Boron	11-1	45143	41692	37431	41422	9.33	cps
Cadmium	111-1	2127	2202	2375	2235	5.68	cps
Cadmium	106-1	2734	2825	3017	2859	5.06	cps
Cadmium	108-1	46	25	29	33	33.06	cps
Calcium	43-1	11314253	11453663	11372749	11380222	0.62	cps
Calcium	44-1	182460992	183575796	183582608	183206465	0.35	cps
Chromium	52-2	28999	29596	30118	29571	1.89	cps
Cobalt	59-2	36983	36068	36806	36619	1.33	cps
Copper	63-2	5908	5721	5861	5830	1.67	cps
Dysprosium	156-1	58	75	50	61	20.83	cps
Dysprosium	156-2	47	37	60	48	24.50	cps
Erbium	164-1	75	75	33	61	39.37	cps
Erbium	164-2	30	33	10	24	51.62	cps
Gadolinium	160-1	67	33	75	58	37.80	cps
Gadolinium	160-2	150	187	147	161	13.78	cps
Holmium	165-1	9192451	8936958	9132573	9087328	1.47	cps
Holmium	165-2	4843030	4855795	4937476	4878767	1.05	cps
Indium	115-1	6060950	5896974	6050637	6002854	1.53	cps
Indium	115-2	1254171	1246859	1275271	1258767	1.17	cps
Iron	56-2	401350320	405460165	406976587	404595691	0.72	cps
Iron	57-2	10113294	10169536	10184444	10155758	0.37	cps
Krypton	83-1	260	333	303	299	12.33	cps
Lead	206-1	7725	7669	7875	7756	1.37	cps
Lead	207-1	6418	6263	6335	6339	1.23	cps
Lead	208-1	30531	29658	29792	29994	1.57	cps
Lithium	6-1	3007106	2985010	3016368	3002828	0.54	cps
Magnesium	24-2	87543673	88351196	88356939	88083936	0.53	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P7
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:37:25 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	13880	14060	14237	14059	1.27	cps
Molybdenum	94-1	9637	10204	9203	9681	5.18	cps
Molybdenum	95-1	13649	13574	13832	13685	0.97	cps
Molybdenum	96-1	21801	20807	22226	21612	3.37	cps
Molybdenum	97-1	8336	8078	8328	8247	1.78	cps
Molybdenum	98-1	20524	20590	20106	20407	1.29	cps
Neodymium	150-1	167	147	140	151	9.18	cps
Neodymium	150-2	57	77	67	67	15.00	cps
Nickel	60-2	14127	14004	14124	14085	0.50	cps
Phosphorus	31-2	158	175	192	175	9.53	cps
Potassium	39-2	38630006	38809235	39175255	38871499	0.71	cps
Rhodium	103-1	4887333	4770418	4868461	4842071	1.30	cps
Rhodium	103-2	2402974	2399575	2448281	2416944	1.13	cps
Scandium	45-1	4158001	4075386	4170606	4134664	1.25	cps
Scandium	45-2	179874	181229	183504	181536	1.01	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	30	30	59	40	43.30	cps
Selenium	82-1	161	91	134	129	27.26	cps
Silicon	28-1	401721	408363	412604	407563	1.35	cps
Silver	109-1	592	617	667	625	6.11	cps
Silver	107-1	683	625	775	694	10.89	cps
Sodium	23-2	170035258	168839887	171937325	170270823	0.92	cps
Strontium	86-1	10129	9946	9820	9965	1.56	cps
Strontium	88-1	85571	85889	85312	85591	0.34	cps
Sulfur	34-1	235813	235902	235827	235847	0.02	cps
Terbium	159-1	9224599	8949014	9151352	9108322	1.57	cps
Terbium	159-2	4700852	4716224	4793762	4736946	1.05	cps
Thallium	203-1	1767	1592	1534	1631	7.45	cps
Thallium	205-1	4184	3667	4109	3987	7.00	cps
Thorium	232-1	4951	4329	4551	4610	6.84	cps
Tin	118-1	5868	5276	5293	5479	6.15	cps
Titanium	47-1	2217	2175	2317	2236	3.26	cps
Uranium	238-1	2184	2125	2334	2214	4.86	cps
Vanadium	51-2	327	330	410	356	13.27	cps
Yttrium	89-1	6464121	6337307	6469752	6423727	1.17	cps
Yttrium	89-2	956956	963317	983205	967826	1.41	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:37:25	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	5895	5768	5898	5853	1.27	cps
Zirconium	90-1	5143	4901	4668	4904	4.85	cps
Zirconium	91-1	1058	1275	1142	1158	9.44	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P7
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:47:13 DataFile Name : 012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	46381	46390	46615	46462	0.29	cps
Antimony	121-1	1307255	1288349	1299026	1298210	0.73	cps
Arsenic	75-2	47806	47981	48192	47993	0.40	cps
Barium	135-1	176371	170337	172574	173094	1.76	cps
Barium	137-1	309541	305791	305323	306885	0.75	cps
Beryllium	9-1	248173	247659	249510	248447	0.38	cps
Bismuth	209-1	6739709	6733805	6739981	6737832	0.05	cps
Bismuth	209-2	4096317	4096313	4094125	4095585	0.03	cps
Boron	10-1	2817	2667	2609	2698	3.98	cps
Boron	11-1	12923	12456	12239	12539	2.79	cps
Cadmium	111-1	205668	203177	202970	203938	0.74	cps
Cadmium	106-1	21392	21317	21258	21322	0.31	cps
Cadmium	108-1	13769	12752	13085	13202	3.93	cps
Calcium	43-1	48104	49116	48957	48725	1.12	cps
Calcium	44-1	786948	789358	788746	788350	0.16	cps
Chromium	52-2	207549	210324	209243	209038	0.67	cps
Cobalt	59-2	341748	341934	346508	343397	0.79	cps
Copper	63-2	239234	240111	241431	240259	0.46	cps
Dysprosium	156-1	0	33	17	17	100.00	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	33	108	133	92	56.78	cps
Erbium	164-2	57	20	77	51	56.23	cps
Gadolinium	160-1	25	42	17	28	45.82	cps
Gadolinium	160-2	117	147	110	124	15.70	cps
Holmium	165-1	9916093	9830304	9818599	9854999	0.54	cps
Holmium	165-2	5375095	5435736	5446461	5419097	0.71	cps
Indium	115-1	7327650	7277540	7302125	7302438	0.34	cps
Indium	115-2	1527568	1553326	1553817	1544903	0.97	cps
Iron	56-2	1874670	1895066	1894685	1888140	0.62	cps
Iron	57-2	47895	47327	47990	47737	0.75	cps
Krypton	83-1	270	313	280	288	7.88	cps
Lead	206-1	1316791	1298891	1293024	1302902	0.95	cps
Lead	207-1	1123338	1113940	1106271	1114516	0.77	cps
Lead	208-1	5133116	5092417	5080455	5101996	0.54	cps
Lithium	6-1	3639255	3625423	3610733	3625137	0.39	cps
Magnesium	24-2	235114	237536	238272	236974	0.70	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:47:13	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	130674	133186	132883	132248	1.04	cps
Molybdenum	94-1	483	375	458	439	12.92	cps
Molybdenum	95-1	358	425	417	400	9.08	cps
Molybdenum	96-1	533	475	475	494	6.81	cps
Molybdenum	97-1	192	292	192	225	25.66	cps
Molybdenum	98-1	542	550	608	567	6.41	cps
Neodymium	150-1	33	13	47	31	53.94	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	90430	90443	90470	90448	0.02	cps
Phosphorus	31-2	75	175	133	128	39.31	cps
Potassium	39-2	339609	344813	339622	341348	0.88	cps
Rhodium	103-1	6645472	6569449	6625519	6613480	0.60	cps
Rhodium	103-2	3203557	3240590	3254473	3232874	0.81	cps
Scandium	45-1	4900921	4877152	4915509	4897861	0.40	cps
Scandium	45-2	208938	211419	209885	210081	0.60	cps
Selenium	77-2	1530	1503	1467	1500	2.12	cps
Selenium	78-2	5019	5008	5134	5054	1.38	cps
Selenium	82-1	32425	32625	32398	32482	0.38	cps
Silicon	28-1	162137	163323	165750	163737	1.12	cps
Silver	109-1	919590	910874	913647	914704	0.49	cps
Silver	107-1	946459	942025	942055	943513	0.27	cps
Sodium	23-2	733924	739681	740144	737916	0.47	cps
Strontium	86-1	5593	5710	5785	5696	1.70	cps
Strontium	88-1	46794	47078	47212	47028	0.45	cps
Sulfur	34-1	283218	276750	277539	279169	1.26	cps
Terbium	159-1	10013043	9964865	10033960	10003956	0.35	cps
Terbium	159-2	5253038	5293784	5346895	5297906	0.89	cps
Thallium	203-1	1605235	1591135	1599348	1598573	0.44	cps
Thallium	205-1	3842050	3812425	3794143	3816206	0.63	cps
Thorium	232-1	1261	917	995	1057	17.08	cps
Tin	118-1	725	783	758	756	3.87	cps
Titanium	47-1	117	158	108	128	20.96	cps
Uranium	238-1	825	783	742	783	5.32	cps
Vanadium	51-2	164892	169895	168688	167825	1.56	cps
Yttrium	89-1	7544485	7504909	7467781	7505725	0.51	cps
Yttrium	89-2	1116218	1130550	1125814	1124194	0.65	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P7
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:47:13	DataFile Name :	012ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	79076	79263	80011	79450	0.62	cps
Zirconium	90-1	717	558	600	625	13.13	cps
Zirconium	91-1	375	492	375	414	16.28	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : LLICV01 Instrumnet Name : P7
 Client Sample ID : LLICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:55:50 DataFile Name : 013LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1733	1675	1792	1733	3.37	cps
Antimony	121-1	13457	12790	13157	13134	2.54	cps
Arsenic	75-2	285	237	209	244	15.76	cps
Barium	135-1	17395	17403	17203	17334	0.65	cps
Barium	137-1	30150	30860	29666	30225	1.99	cps
Beryllium	9-1	2506	2484	2550	2513	1.35	cps
Bismuth	209-1	6625254	6630526	6683293	6646358	0.48	cps
Bismuth	209-2	4009278	4064535	4091897	4055237	1.04	cps
Boron	10-1	12556	12189	13582	12775	5.65	cps
Boron	11-1	55193	56465	58188	56616	2.66	cps
Cadmium	111-1	4154	4274	4033	4153	2.91	cps
Cadmium	106-1	3309	3434	2984	3242	7.17	cps
Cadmium	108-1	208	150	146	168	20.79	cps
Calcium	43-1	11772	12005	11930	11902	1.00	cps
Calcium	44-1	197274	191787	192167	193743	1.58	cps
Chromium	52-2	4748	4571	4677	4665	1.91	cps
Cobalt	59-2	3627	3104	3560	3430	8.31	cps
Copper	63-2	4778	5068	5008	4951	3.09	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	33	42	17	31	41.66	cps
Erbium	164-2	7	23	27	19	56.72	cps
Gadolinium	160-1	75	25	33	44	60.28	cps
Gadolinium	160-2	137	143	143	141	2.73	cps
Holmium	165-1	9706982	9726877	9692610	9708823	0.18	cps
Holmium	165-2	5320732	5406659	5384854	5370748	0.83	cps
Indium	115-1	7254492	7273191	7349442	7292375	0.69	cps
Indium	115-2	1518348	1540176	1537722	1532082	0.78	cps
Iron	56-2	101940	102645	101733	102106	0.47	cps
Iron	57-2	2617	2550	2634	2600	1.70	cps
Krypton	83-1	290	273	307	290	5.75	cps
Lead	206-1	6719	6863	6535	6706	2.45	cps
Lead	207-1	5585	5901	5796	5761	2.80	cps
Lead	208-1	26444	26934	26294	26557	1.26	cps
Lithium	6-1	3644611	3622326	3651928	3639622	0.42	cps
Magnesium	24-2	97708	98187	96738	97544	0.76	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : LLICV01 Instrumnet Name : P7
 Client Sample ID : LLICV01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 13:55:50 DataFile Name : 013LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1420	1370	1447	1412	2.76	cps
Molybdenum	94-1	14675	13707	13816	14066	3.77	cps
Molybdenum	95-1	18120	17820	17812	17917	0.98	cps
Molybdenum	96-1	19614	19598	19923	19712	0.93	cps
Molybdenum	97-1	10955	11605	10754	11105	4.01	cps
Molybdenum	98-1	28012	27853	28329	28064	0.86	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	950	920	1007	959	4.59	cps
Phosphorus	31-2	458	283	292	344	28.66	cps
Potassium	39-2	96304	95583	94433	95440	0.99	cps
Rhodium	103-1	6616712	6591983	6634718	6614471	0.32	cps
Rhodium	103-2	3175618	3230754	3249757	3218710	1.20	cps
Scandium	45-1	4931393	4895318	4932005	4919572	0.43	cps
Scandium	45-2	208951	214195	211200	211449	1.24	cps
Selenium	77-2	33	40	50	41	20.41	cps
Selenium	78-2	161	167	172	167	3.34	cps
Selenium	82-1	872	869	849	863	1.44	cps
Silicon	28-1	210628	210357	209320	210102	0.33	cps
Silver	109-1	9687	9420	9595	9567	1.42	cps
Silver	107-1	9870	9637	10154	9887	2.62	cps
Sodium	23-2	184116	184713	185896	184908	0.49	cps
Strontium	86-1	2859	2800	2700	2786	2.87	cps
Strontium	88-1	19531	19481	20315	19775	2.37	cps
Sulfur	34-1	287948	283938	289054	286980	0.94	cps
Terbium	159-1	9860102	9943605	9918640	9907449	0.43	cps
Terbium	159-2	5185717	5259225	5279365	5241435	0.94	cps
Thallium	203-1	8186	7928	7836	7983	2.28	cps
Thallium	205-1	19181	19648	18914	19248	1.93	cps
Thorium	232-1	25264	25213	24156	24878	2.51	cps
Tin	118-1	32021	30217	30960	31066	2.92	cps
Titanium	47-1	5326	5018	5243	5196	3.07	cps
Uranium	238-1	23322	24298	23522	23714	2.18	cps
Vanadium	51-2	8636	8816	9030	8827	2.23	cps
Yttrium	89-1	7500763	7492209	7496701	7496558	0.06	cps
Yttrium	89-2	1106188	1125535	1121650	1117791	0.92	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P7
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 13:55:50	DataFile Name :	013LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	1097	1087	1280	1155	9.43	cps
Zirconium	90-1	11872	12089	11430	11797	2.85	cps
Zirconium	91-1	2859	2584	2634	2692	5.44	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P7
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:03:08 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25	17	17	19	24.73	cps
Antimony	121-1	158	183	192	178	9.76	cps
Arsenic	75-2	7	4	2	4	65.54	cps
Barium	135-1	17	42	17	25	57.73	cps
Barium	137-1	58	17	33	36	58.08	cps
Beryllium	9-1	67	56	61	61	9.09	cps
Bismuth	209-1	6583829	6574696	6585021	6581182	0.09	cps
Bismuth	209-2	4034412	4051332	4060672	4048805	0.33	cps
Boron	10-1	1175	1442	1433	1350	11.23	cps
Boron	11-1	5526	5518	5309	5451	2.25	cps
Cadmium	111-1	2174	2177	2134	2161	1.11	cps
Cadmium	106-1	3109	3084	3050	3081	0.95	cps
Cadmium	108-1	21	4	8	11	78.05	cps
Calcium	43-1	100	67	75	81	21.53	cps
Calcium	44-1	4526	4576	4376	4493	2.32	cps
Chromium	52-2	550	497	523	523	5.10	cps
Cobalt	59-2	30	33	30	31	6.18	cps
Copper	63-2	147	130	143	140	6.30	cps
Dysprosium	156-1	8	8	17	11	43.34	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	58	33	25	39	44.62	cps
Erbium	164-2	17	23	20	20	16.65	cps
Gadolinium	160-1	33	42	25	33	25.01	cps
Gadolinium	160-2	120	107	157	128	20.26	cps
Holmium	165-1	9688444	9671922	9704598	9688321	0.17	cps
Holmium	165-2	5328692	5347739	5369710	5348714	0.38	cps
Indium	115-1	7251537	7290551	7269901	7270663	0.27	cps
Indium	115-2	1530232	1549226	1554531	1544663	0.83	cps
Iron	56-2	3378	3300	3467	3382	2.47	cps
Iron	57-2	122	78	117	106	22.94	cps
Krypton	83-1	267	350	307	308	13.54	cps
Lead	206-1	500	594	594	563	9.69	cps
Lead	207-1	528	439	433	467	11.36	cps
Lead	208-1	2217	2056	2228	2167	4.45	cps
Lithium	6-1	3650982	3633878	3597546	3627469	0.75	cps
Magnesium	24-2	167	192	183	181	7.05	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P7
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:03:08 DataFile Name : 014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	40	33	60	44	31.23	cps
Molybdenum	94-1	150	233	225	203	22.63	cps
Molybdenum	95-1	100	67	75	81	21.54	cps
Molybdenum	96-1	242	133	117	164	41.41	cps
Molybdenum	97-1	58	58	117	78	43.30	cps
Molybdenum	98-1	100	92	67	86	20.15	cps
Neodymium	150-1	13	7	0	7	99.98	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	33	37	33	34	5.60	cps
Phosphorus	31-2	83	108	133	108	23.08	cps
Potassium	39-2	13048	13398	13824	13423	2.89	cps
Rhodium	103-1	6630724	6676472	6649875	6652357	0.35	cps
Rhodium	103-2	3230066	3273311	3260366	3254581	0.68	cps
Scandium	45-1	4948536	4962159	4967844	4959513	0.20	cps
Scandium	45-2	211132	211734	213130	211998	0.48	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	41	43	43	42	2.54	cps
Selenium	82-1	38	-70	-9	-14	-399.93	cps
Silicon	28-1	161706	162144	160585	161478	0.50	cps
Silver	109-1	75	92	108	92	18.18	cps
Silver	107-1	100	92	117	103	12.38	cps
Sodium	23-2	7719	7819	7719	7752	0.74	cps
Strontium	86-1	433	500	500	478	8.06	cps
Strontium	88-1	142	100	92	111	24.11	cps
Sulfur	34-1	289535	293155	293333	292008	0.73	cps
Terbium	159-1	9870544	9857255	9846418	9858072	0.12	cps
Terbium	159-2	5229151	5221435	5242703	5231096	0.21	cps
Thallium	203-1	342	367	367	358	4.03	cps
Thallium	205-1	742	875	767	795	8.92	cps
Thorium	232-1	217	300	272	263	16.13	cps
Tin	118-1	517	550	508	525	4.20	cps
Titanium	47-1	42	42	42	42	0.00	cps
Uranium	238-1	25	33	67	42	52.92	cps
Vanadium	51-2	0	7	3	3	100.05	cps
Yttrium	89-1	7493887	7489806	7544199	7509298	0.40	cps
Yttrium	89-2	1127786	1129497	1133894	1130392	0.28	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P7
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:03:08	DataFile Name :	014CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	347	327	320	331	4.19	cps
Zirconium	90-1	442	383	542	456	17.58	cps
Zirconium	91-1	58	125	100	94	35.66	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P7
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:06:43 DataFile Name : 015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6996512	7011965	7051258	7019912	0.40	cps
Antimony	121-1	6827	6919	6460	6735	3.60	cps
Arsenic	75-2	67	50	61	59	14.32	cps
Barium	135-1	2117	2317	2509	2314	8.46	cps
Barium	137-1	4226	4243	4593	4354	4.76	cps
Beryllium	9-1	639	600	717	652	9.11	cps
Bismuth	209-1	5915119	5936646	6006354	5952706	0.80	cps
Bismuth	209-2	3566350	3647202	3649918	3621156	1.31	cps
Boron	10-1	1283	1308	1308	1300	1.11	cps
Boron	11-1	5151	5234	5451	5279	2.93	cps
Cadmium	111-1	2975	2848	2427	2750	10.44	cps
Cadmium	106-1	2609	2600	2359	2523	5.63	cps
Cadmium	108-1	2092	1913	2113	2039	5.39	cps
Calcium	43-1	2161584	2184787	2175983	2174118	0.54	cps
Calcium	44-1	34470446	35201872	35402319	35024879	1.40	cps
Chromium	52-2	37478	37722	38497	37899	1.40	cps
Cobalt	59-2	3454	3567	4007	3676	7.95	cps
Copper	63-2	15572	15802	15375	15583	1.37	cps
Dysprosium	156-1	33	67	58	53	32.88	cps
Dysprosium	156-2	27	17	23	22	22.91	cps
Erbium	164-1	42	67	42	50	28.87	cps
Erbium	164-2	37	23	30	30	22.23	cps
Gadolinium	160-1	67	100	92	86	20.14	cps
Gadolinium	160-2	160	113	170	148	20.46	cps
Holmium	165-1	9339215	9467798	9523003	9443338	1.00	cps
Holmium	165-2	5151621	5233420	5248571	5211204	1.00	cps
Indium	115-1	6416940	6526488	6545579	6496336	1.07	cps
Indium	115-2	1349669	1372301	1375330	1365766	1.03	cps
Iron	56-2	160390498	161216270	163128981	161578583	0.87	cps
Iron	57-2	4014959	4080566	4099617	4065047	1.09	cps
Krypton	83-1	280	260	240	260	7.69	cps
Lead	206-1	29634	30519	30285	30146	1.52	cps
Lead	207-1	23532	23733	23237	23501	1.06	cps
Lead	208-1	111444	112072	112738	112085	0.58	cps
Lithium	6-1	3312862	3305337	3313670	3310623	0.14	cps
Magnesium	24-2	17029982	17125658	17146200	17100613	0.36	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P7
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:06:43 DataFile Name : 015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	9293	9837	10014	9714	3.87	cps
Molybdenum	94-1	3519276	3520614	3559425	3533105	0.65	cps
Molybdenum	95-1	6240135	6340196	6335354	6305228	0.89	cps
Molybdenum	96-1	6634810	6710055	6772248	6705704	1.03	cps
Molybdenum	97-1	3844366	3843814	3879533	3855904	0.53	cps
Molybdenum	98-1	9994433	10109785	10185952	10096723	0.96	cps
Neodymium	150-1	27	20	27	24	15.75	cps
Neodymium	150-2	7	10	20	12	56.76	cps
Nickel	60-2	4184	4134	4301	4206	2.03	cps
Phosphorus	31-2	393321	397158	398306	396262	0.66	cps
Potassium	39-2	14673296	14876396	14883103	14810932	0.81	cps
Rhodium	103-1	5531350	5599242	5622220	5584270	0.85	cps
Rhodium	103-2	2702820	2744985	2764986	2737597	1.16	cps
Scandium	45-1	4283101	4335144	4371333	4329859	1.02	cps
Scandium	45-2	186651	191034	190362	189349	1.25	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	41	67	48	52	25.76	cps
Selenium	82-1	58	61	95	71	28.36	cps
Silicon	28-1	252673	252532	252929	252711	0.08	cps
Silver	109-1	558	425	458	481	14.44	cps
Silver	107-1	467	533	442	481	9.86	cps
Sodium	23-2	32216564	32866365	32380058	32487663	1.04	cps
Strontium	86-1	72182	75297	74645	74041	2.22	cps
Strontium	88-1	638590	642877	641595	641021	0.34	cps
Sulfur	34-1	4049781	4088047	4082260	4073363	0.51	cps
Terbium	159-1	9454469	9553727	9612515	9540237	0.84	cps
Terbium	159-2	4960232	5072980	5111111	5048107	1.55	cps
Thallium	203-1	833	900	1017	917	10.12	cps
Thallium	205-1	1984	2459	2559	2334	13.17	cps
Thorium	232-1	394	461	422	426	7.86	cps
Tin	118-1	1725	1709	1525	1653	6.71	cps
Titanium	47-1	1915298	1920111	1925646	1920352	0.27	cps
Uranium	238-1	417	492	475	461	8.54	cps
Vanadium	51-2	267	250	317	278	12.49	cps
Yttrium	89-1	6754321	6809093	6858298	6807237	0.76	cps
Yttrium	89-2	1008447	1024765	1031537	1021583	1.16	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P7
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:06:43	DataFile Name :	015ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	4544	4384	4431	4453	1.85	cps
Zirconium	90-1	650	650	692	664	3.62	cps
Zirconium	91-1	100	142	83	108	27.73	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P7
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:10:18 DataFile Name : 016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7032060	7068986	7189463	7096836	1.16	cps
Antimony	121-1	131461	131301	131344	131368	0.06	cps
Arsenic	75-2	4115	4308	4328	4251	2.77	cps
Barium	135-1	37017	36374	36382	36591	1.01	cps
Barium	137-1	64525	64425	65815	64922	1.19	cps
Beryllium	9-1	45725	45474	45301	45500	0.47	cps
Bismuth	209-1	6030664	6119599	6150411	6100225	1.02	cps
Bismuth	209-2	3622047	3682634	3707246	3670642	1.19	cps
Boron	10-1	29638	31032	32636	31102	4.82	cps
Boron	11-1	137758	137916	137016	137563	0.35	cps
Cadmium	111-1	38531	37782	38731	38348	1.30	cps
Cadmium	106-1	5918	5660	5685	5754	2.48	cps
Cadmium	108-1	4063	4380	4559	4334	5.80	cps
Calcium	43-1	2204825	2206881	2217078	2209595	0.30	cps
Calcium	44-1	35330323	35735200	36026409	35697311	0.98	cps
Chromium	52-2	75643	76665	77067	76458	0.96	cps
Cobalt	59-2	63262	65017	65003	64427	1.57	cps
Copper	63-2	55552	56800	57606	56653	1.83	cps
Dysprosium	156-1	33	50	33	39	24.75	cps
Dysprosium	156-2	33	30	30	31	6.18	cps
Erbium	164-1	92	58	42	64	39.85	cps
Erbium	164-2	20	20	43	28	48.49	cps
Gadolinium	160-1	83	58	50	64	27.15	cps
Gadolinium	160-2	133	160	150	148	9.11	cps
Holmium	165-1	9561796	9811216	9794133	9722382	1.43	cps
Holmium	165-2	5189447	5308366	5354408	5284074	1.61	cps
Indium	115-1	6580803	6676641	6729872	6662439	1.13	cps
Indium	115-2	1364166	1392368	1406960	1387831	1.57	cps
Iron	56-2	162237337	163557209	165059493	163618013	0.86	cps
Iron	57-2	4077114	4087996	4173529	4112879	1.28	cps
Krypton	83-1	260	257	210	242	11.54	cps
Lead	206-1	156014	157729	156935	156893	0.55	cps
Lead	207-1	128437	128795	128583	128605	0.14	cps
Lead	208-1	597183	601101	599122	599135	0.33	cps
Lithium	6-1	3279867	3328732	3332322	3313640	0.88	cps
Magnesium	24-2	17112746	17313114	17473874	17299911	1.05	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:10:18	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	33756	33619	34030	33801	0.62	cps
Molybdenum	94-1	3718460	3733937	3717999	3723465	0.24	cps
Molybdenum	95-1	6622750	6680182	6710448	6671127	0.67	cps
Molybdenum	96-1	7023289	7099307	7125270	7082622	0.75	cps
Molybdenum	97-1	4026486	4046865	4077679	4050343	0.64	cps
Molybdenum	98-1	10579003	10714397	10774871	10689424	0.94	cps
Neodymium	150-1	47	53	53	51	7.53	cps
Neodymium	150-2	20	27	27	24	15.75	cps
Nickel	60-2	18939	19460	19600	19333	1.80	cps
Phosphorus	31-2	390660	397725	404781	397722	1.78	cps
Potassium	39-2	14903722	15120407	15178282	15067470	0.96	cps
Rhodium	103-1	5658469	5728371	5760688	5715843	0.91	cps
Rhodium	103-2	2770352	2797219	2812400	2793324	0.76	cps
Scandium	45-1	4410292	4447535	4484253	4447360	0.83	cps
Scandium	45-2	191291	192753	194589	192878	0.86	cps
Selenium	77-2	133	120	130	128	5.43	cps
Selenium	78-2	417	431	463	437	5.41	cps
Selenium	82-1	2934	2998	2952	2961	1.11	cps
Silicon	28-1	589772	594550	598575	594299	0.74	cps
Silver	109-1	155648	154881	157290	155940	0.79	cps
Silver	107-1	162092	160498	163270	161953	0.86	cps
Sodium	23-2	32367226	33117240	32998969	32827812	1.23	cps
Strontium	86-1	74460	76721	76563	75915	1.66	cps
Strontium	88-1	658556	658963	662917	660146	0.36	cps
Sulfur	34-1	4105768	4123848	4129165	4119594	0.30	cps
Terbium	159-1	9669474	9815585	9864077	9783045	1.04	cps
Terbium	159-2	5082236	5142706	5161441	5128794	0.81	cps
Thallium	203-1	154781	157150	155793	155908	0.76	cps
Thallium	205-1	371081	376017	375919	374339	0.75	cps
Thorium	232-1	361	344	361	356	2.71	cps
Tin	118-1	385279	383462	384945	384562	0.25	cps
Titanium	47-1	1989821	2019982	2027527	2012443	0.99	cps
Uranium	238-1	650	467	400	506	25.61	cps
Vanadium	51-2	30612	30866	30622	30700	0.47	cps
Yttrium	89-1	6937962	7012225	7065297	7005161	0.91	cps
Yttrium	89-2	1023436	1036335	1054059	1037943	1.48	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P7
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:10:18	DataFile Name :	016ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	11161	11295	11381	11279	0.98	cps
Zirconium	90-1	708	700	658	689	3.89	cps
Zirconium	91-1	142	200	150	164	19.25	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV45	Instrumnet Name :	P7
Client Sample ID :	CCV45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:13:53	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4209049	4163330	4186021	4186134	0.55	cps
Antimony	121-1	3157755	3136343	3116170	3136756	0.66	cps
Arsenic	75-2	104160	103261	103949	103790	0.45	cps
Barium	135-1	4370923	4299642	4297751	4322772	0.96	cps
Barium	137-1	7742401	7692576	7695387	7710121	0.36	cps
Beryllium	9-1	1141291	1134658	1125363	1133771	0.71	cps
Bismuth	209-1	5832767	5762311	5585377	5726819	2.23	cps
Bismuth	209-2	3432309	3486594	3577568	3498824	2.10	cps
Boron	10-1	215583	217011	217502	216699	0.46	cps
Boron	11-1	937927	951991	956647	948855	1.03	cps
Cadmium	111-1	1029816	1015421	1012600	1019279	0.91	cps
Cadmium	106-1	118147	116955	114787	116630	1.46	cps
Cadmium	108-1	78386	77494	77045	77642	0.88	cps
Calcium	43-1	5776877	5746686	5650941	5724835	1.15	cps
Calcium	44-1	93066963	92733990	91044067	92281673	1.18	cps
Chromium	52-2	983746	986904	988820	986490	0.26	cps
Cobalt	59-2	1518600	1527013	1526700	1524104	0.31	cps
Copper	63-2	2042156	2057231	2055584	2051657	0.40	cps
Dysprosium	156-1	167	75	117	119	38.43	cps
Dysprosium	156-2	83	90	93	89	5.73	cps
Erbium	164-1	100	42	50	64	49.38	cps
Erbium	164-2	17	23	20	20	16.65	cps
Gadolinium	160-1	100	42	58	67	45.07	cps
Gadolinium	160-2	140	203	190	178	18.78	cps
Holmium	165-1	9745538	9613766	9559903	9639736	0.99	cps
Holmium	165-2	5140743	5230408	5324563	5231905	1.76	cps
Indium	115-1	6509879	6471461	6430407	6470582	0.61	cps
Indium	115-2	1331786	1352573	1367925	1350762	1.34	cps
Iron	56-2	206948521	208168510	208045294	207720775	0.32	cps
Iron	57-2	5232223	5239356	5219829	5230469	0.19	cps
Krypton	83-1	230	270	270	257	9.00	cps
Lead	206-1	3091846	3054904	3036895	3061215	0.92	cps
Lead	207-1	2779629	2718210	2716130	2737990	1.32	cps
Lead	208-1	12588914	12325230	12353753	12422632	1.16	cps
Lithium	6-1	3251641	3272336	3233666	3252548	0.59	cps
Magnesium	24-2	44018560	43721446	43912954	43884320	0.34	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : CCV45 Instrumnet Name : P7
 Client Sample ID : CCV45 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:13:53 DataFile Name : 017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1249121	1252957	1249815	1250631	0.16	cps
Molybdenum	94-1	7131199	6995006	6985101	7037102	1.16	cps
Molybdenum	95-1	8641745	8553023	8526560	8573776	0.70	cps
Molybdenum	96-1	9564381	9475720	9475281	9505128	0.54	cps
Molybdenum	97-1	5423011	5381044	5194596	5332884	2.28	cps
Molybdenum	98-1	13897465	13709287	13690398	13765717	0.83	cps
Neodymium	150-1	573	513	527	538	5.86	cps
Neodymium	150-2	50	87	77	71	26.66	cps
Nickel	60-2	381133	381648	382057	381613	0.12	cps
Phosphorus	31-2	41041	42846	42094	41993	2.16	cps
Potassium	39-2	19524031	19312980	19437979	19424996	0.55	cps
Rhodium	103-1	5575174	5519079	5470118	5521457	0.95	cps
Rhodium	103-2	2625871	2663382	2710995	2666749	1.60	cps
Scandium	45-1	4450263	4442795	4402534	4431864	0.58	cps
Scandium	45-2	190896	189965	196575	192479	1.86	cps
Selenium	77-2	3277	3330	3347	3318	1.10	cps
Selenium	78-2	11041	11379	11258	11226	1.52	cps
Selenium	82-1	73791	72789	73003	73194	0.72	cps
Silicon	28-1	3273259	3331448	3370071	3324926	1.47	cps
Silver	109-1	4240095	4152202	4121776	4171357	1.47	cps
Silver	107-1	4366106	4293676	4280780	4313521	1.07	cps
Sodium	23-2	83746519	83197608	83853600	83599242	0.42	cps
Strontium	86-1	1153416	1135842	1139164	1142807	0.82	cps
Strontium	88-1	10075995	9996722	10003120	10025279	0.44	cps
Sulfur	34-1	702125	697558	688808	696163	0.97	cps
Terbium	159-1	9744107	9670518	9609445	9674690	0.70	cps
Terbium	159-2	4959906	5073438	5145766	5059704	1.85	cps
Thallium	203-1	3848978	3765763	3736839	3783860	1.54	cps
Thallium	205-1	9283209	9174738	9174625	9210857	0.68	cps
Thorium	232-1	14198020	14392702	14100347	14230356	1.05	cps
Tin	118-1	2978613	2903368	2899206	2927062	1.53	cps
Titanium	47-1	2553850	2504768	2495128	2517916	1.25	cps
Uranium	238-1	13605803	13699629	13664060	13656497	0.35	cps
Vanadium	51-2	801084	803938	798084	801035	0.37	cps
Yttrium	89-1	6983907	6911478	6867615	6921000	0.85	cps
Yttrium	89-2	1012746	1026532	1045270	1028183	1.59	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV45	Instrumnet Name :	P7
Client Sample ID :	CCV45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:13:53	DataFile Name :	017CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	351059	351672	351991	351574	0.13	cps
Zirconium	90-1	5985762	5926493	5876579	5929611	0.92	cps
Zirconium	91-1	1328470	1297286	1299083	1308280	1.34	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : CCB45 Instrumnet Name : P7
 Client Sample ID : CCB45 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:18:43 DataFile Name : 018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	400	467	375	414	11.45	cps
Antimony	121-1	917	708	892	839	13.56	cps
Arsenic	75-2	13	13	9	12	18.22	cps
Barium	135-1	192	225	317	244	26.48	cps
Barium	137-1	325	475	475	425	20.38	cps
Beryllium	9-1	172	167	172	170	1.88	cps
Bismuth	209-1	6590679	6655167	6640387	6628744	0.51	cps
Bismuth	209-2	3935019	4020489	4045307	4000272	1.45	cps
Boron	10-1	3125	3225	3175	3175	1.58	cps
Boron	11-1	15325	14241	13523	14363	6.32	cps
Cadmium	111-1	2301	2183	2271	2252	2.71	cps
Cadmium	106-1	3167	3000	3100	3089	2.72	cps
Cadmium	108-1	29	13	17	19	44.61	cps
Calcium	43-1	450	458	475	461	2.76	cps
Calcium	44-1	8970	9812	10221	9668	6.60	cps
Chromium	52-2	657	620	650	642	3.04	cps
Cobalt	59-2	200	150	180	177	14.25	cps
Copper	63-2	350	347	353	350	0.95	cps
Dysprosium	156-1	8	8	8	8	0.00	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	8	50	25	28	75.51	cps
Erbium	164-2	20	20	17	19	10.18	cps
Gadolinium	160-1	58	8	33	33	75.02	cps
Gadolinium	160-2	173	133	177	161	14.97	cps
Holmium	165-1	9620249	9627977	9626566	9624930	0.04	cps
Holmium	165-2	5190011	5283237	5306618	5259956	1.17	cps
Indium	115-1	7034924	7110443	7069573	7071647	0.53	cps
Indium	115-2	1466429	1486799	1493496	1482242	0.95	cps
Iron	56-2	21589	22863	22457	22303	2.92	cps
Iron	57-2	550	583	567	567	2.94	cps
Krypton	83-1	250	300	320	290	12.43	cps
Lead	206-1	750	922	911	861	11.19	cps
Lead	207-1	689	689	756	711	5.41	cps
Lead	208-1	3278	3311	3561	3384	4.58	cps
Lithium	6-1	3513665	3555329	3494006	3521000	0.89	cps
Magnesium	24-2	4001	3959	3842	3934	2.09	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB45	Instrumnet Name :	P7
Client Sample ID :	CCB45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:18:43	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	153	157	107	139	20.13	cps
Molybdenum	94-1	1100	1150	1267	1172	7.30	cps
Molybdenum	95-1	1383	1175	1192	1250	9.26	cps
Molybdenum	96-1	1475	1450	1375	1433	3.63	cps
Molybdenum	97-1	950	867	750	856	11.74	cps
Molybdenum	98-1	2225	1900	1992	2039	8.22	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	77	43	50	57	31.13	cps
Phosphorus	31-2	92	167	133	131	28.78	cps
Potassium	39-2	14074	14691	14908	14558	2.97	cps
Rhodium	103-1	6360524	6343426	6322583	6342178	0.30	cps
Rhodium	103-2	3068458	3104146	3141854	3104820	1.18	cps
Scandium	45-1	4649967	4702642	4693582	4682063	0.60	cps
Scandium	45-2	199588	200464	203089	201047	0.91	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	33	43	26	34	24.59	cps
Selenium	82-1	56	-30	18	15	287.96	cps
Silicon	28-1	152218	151233	151736	151729	0.32	cps
Silver	109-1	392	475	625	497	23.78	cps
Silver	107-1	467	508	550	508	8.20	cps
Sodium	23-2	21266	21132	20990	21129	0.65	cps
Strontium	86-1	550	542	550	547	0.88	cps
Strontium	88-1	525	708	783	672	19.77	cps
Sulfur	34-1	257659	258250	257487	257799	0.16	cps
Terbium	159-1	9740014	9786595	9781255	9769288	0.26	cps
Terbium	159-2	5091496	5135066	5152063	5126208	0.61	cps
Thallium	203-1	1033	958	950	981	4.68	cps
Thallium	205-1	2017	2384	2117	2173	8.73	cps
Thorium	232-1	2884	2595	2484	2654	7.78	cps
Tin	118-1	908	908	883	900	1.60	cps
Titanium	47-1	258	317	233	269	15.87	cps
Uranium	238-1	683	842	942	822	15.84	cps
Vanadium	51-2	87	77	97	87	11.54	cps
Yttrium	89-1	7182015	7201704	7185240	7189653	0.15	cps
Yttrium	89-2	1062803	1074184	1089053	1075347	1.22	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB45	Instrumnet Name :	P7
Client Sample ID :	CCB45	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:18:43	DataFile Name :	018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	267	340	357	321	14.91	cps
Zirconium	90-1	908	1150	1042	1033	11.72	cps
Zirconium	91-1	150	300	200	217	35.25	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:22:17	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1642	1784	1742	1722	4.23	cps
Antimony	121-1	11805	12698	13566	12690	6.94	cps
Arsenic	75-2	187	211	250	216	14.70	cps
Barium	135-1	17120	16994	16869	16994	0.74	cps
Barium	137-1	30100	30526	30200	30276	0.74	cps
Beryllium	9-1	2650	2361	2689	2567	6.98	cps
Bismuth	209-1	6629995	6600923	6612967	6614628	0.22	cps
Bismuth	209-2	3903954	3998331	4029074	3977120	1.64	cps
Boron	10-1	13081	12873	13014	12989	0.82	cps
Boron	11-1	56615	57736	58314	57555	1.50	cps
Cadmium	111-1	4358	4014	3978	4117	5.10	cps
Cadmium	106-1	3434	3192	3251	3292	3.83	cps
Cadmium	108-1	167	208	133	169	22.18	cps
Calcium	43-1	11313	11380	11972	11555	3.14	cps
Calcium	44-1	191727	188394	191009	190376	0.92	cps
Chromium	52-2	4484	4731	4554	4590	2.77	cps
Cobalt	59-2	3430	3420	3077	3309	6.08	cps
Copper	63-2	4774	4581	4894	4750	3.33	cps
Dysprosium	156-1	0	0	8	3	173.21	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	42	25	25	31	31.50	cps
Erbium	164-2	17	17	20	18	10.81	cps
Gadolinium	160-1	25	25	33	28	17.31	cps
Gadolinium	160-2	157	203	180	180	12.96	cps
Holmium	165-1	9717078	9692519	9653341	9687646	0.33	cps
Holmium	165-2	5188309	5309817	5350968	5283031	1.60	cps
Indium	115-1	7206070	7103144	7076535	7128583	0.96	cps
Indium	115-2	1469195	1500039	1516231	1495155	1.60	cps
Iron	56-2	99574	100156	100368	100033	0.41	cps
Iron	57-2	2556	2728	2545	2610	3.94	cps
Krypton	83-1	287	243	280	270	8.64	cps
Lead	206-1	6763	6813	6574	6717	1.88	cps
Lead	207-1	5640	5746	5896	5761	2.23	cps
Lead	208-1	26645	27039	27034	26906	0.84	cps
Lithium	6-1	3578497	3527901	3542990	3549796	0.73	cps
Magnesium	24-2	95042	95646	96567	95752	0.80	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:22:17	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1400	1427	1440	1422	1.43	cps
Molybdenum	94-1	15192	14833	14717	14914	1.66	cps
Molybdenum	95-1	17929	17703	17778	17803	0.64	cps
Molybdenum	96-1	19439	18663	19305	19136	2.17	cps
Molybdenum	97-1	11597	10579	11689	11288	5.45	cps
Molybdenum	98-1	28488	27628	28279	28131	1.59	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	897	897	910	901	0.85	cps
Phosphorus	31-2	325	325	333	328	1.47	cps
Potassium	39-2	91263	91842	91666	91590	0.32	cps
Rhodium	103-1	6472752	6454415	6416762	6447976	0.44	cps
Rhodium	103-2	3084962	3143726	3192368	3140352	1.71	cps
Scandium	45-1	4797356	4787545	4771871	4785591	0.27	cps
Scandium	45-2	201031	205224	206644	204300	1.43	cps
Selenium	77-2	40	33	37	37	9.10	cps
Selenium	78-2	167	194	183	181	7.70	cps
Selenium	82-1	820	832	888	847	4.30	cps
Silicon	28-1	200368	202462	199802	200877	0.70	cps
Silver	109-1	9145	9462	9279	9295	1.71	cps
Silver	107-1	10404	10112	9929	10148	2.36	cps
Sodium	23-2	186437	183416	187011	185621	1.04	cps
Strontium	86-1	2492	2600	2725	2606	4.48	cps
Strontium	88-1	19389	18738	18613	18913	2.20	cps
Sulfur	34-1	278488	274749	278811	277350	0.81	cps
Terbium	159-1	9920289	9851422	9793011	9854907	0.65	cps
Terbium	159-2	5065258	5202135	5193237	5153543	1.49	cps
Thallium	203-1	8119	8195	7578	7964	4.23	cps
Thallium	205-1	19924	18322	18981	19076	4.22	cps
Thorium	232-1	25637	24657	24858	25051	2.07	cps
Tin	118-1	30258	30150	29373	29927	1.61	cps
Titanium	47-1	5301	5660	5151	5371	4.86	cps
Uranium	238-1	23923	23397	24199	23840	1.71	cps
Vanadium	51-2	8853	8439	8606	8633	2.41	cps
Yttrium	89-1	7325310	7285849	7290340	7300500	0.30	cps
Yttrium	89-2	1081367	1094786	1105580	1093911	1.11	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:22:17	DataFile Name :	019LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	1083	1070	1020	1058	3.16	cps
Zirconium	90-1	12122	11672	12598	12131	3.82	cps
Zirconium	91-1	2509	2792	2692	2664	5.40	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-B	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:25:51	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4138633	4199724	4170023	4169460	0.73	cps
Antimony	121-1	3125	2884	3042	3017	4.07	cps
Arsenic	75-2	7218	7065	7383	7222	2.21	cps
Barium	135-1	623988	615729	617236	618984	0.71	cps
Barium	137-1	1091960	1080003	1088485	1086816	0.57	cps
Beryllium	9-1	11594	10899	11232	11241	3.09	cps
Bismuth	209-1	6036993	6049378	6239778	6108716	1.86	cps
Bismuth	209-2	3655996	3745967	3762073	3721345	1.54	cps
Boron	10-1	12280	12097	12022	12133	1.10	cps
Boron	11-1	51940	53462	52392	52598	1.49	cps
Cadmium	111-1	6742	6679	6672	6698	0.57	cps
Cadmium	106-1	5943	5693	5668	5768	2.64	cps
Cadmium	108-1	1021	979	1000	1000	2.08	cps
Calcium	43-1	2174147	2165993	2174210	2171450	0.22	cps
Calcium	44-1	35102276	35062149	34939063	35034496	0.24	cps
Chromium	52-2	486493	492975	493988	491152	0.83	cps
Cobalt	59-2	244652	251929	248754	248445	1.47	cps
Copper	63-2	345111	350166	348418	347898	0.74	cps
Dysprosium	156-1	151587	147872	148100	149186	1.40	cps
Dysprosium	156-2	80048	80692	79776	80172	0.59	cps
Erbium	164-1	124001	123706	123387	123698	0.25	cps
Erbium	164-2	66705	68383	68637	67909	1.55	cps
Gadolinium	160-1	127490	128221	131375	129029	1.60	cps
Gadolinium	160-2	79545	79767	79445	79586	0.21	cps
Holmium	165-1	9449853	9490981	9723633	9554822	1.55	cps
Holmium	165-2	5172025	5272614	5292796	5245812	1.23	cps
Indium	115-1	6725635	6674196	6830454	6743428	1.18	cps
Indium	115-2	1391584	1416164	1411622	1406457	0.93	cps
Iron	56-2	201354438	202487938	202759049	202200475	0.37	cps
Iron	57-2	5066681	5060472	5042236	5056463	0.25	cps
Krypton	83-1	460	483	463	469	2.69	cps
Lead	206-1	1278698	1278943	1281569	1279737	0.12	cps
Lead	207-1	1060391	1053237	1053934	1055854	0.37	cps
Lead	208-1	4919097	4915238	4909314	4914550	0.10	cps
Lithium	6-1	3483085	3450157	3534342	3489195	1.22	cps
Magnesium	24-2	5812570	5810615	5788245	5803810	0.23	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-B	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:25:51	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2146280	2189123	2195619	2177007	1.23	cps
Molybdenum	94-1	176648	179159	178966	178258	0.78	cps
Molybdenum	95-1	14124	13524	13540	13729	2.49	cps
Molybdenum	96-1	47195	48099	46903	47399	1.32	cps
Molybdenum	97-1	9103	8478	8653	8745	3.69	cps
Molybdenum	98-1	22343	22085	21717	22048	1.43	cps
Neodymium	150-1	211849	213217	208810	211292	1.07	cps
Neodymium	150-2	90508	92138	93409	92018	1.58	cps
Nickel	60-2	522116	529771	528339	526742	0.77	cps
Phosphorus	31-2	11380	11788	11655	11608	1.80	cps
Potassium	39-2	1553934	1567687	1564223	1561948	0.46	cps
Rhodium	103-1	5800409	5859152	5958227	5872596	1.36	cps
Rhodium	103-2	2824453	2896850	2874362	2865222	1.29	cps
Scandium	45-1	4858317	4898783	4976759	4911286	1.23	cps
Scandium	45-2	207834	212038	210989	210287	1.04	cps
Selenium	77-2	310	303	340	318	6.15	cps
Selenium	78-2	239	270	293	267	10.10	cps
Selenium	82-1	310	343	337	330	5.20	cps
Silicon	28-1	25783193	25782730	26487427	26017783	1.56	cps
Silver	109-1	5001	5043	4901	4982	1.46	cps
Silver	107-1	5526	5543	5751	5607	2.24	cps
Sodium	23-2	347565	345522	346671	346586	0.30	cps
Strontium	86-1	456089	458380	452005	455491	0.71	cps
Strontium	88-1	3976870	3920176	3903876	3933641	0.97	cps
Sulfur	34-1	562087	551932	552958	555659	1.01	cps
Terbium	159-1	9575296	9616358	9818243	9669965	1.34	cps
Terbium	159-2	5016463	5125499	5127897	5089953	1.25	cps
Thallium	203-1	11289	11664	11797	11583	2.28	cps
Thallium	205-1	28339	27880	28064	28094	0.82	cps
Thorium	232-1	676926	669346	669070	671781	0.66	cps
Tin	118-1	23111	23679	23186	23326	1.32	cps
Titanium	47-1	2188643	2160596	2142808	2164016	1.07	cps
Uranium	238-1	184705	183751	182143	183533	0.71	cps
Vanadium	51-2	266868	268833	270466	268723	0.67	cps
Yttrium	89-1	8415920	8426538	8569927	8470795	1.02	cps
Yttrium	89-2	1240457	1270019	1262731	1257736	1.22	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-B	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:25:51	DataFile Name :	020SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	402783	410694	407476	406984	0.98	cps
Zirconium	90-1	463920	461539	460896	462118	0.34	cps
Zirconium	91-1	104118	105327	104479	104641	0.59	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04DUP Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BDUI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:29:27 DataFile Name : 021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4169628	4198249	4267707	4211861	1.20	cps
Antimony	121-1	1934	2167	2309	2136	8.87	cps
Arsenic	75-2	7274	7508	7306	7362	1.72	cps
Barium	135-1	641673	643437	642145	642418	0.14	cps
Barium	137-1	1129618	1126274	1128264	1128052	0.15	cps
Beryllium	9-1	9714	9659	9642	9672	0.39	cps
Bismuth	209-1	6142159	6226578	6140924	6169887	0.80	cps
Bismuth	209-2	3731716	3739649	3797652	3756339	0.96	cps
Boron	10-1	11488	12205	12205	11966	3.46	cps
Boron	11-1	52392	53362	52425	52726	1.04	cps
Cadmium	111-1	5737	5409	5886	5677	4.30	cps
Cadmium	106-1	5468	5360	5860	5562	4.73	cps
Cadmium	108-1	946	913	933	931	1.81	cps
Calcium	43-1	2240519	2216130	2235924	2230858	0.58	cps
Calcium	44-1	36049924	35958420	36208877	36072407	0.35	cps
Chromium	52-2	499060	499973	507967	502333	0.98	cps
Cobalt	59-2	252246	253725	254238	253403	0.41	cps
Copper	63-2	360736	362564	367640	363647	0.98	cps
Dysprosium	156-1	152278	151133	153330	152247	0.72	cps
Dysprosium	156-2	79793	81925	82455	81391	1.73	cps
Erbium	164-1	129787	128063	129795	129215	0.77	cps
Erbium	164-2	68474	68896	69813	69061	0.99	cps
Gadolinium	160-1	134429	130627	133099	132718	1.45	cps
Gadolinium	160-2	79706	81768	81896	81124	1.51	cps
Holmium	165-1	9603239	9733673	9583957	9640290	0.84	cps
Holmium	165-2	5251163	5285153	5333615	5289977	0.78	cps
Indium	115-1	6759351	6821961	6765630	6782314	0.51	cps
Indium	115-2	1419732	1427529	1436111	1427791	0.57	cps
Iron	56-2	206888832	205141371	208517788	206849331	0.82	cps
Iron	57-2	5167998	5131906	5197319	5165741	0.63	cps
Krypton	83-1	393	510	463	456	12.89	cps
Lead	206-1	1343925	1328953	1338093	1336990	0.56	cps
Lead	207-1	1106835	1091777	1106856	1101823	0.79	cps
Lead	208-1	5161164	5075368	5134940	5123824	0.86	cps
Lithium	6-1	3484956	3511569	3490174	3495567	0.40	cps
Magnesium	24-2	5864382	5898978	5934993	5899451	0.60	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04DUP Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BDUI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:29:27 DataFile Name : 021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2194297	2197705	2234857	2208953	1.02	cps
Molybdenum	94-1	185650	183336	186112	185033	0.80	cps
Molybdenum	95-1	16235	15809	15759	15934	1.64	cps
Molybdenum	96-1	52565	49822	51025	51137	2.69	cps
Molybdenum	97-1	10246	9937	9962	10048	1.71	cps
Molybdenum	98-1	24973	24154	24413	24513	1.71	cps
Neodymium	150-1	218085	215730	214231	216015	0.90	cps
Neodymium	150-2	93691	93628	96078	94466	1.48	cps
Nickel	60-2	535158	539112	540798	538356	0.54	cps
Phosphorus	31-2	10454	12072	11622	11383	7.34	cps
Potassium	39-2	1571996	1586479	1594212	1584229	0.71	cps
Rhodium	103-1	5920820	5983339	5909852	5938003	0.67	cps
Rhodium	103-2	2896334	2910495	2930217	2912349	0.58	cps
Scandium	45-1	4952621	5073428	4968186	4998079	1.31	cps
Scandium	45-2	213326	211284	216423	213677	1.21	cps
Selenium	77-2	290	310	317	306	4.54	cps
Selenium	78-2	278	252	304	278	9.33	cps
Selenium	82-1	380	300	347	342	11.70	cps
Silicon	28-1	26560040	26405482	27016493	26660672	1.19	cps
Silver	109-1	4176	3851	4151	4059	4.46	cps
Silver	107-1	4768	4384	4351	4501	5.15	cps
Sodium	23-2	308932	309311	316174	311472	1.31	cps
Strontium	86-1	469623	464516	466740	466960	0.55	cps
Strontium	88-1	4062240	4034961	4018221	4038474	0.55	cps
Sulfur	34-1	547344	546344	554251	549313	0.78	cps
Terbium	159-1	9697360	9811944	9665415	9724907	0.79	cps
Terbium	159-2	5129304	5148587	5168073	5148655	0.38	cps
Thallium	203-1	8019	7753	8194	7989	2.79	cps
Thallium	205-1	19056	18873	18480	18803	1.56	cps
Thorium	232-1	715268	699502	703923	706231	1.15	cps
Tin	118-1	29340	29173	30041	29518	1.56	cps
Titanium	47-1	2224222	2223556	2219677	2222485	0.11	cps
Uranium	238-1	179178	174678	179737	177865	1.56	cps
Vanadium	51-2	270050	273144	277585	273593	1.38	cps
Yttrium	89-1	8528256	8695005	8584540	8602600	0.99	cps
Yttrium	89-2	1279672	1287015	1291066	1285918	0.45	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04DUP	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BDUI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:29:27	DataFile Name :	021SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	415091	415536	419287	416638	0.55	cps
Zirconium	90-1	478085	481467	477717	479090	0.43	cps
Zirconium	91-1	108787	108677	108493	108652	0.14	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04LX5 Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BL Dilution Factor : 5
 Date & Time Acquired :: 2019-01-04 14:33:03 DataFile Name : 022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	898041	904358	902830	901743	0.37	cps
Antimony	121-1	708	567	483	586	19.41	cps
Arsenic	75-2	1582	1606	1624	1604	1.33	cps
Barium	135-1	134546	134849	134697	134697	0.11	cps
Barium	137-1	235048	235343	235335	235242	0.07	cps
Beryllium	9-1	2428	2328	2528	2428	4.12	cps
Bismuth	209-1	6665128	6692384	6677015	6678176	0.20	cps
Bismuth	209-2	3930959	3964544	4013699	3969734	1.05	cps
Boron	10-1	3651	3567	3659	3626	1.40	cps
Boron	11-1	16142	15300	15859	15767	2.72	cps
Cadmium	111-1	3141	2835	3015	2997	5.15	cps
Cadmium	106-1	3726	3367	3626	3573	5.18	cps
Cadmium	108-1	208	217	258	228	11.76	cps
Calcium	43-1	472584	470421	472836	471947	0.28	cps
Calcium	44-1	7589395	7639671	7654782	7627949	0.45	cps
Chromium	52-2	105504	106844	107581	106643	0.99	cps
Cobalt	59-2	54451	54056	54775	54427	0.66	cps
Copper	63-2	76716	76847	77668	77077	0.67	cps
Dysprosium	156-1	31913	31671	31963	31849	0.49	cps
Dysprosium	156-2	17281	16580	17365	17075	2.52	cps
Erbium	164-1	25976	26168	26259	26134	0.55	cps
Erbium	164-2	13914	14705	14461	14360	2.82	cps
Gadolinium	160-1	27161	28121	28330	27871	2.24	cps
Gadolinium	160-2	17154	16907	17204	17089	0.93	cps
Holmium	165-1	10089440	10017991	10060352	10055928	0.36	cps
Holmium	165-2	5312420	5375619	5457542	5381860	1.35	cps
Indium	115-1	7231650	7369628	7278748	7293342	0.96	cps
Indium	115-2	1488200	1493278	1518837	1500105	1.09	cps
Iron	56-2	43948408	44211973	44150698	44103693	0.31	cps
Iron	57-2	1092204	1106816	1109348	1102790	0.84	cps
Krypton	83-1	293	350	313	319	9.01	cps
Lead	206-1	281901	278621	276279	278934	1.01	cps
Lead	207-1	229732	230438	226637	228935	0.88	cps
Lead	208-1	1085651	1071641	1059066	1072119	1.24	cps
Lithium	6-1	3607051	3642855	3630339	3626748	0.50	cps
Magnesium	24-2	1239286	1251380	1263263	1251309	0.96	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04LX5	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-04 14:33:03	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	469778	475688	475826	473764	0.73	cps
Molybdenum	94-1	37851	38010	38135	37999	0.37	cps
Molybdenum	95-1	3159	3159	3134	3150	0.46	cps
Molybdenum	96-1	10729	10104	10671	10501	3.29	cps
Molybdenum	97-1	1992	2050	1809	1950	6.47	cps
Molybdenum	98-1	5101	5184	5301	5196	1.93	cps
Neodymium	150-1	45395	46044	44446	45295	1.77	cps
Neodymium	150-2	19324	19501	20035	19620	1.89	cps
Nickel	60-2	115941	117482	119334	117586	1.44	cps
Phosphorus	31-2	2750	2392	2617	2586	7.00	cps
Potassium	39-2	344042	350251	348772	347688	0.93	cps
Rhodium	103-1	6467030	6542269	6506988	6505429	0.58	cps
Rhodium	103-2	3070645	3125802	3157087	3117845	1.40	cps
Scandium	45-1	4908178	4961539	4993405	4954374	0.87	cps
Scandium	45-2	207492	210347	211263	209700	0.94	cps
Selenium	77-2	87	67	50	68	27.09	cps
Selenium	78-2	74	87	106	89	17.80	cps
Selenium	82-1	162	28	81	90	75.14	cps
Silicon	28-1	5717434	5633653	5685928	5679005	0.75	cps
Silver	109-1	967	825	742	845	13.47	cps
Silver	107-1	1125	992	1058	1058	6.30	cps
Sodium	23-2	75264	76379	78372	76672	2.05	cps
Strontium	86-1	99787	98663	99098	99183	0.57	cps
Strontium	88-1	863280	860827	857766	860624	0.32	cps
Sulfur	34-1	321204	316598	318426	318743	0.73	cps
Terbium	159-1	10159509	10180305	10159100	10166305	0.12	cps
Terbium	159-2	5187036	5278141	5347510	5270895	1.53	cps
Thallium	203-1	2400	2267	2292	2320	3.06	cps
Thallium	205-1	5560	5635	5526	5574	1.00	cps
Thorium	232-1	145514	143341	141606	143487	1.36	cps
Tin	118-1	4993	5326	5059	5126	3.44	cps
Titanium	47-1	469760	466309	467523	467864	0.37	cps
Uranium	238-1	38275	37606	37832	37904	0.90	cps
Vanadium	51-2	57656	56732	58445	57611	1.49	cps
Yttrium	89-1	7798765	7830508	7852629	7827300	0.35	cps
Yttrium	89-2	1140954	1152336	1163670	1152320	0.99	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04LX5	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BL	Dilution Factor :	5
Date & Time Acquired ::	2019-01-04 14:33:03	DataFile Name :	022SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	92517	95392	95328	94412	1.74	cps
Zirconium	90-1	98520	98756	100803	99360	1.26	cps
Zirconium	91-1	22093	22577	22293	22321	1.09	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04MS	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:36:38	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4677722	4669516	4679135	4675458	0.11	cps
Antimony	121-1	2816586	2788868	2769827	2791760	0.84	cps
Arsenic	75-2	95488	96655	96331	96158	0.63	cps
Barium	135-1	4689094	4618617	4642578	4650096	0.77	cps
Barium	137-1	8348474	8416605	8342661	8369247	0.49	cps
Beryllium	9-1	1041893	1046710	1043631	1044078	0.23	cps
Bismuth	209-1	5901001	5955868	5931133	5929334	0.46	cps
Bismuth	209-2	3504413	3556875	3597287	3552858	1.31	cps
Boron	10-1	211510	211306	213775	212197	0.65	cps
Boron	11-1	925534	930639	929516	928563	0.29	cps
Cadmium	111-1	833161	834581	826597	831446	0.51	cps
Cadmium	106-1	101032	98927	98340	99433	1.42	cps
Cadmium	108-1	67204	64806	64630	65547	2.19	cps
Calcium	43-1	3338501	3294043	3299041	3310529	0.74	cps
Calcium	44-1	53572503	53422024	53324876	53439801	0.23	cps
Chromium	52-2	1414520	1414037	1422033	1416863	0.32	cps
Cobalt	59-2	1616063	1630377	1644733	1630391	0.88	cps
Copper	63-2	2454988	2484476	2487516	2475660	0.73	cps
Dysprosium	156-1	150156	148781	146645	148527	1.19	cps
Dysprosium	156-2	76357	77198	77372	76976	0.71	cps
Erbium	164-1	124724	121647	123067	123146	1.25	cps
Erbium	164-2	66471	65449	65285	65735	0.98	cps
Gadolinium	160-1	126479	128474	126313	127089	0.95	cps
Gadolinium	160-2	76033	75553	77072	76219	1.02	cps
Holmium	165-1	9466834	9468450	9479257	9471514	0.07	cps
Holmium	165-2	5056641	5130216	5171195	5119350	1.13	cps
Indium	115-1	6448150	6471602	6442432	6454061	0.24	cps
Indium	115-2	1313782	1327358	1339904	1327015	0.98	cps
Iron	56-2	242475772	242321039	242667250	242488020	0.07	cps
Iron	57-2	6059284	6055771	6081280	6065445	0.23	cps
Krypton	83-1	447	470	440	452	3.48	cps
Lead	206-1	4826476	4806092	4846404	4826324	0.42	cps
Lead	207-1	4151874	4119814	4098724	4123471	0.65	cps
Lead	208-1	19290080	19311844	19271950	19291291	0.10	cps
Lithium	6-1	3363104	3371940	3358928	3364658	0.20	cps
Magnesium	24-2	13735788	13743642	13746740	13742057	0.04	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04MS	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:36:38	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3114213	3136384	3144039	3131545	0.49	cps
Molybdenum	94-1	6666845	6538331	6615504	6606894	0.98	cps
Molybdenum	95-1	7839388	7752325	7811071	7800928	0.57	cps
Molybdenum	96-1	8704570	8627877	8662180	8664876	0.44	cps
Molybdenum	97-1	4772931	4719063	4698386	4730126	0.81	cps
Molybdenum	98-1	12538271	12427554	12491426	12485750	0.45	cps
Neodymium	150-1	209440	207573	206227	207747	0.78	cps
Neodymium	150-2	88196	89182	89031	88803	0.60	cps
Nickel	60-2	816691	821713	823853	820752	0.45	cps
Phosphorus	31-2	10521	11113	10813	10815	2.74	cps
Potassium	39-2	5016832	4985943	5028744	5010506	0.44	cps
Rhodium	103-1	5624040	5601893	5603814	5609916	0.22	cps
Rhodium	103-2	2692668	2693094	2696679	2694147	0.08	cps
Scandium	45-1	4740693	4757502	4738757	4745651	0.22	cps
Scandium	45-2	198896	201294	200547	200245	0.61	cps
Selenium	77-2	3034	2907	2880	2940	2.79	cps
Selenium	78-2	9422	9377	9503	9434	0.68	cps
Selenium	82-1	60978	60594	60227	60599	0.62	cps
Silicon	28-1	25729839	24875784	25028273	25211299	1.81	cps
Silver	109-1	3747315	3711236	3715178	3724577	0.53	cps
Silver	107-1	3890396	3845829	3837489	3857905	0.74	cps
Sodium	23-2	15680538	15696144	15665411	15680698	0.10	cps
Strontium	86-1	1492352	1472403	1462763	1475839	1.02	cps
Strontium	88-1	13069638	13070159	13056004	13065267	0.06	cps
Sulfur	34-1	537492	529828	528055	531792	0.94	cps
Terbium	159-1	9552900	9602048	9580894	9578614	0.26	cps
Terbium	159-2	4952865	4983162	4981565	4972531	0.34	cps
Thallium	203-1	3466372	3447210	3423954	3445845	0.62	cps
Thallium	205-1	8456944	8479448	8495638	8477344	0.23	cps
Thorium	232-1	686784	681710	677580	682025	0.68	cps
Tin	118-1	2869179	2832741	2822539	2841486	0.86	cps
Titanium	47-1	4301892	4225892	4227773	4251852	1.02	cps
Uranium	238-1	12061793	12192288	12281178	12178419	0.91	cps
Vanadium	51-2	962140	956888	963151	960726	0.35	cps
Yttrium	89-1	8270653	8226676	8227150	8241493	0.31	cps
Yttrium	89-2	1193209	1206487	1214978	1204891	0.91	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04MS	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BMS	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:36:38	DataFile Name :	023SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	800932	806242	805954	804376	0.37	cps
Zirconium	90-1	5975238	5913880	5930736	5939951	0.53	cps
Zirconium	91-1	1318793	1292149	1287029	1299324	1.31	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04MSD Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BMSI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:40:14 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4596773	4603932	4575886	4592197	0.32	cps
Antimony	121-1	2780770	2766971	2773318	2773686	0.25	cps
Arsenic	75-2	95358	95444	97153	95985	1.05	cps
Barium	135-1	4598826	4543456	4604075	4582119	0.73	cps
Barium	137-1	8241738	8249429	8220455	8237208	0.18	cps
Beryllium	9-1	1035562	1026078	1031750	1031130	0.46	cps
Bismuth	209-1	5971424	5959803	6003874	5978367	0.38	cps
Bismuth	209-2	3495354	3528587	3602109	3542016	1.54	cps
Boron	10-1	208333	213273	214817	212141	1.60	cps
Boron	11-1	912108	930801	932321	925077	1.22	cps
Cadmium	111-1	833518	830200	823595	829105	0.61	cps
Cadmium	106-1	99700	99800	97819	99106	1.13	cps
Cadmium	108-1	64517	64793	64860	64724	0.28	cps
Calcium	43-1	3210544	3220118	3214861	3215174	0.15	cps
Calcium	44-1	51632815	52232351	52127640	51997602	0.62	cps
Chromium	52-2	1386881	1375400	1393177	1385153	0.65	cps
Cobalt	59-2	1585469	1600160	1619816	1601815	1.08	cps
Copper	63-2	2367471	2382787	2419896	2390051	1.13	cps
Dysprosium	156-1	147251	146103	146137	146497	0.45	cps
Dysprosium	156-2	75013	75637	77084	75911	1.40	cps
Erbium	164-1	121991	123471	122134	122532	0.67	cps
Erbium	164-2	63617	64813	65402	64611	1.41	cps
Gadolinium	160-1	127538	126698	127539	127259	0.38	cps
Gadolinium	160-2	75480	75560	76090	75710	0.44	cps
Holmium	165-1	9433477	9523806	9574385	9510556	0.75	cps
Holmium	165-2	5081236	5074117	5174285	5109879	1.09	cps
Indium	115-1	6463618	6436133	6473953	6457901	0.30	cps
Indium	115-2	1307988	1321786	1331211	1320328	0.88	cps
Iron	56-2	234979850	235942655	239679389	236867298	1.05	cps
Iron	57-2	5965634	5931462	5990007	5962368	0.49	cps
Krypton	83-1	443	497	460	467	5.85	cps
Lead	206-1	4724803	4727032	4693667	4715168	0.40	cps
Lead	207-1	4028356	4017187	4008976	4018173	0.24	cps
Lead	208-1	18774611	18782662	18830656	18795976	0.16	cps
Lithium	6-1	3336879	3334983	3357667	3343176	0.38	cps
Magnesium	24-2	13461817	13555148	13532337	13516434	0.36	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : J6498-04MSD Instrumnet Name : P7
 Client Sample ID : SSSI-1218-S-DH-9-BMSI Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 14:40:14 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3083923	3095064	3158400	3112462	1.29	cps
Molybdenum	94-1	6504221	6520736	6488147	6504368	0.25	cps
Molybdenum	95-1	7643131	7663949	7655016	7654032	0.14	cps
Molybdenum	96-1	8509416	8547025	8491468	8515970	0.33	cps
Molybdenum	97-1	4671728	4649271	4679778	4666926	0.34	cps
Molybdenum	98-1	12300838	12256405	12360010	12305751	0.42	cps
Neodymium	150-1	206382	206247	203947	205525	0.67	cps
Neodymium	150-2	88719	86945	88753	88139	1.17	cps
Nickel	60-2	799534	805104	817920	807519	1.17	cps
Phosphorus	31-2	10904	10137	10546	10529	3.65	cps
Potassium	39-2	4938279	4942945	4972899	4951374	0.38	cps
Rhodium	103-1	5554429	5539307	5569809	5554515	0.27	cps
Rhodium	103-2	2664912	2667513	2716834	2683086	1.09	cps
Scandium	45-1	4663391	4691604	4700901	4685298	0.42	cps
Scandium	45-2	196599	197493	201088	198393	1.20	cps
Selenium	77-2	3077	2984	3047	3036	1.57	cps
Selenium	78-2	9192	9466	9285	9314	1.50	cps
Selenium	82-1	60475	60843	60427	60582	0.38	cps
Silicon	28-1	24710960	24764895	24701531	24725795	0.14	cps
Silver	109-1	3701851	3683094	3673079	3686008	0.40	cps
Silver	107-1	3837384	3831555	3788474	3819138	0.70	cps
Sodium	23-2	15376201	15431470	15575957	15461209	0.67	cps
Strontium	86-1	1474412	1449187	1465171	1462924	0.87	cps
Strontium	88-1	12879120	12843118	12932847	12885028	0.35	cps
Sulfur	34-1	524229	524628	517886	522248	0.72	cps
Terbium	159-1	9570511	9635726	9621531	9609256	0.36	cps
Terbium	159-2	4933682	4920012	5008348	4954014	0.96	cps
Thallium	203-1	3474950	3441959	3450065	3455658	0.50	cps
Thallium	205-1	8447562	8560801	8506485	8504949	0.67	cps
Thorium	232-1	689637	681737	683363	684912	0.61	cps
Tin	118-1	2811816	2754292	2787338	2784482	1.04	cps
Titanium	47-1	4213835	4166766	4147245	4175949	0.82	cps
Uranium	238-1	12192086	12203482	12226003	12207190	0.14	cps
Vanadium	51-2	942091	943153	953575	946273	0.67	cps
Yttrium	89-1	8101019	8127947	8162872	8130613	0.38	cps
Yttrium	89-2	1187371	1185580	1212332	1195094	1.25	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04MSD	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BMSI	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:40:14	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	764867	769681	780861	771803	1.06	cps
Zirconium	90-1	5833860	5843516	5830876	5836084	0.11	cps
Zirconium	91-1	1285147	1282444	1277337	1281643	0.31	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04A	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:43:50	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4601844	4636010	4640197	4626017	0.45	cps
Antimony	121-1	2761979	2778079	2762264	2767441	0.33	cps
Arsenic	75-2	94692	96091	96603	95795	1.03	cps
Barium	135-1	4628120	4669828	4638402	4645450	0.47	cps
Barium	137-1	8278010	8400734	8353125	8343956	0.74	cps
Beryllium	9-1	1033850	1027867	1025868	1029195	0.40	cps
Bismuth	209-1	5956662	6019498	6355464	6110542	3.51	cps
Bismuth	209-2	3499192	3547946	3561867	3536335	0.93	cps
Boron	10-1	212290	210857	220268	214472	2.36	cps
Boron	11-1	926516	933840	965848	942068	2.22	cps
Cadmium	111-1	825952	824891	826619	825820	0.11	cps
Cadmium	106-1	97157	98742	97958	97953	0.81	cps
Cadmium	108-1	64015	65676	64844	64845	1.28	cps
Calcium	43-1	3274630	3296926	3308044	3293200	0.52	cps
Calcium	44-1	53070042	53243480	53651401	53321641	0.56	cps
Chromium	52-2	1401798	1418001	1425179	1414993	0.85	cps
Cobalt	59-2	1586228	1617474	1618582	1607428	1.14	cps
Copper	63-2	2459580	2491090	2479747	2476806	0.64	cps
Dysprosium	156-1	148108	146869	145894	146957	0.76	cps
Dysprosium	156-2	76313	77647	76314	76758	1.00	cps
Erbium	164-1	124135	122066	122707	122969	0.86	cps
Erbium	164-2	64424	65847	66759	65677	1.79	cps
Gadolinium	160-1	126908	127742	126681	127110	0.44	cps
Gadolinium	160-2	75681	76385	77289	76452	1.05	cps
Holmium	165-1	9486062	9602536	10128074	9738891	3.51	cps
Holmium	165-2	5070327	5141018	5154477	5121941	0.88	cps
Indium	115-1	6424678	6479399	6876826	6593634	3.74	cps
Indium	115-2	1299932	1335188	1323082	1319401	1.36	cps
Iron	56-2	242389805	244196422	245037694	243874641	0.55	cps
Iron	57-2	6099880	6141923	6135366	6125723	0.37	cps
Krypton	83-1	360	430	437	409	10.39	cps
Lead	206-1	4981167	4990612	4977877	4983219	0.13	cps
Lead	207-1	4221229	4245452	4274868	4247183	0.63	cps
Lead	208-1	19820008	19954314	20020069	19931464	0.51	cps
Lithium	6-1	3339134	3359670	3519190	3405998	2.89	cps
Magnesium	24-2	13559179	13606446	13539010	13568211	0.26	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04A	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:43:50	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3067899	3108092	3111553	3095848	0.78	cps
Molybdenum	94-1	6427198	6509447	6459712	6465452	0.64	cps
Molybdenum	95-1	7629422	7750361	7711655	7697146	0.80	cps
Molybdenum	96-1	8440999	8596813	8526678	8521497	0.92	cps
Molybdenum	97-1	4612886	4658324	4637215	4636142	0.49	cps
Molybdenum	98-1	12199411	12324428	12280377	12268072	0.52	cps
Neodymium	150-1	206971	207920	204547	206479	0.84	cps
Neodymium	150-2	87512	87750	89464	88242	1.21	cps
Nickel	60-2	796853	812010	802307	803723	0.96	cps
Phosphorus	31-2	11205	10854	11205	11088	1.82	cps
Potassium	39-2	4951681	4959698	4972919	4961433	0.22	cps
Rhodium	103-1	5516656	5567081	5849157	5644298	3.17	cps
Rhodium	103-2	2651785	2693169	2706230	2683728	1.06	cps
Scandium	45-1	4663069	4668100	4959626	4763598	3.56	cps
Scandium	45-2	196518	197711	199926	198052	0.87	cps
Selenium	77-2	2927	3024	3127	3026	3.31	cps
Selenium	78-2	9075	9385	9455	9305	2.17	cps
Selenium	82-1	59668	59789	59720	59726	0.10	cps
Silicon	28-1	24456254	24604981	24627096	24562777	0.38	cps
Silver	109-1	3654332	3693461	3680636	3676143	0.54	cps
Silver	107-1	3774791	3787403	3786237	3782810	0.18	cps
Sodium	23-2	15383468	15492821	15426813	15434367	0.36	cps
Strontium	86-1	1465096	1473521	1470625	1469747	0.29	cps
Strontium	88-1	12994896	13016482	13018307	13009895	0.10	cps
Sulfur	34-1	526100	527473	530108	527894	0.39	cps
Terbium	159-1	9528660	9607170	10165718	9767183	3.56	cps
Terbium	159-2	4892350	4983169	4983985	4953168	1.06	cps
Thallium	203-1	3453267	3495614	3460018	3469633	0.66	cps
Thallium	205-1	8463444	8583060	8572026	8539510	0.77	cps
Thorium	232-1	692094	689116	684191	688467	0.58	cps
Tin	118-1	2844065	2842373	2814758	2833732	0.58	cps
Titanium	47-1	4165563	4180663	4146371	4164199	0.41	cps
Uranium	238-1	12240279	12334002	12311320	12295200	0.40	cps
Vanadium	51-2	941501	947334	954011	947615	0.66	cps
Yttrium	89-1	8119891	8193076	8556212	8289727	2.82	cps
Yttrium	89-2	1187784	1199567	1205154	1197502	0.74	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	J6498-04A	Instrumnet Name :	P7
Client Sample ID :	SSSI-1218-S-DH-9-BA	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:43:50	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	811322	826481	816393	818066	0.94	cps
Zirconium	90-1	5821877	5825317	5855670	5834288	0.32	cps
Zirconium	91-1	1279698	1282377	1293069	1285048	0.55	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV46	Instrumnet Name :	P7
Client Sample ID :	CCV46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:56:51	DataFile Name :	026CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4328364	4333567	4404861	4355597	0.98	cps
Antimony	121-1	3222383	3181320	3214785	3206163	0.68	cps
Arsenic	75-2	105542	106398	107756	106566	1.05	cps
Barium	135-1	4388317	4377880	4418609	4394935	0.48	cps
Barium	137-1	7892070	7843337	7930966	7888791	0.56	cps
Beryllium	9-1	1180562	1180490	1181304	1180785	0.04	cps
Bismuth	209-1	5856103	5893292	5946406	5898600	0.77	cps
Bismuth	209-2	3467181	3455350	3487991	3470174	0.48	cps
Boron	10-1	221391	227260	228580	225744	1.70	cps
Boron	11-1	979826	994610	1008430	994289	1.44	cps
Cadmium	111-1	1036830	1038968	1042820	1039539	0.29	cps
Cadmium	106-1	118331	116552	117996	117626	0.80	cps
Cadmium	108-1	80108	79602	80422	80044	0.52	cps
Calcium	43-1	5864126	5872916	5913530	5883524	0.45	cps
Calcium	44-1	94209988	94699717	94989813	94633172	0.42	cps
Chromium	52-2	1019406	1021646	1022960	1021337	0.18	cps
Cobalt	59-2	1563812	1569455	1584862	1572710	0.69	cps
Copper	63-2	2115694	2124330	2128964	2122996	0.32	cps
Dysprosium	156-1	167	133	175	158	13.92	cps
Dysprosium	156-2	110	107	120	112	6.18	cps
Erbium	164-1	25	33	92	50	72.65	cps
Erbium	164-2	30	30	30	30	0.00	cps
Gadolinium	160-1	58	42	108	69	49.96	cps
Gadolinium	160-2	183	147	163	164	11.16	cps
Holmium	165-1	9868300	9899322	9971264	9912962	0.53	cps
Holmium	165-2	5236142	5240225	5303547	5259971	0.72	cps
Indium	115-1	6610151	6619092	6657257	6628833	0.38	cps
Indium	115-2	1357077	1363399	1369510	1363329	0.46	cps
Iron	56-2	215332599	217377522	215763244	216157788	0.50	cps
Iron	57-2	5434856	5427016	5452930	5438267	0.24	cps
Krypton	83-1	310	297	247	284	11.74	cps
Lead	206-1	3115534	3105423	3120817	3113925	0.25	cps
Lead	207-1	2771830	2771538	2770549	2771306	0.02	cps
Lead	208-1	12589210	12669617	12672589	12643805	0.37	cps
Lithium	6-1	3357396	3359766	3360451	3359204	0.05	cps
Magnesium	24-2	45845073	45956255	45662425	45821251	0.32	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV46	Instrumnet Name :	P7
Client Sample ID :	CCV46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:56:51	DataFile Name :	026CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1291542	1306283	1297532	1298452	0.57	cps
Molybdenum	94-1	7191438	7235218	7197822	7208159	0.33	cps
Molybdenum	95-1	8761689	8802774	8780130	8781531	0.23	cps
Molybdenum	96-1	9699824	9709962	9812763	9740850	0.64	cps
Molybdenum	97-1	5512494	5491492	5519060	5507682	0.26	cps
Molybdenum	98-1	14088341	14166810	14164871	14140008	0.32	cps
Neodymium	150-1	487	547	460	498	8.92	cps
Neodymium	150-2	87	77	80	81	6.28	cps
Nickel	60-2	392720	396440	396679	395280	0.56	cps
Phosphorus	31-2	43390	43757	43431	43526	0.46	cps
Potassium	39-2	20342994	20178426	20343423	20288281	0.47	cps
Rhodium	103-1	5564559	5607542	5627084	5599728	0.57	cps
Rhodium	103-2	2707179	2707141	2748486	2720936	0.88	cps
Scandium	45-1	4529920	4490283	4561279	4527161	0.79	cps
Scandium	45-2	195262	196883	197822	196656	0.66	cps
Selenium	77-2	3384	3277	3520	3394	3.59	cps
Selenium	78-2	11575	11621	11462	11553	0.71	cps
Selenium	82-1	74786	74536	74993	74771	0.31	cps
Silicon	28-1	3322161	3400404	3500924	3407830	2.63	cps
Silver	109-1	4234952	4241695	4275246	4250631	0.51	cps
Silver	107-1	4372602	4369902	4410672	4384392	0.52	cps
Sodium	23-2	87684637	87818594	88037221	87846817	0.20	cps
Strontium	86-1	1170377	1170693	1176163	1172411	0.28	cps
Strontium	88-1	10276986	10272062	10384255	10311101	0.61	cps
Sulfur	34-1	744854	740655	744413	743307	0.31	cps
Terbium	159-1	9929558	9941403	10018607	9963189	0.49	cps
Terbium	159-2	5068717	5117413	5103756	5096629	0.49	cps
Thallium	203-1	3841294	3820747	3831166	3831069	0.27	cps
Thallium	205-1	9393552	9425706	9528270	9449176	0.74	cps
Thorium	232-1	14314129	14411749	14413503	14379794	0.40	cps
Tin	118-1	3004776	2999409	3002644	3002276	0.09	cps
Titanium	47-1	2581328	2563225	2576194	2573582	0.36	cps
Uranium	238-1	13782471	13712711	13785950	13760377	0.30	cps
Vanadium	51-2	824799	828919	838814	830844	0.87	cps
Yttrium	89-1	7044805	7058762	7155028	7086198	0.85	cps
Yttrium	89-2	1046846	1037779	1048893	1044506	0.57	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCV46	Instrumnet Name :	P7
Client Sample ID :	CCV46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 14:56:51	DataFile Name :	026CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	362946	361904	365355	363402	0.49	cps
Zirconium	90-1	6060422	6071938	6108044	6080135	0.41	cps
Zirconium	91-1	1327482	1341103	1329997	1332861	0.54	cps

LB Number : LB100173 Operator : Jaswal
 Lab Sample ID : CCB46 Instrumnet Name : P7
 Client Sample ID : CCB46 Dilution Factor : 1
 Date & Time Acquired :: 2019-01-04 15:04:05 DataFile Name : 027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	117	250	275	214	39.80	cps
Antimony	121-1	567	658	742	656	13.35	cps
Arsenic	75-2	9	9	17	12	36.47	cps
Barium	135-1	117	75	83	92	24.05	cps
Barium	137-1	250	308	333	297	14.39	cps
Beryllium	9-1	167	194	144	169	14.87	cps
Bismuth	209-1	6835008	6800031	6856210	6830416	0.42	cps
Bismuth	209-2	4031525	4064270	4098026	4064607	0.82	cps
Boron	10-1	3609	3309	3175	3364	6.60	cps
Boron	11-1	15567	15025	14115	14902	4.92	cps
Cadmium	111-1	2377	2092	2248	2239	6.37	cps
Cadmium	106-1	3284	2900	3142	3109	6.24	cps
Cadmium	108-1	13	13	8	11	21.67	cps
Calcium	43-1	225	267	267	253	9.52	cps
Calcium	44-1	6935	7628	7411	7325	4.83	cps
Chromium	52-2	623	593	577	598	3.96	cps
Cobalt	59-2	80	97	90	89	9.44	cps
Copper	63-2	220	253	227	233	7.56	cps
Dysprosium	156-1	33	25	25	28	17.31	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	33	50	25	36	35.25	cps
Erbium	164-2	7	13	7	9	43.25	cps
Gadolinium	160-1	50	33	25	36	35.25	cps
Gadolinium	160-2	133	133	140	136	2.84	cps
Holmium	165-1	10174406	10142633	10287359	10201466	0.75	cps
Holmium	165-2	5449526	5563883	5508072	5507161	1.04	cps
Indium	115-1	7525561	7454688	7524270	7501506	0.54	cps
Indium	115-2	1542134	1570257	1574263	1562218	1.12	cps
Iron	56-2	11483	12033	12578	12031	4.55	cps
Iron	57-2	322	272	389	328	17.86	cps
Krypton	83-1	273	317	317	302	8.28	cps
Lead	206-1	739	689	633	687	7.69	cps
Lead	207-1	678	650	556	628	10.21	cps
Lead	208-1	2922	2689	2717	2776	4.59	cps
Lithium	6-1	3689517	3743451	3770350	3734439	1.10	cps
Magnesium	24-2	1442	1984	2050	1825	18.28	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB46	Instrumnet Name :	P7
Client Sample ID :	CCB46	Dilution Factor :	1
Date & Time Acquired ::	2019-01-04 15:04:05	DataFile Name :	027CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	73	93	103	90	16.98	cps
Molybdenum	94-1	608	658	542	603	9.71	cps
Molybdenum	95-1	533	550	533	539	1.78	cps
Molybdenum	96-1	742	692	658	697	6.02	cps
Molybdenum	97-1	458	300	475	411	23.49	cps
Molybdenum	98-1	1000	1050	983	1011	3.43	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	7	3	3	100.05	cps
Nickel	60-2	53	43	80	59	32.19	cps
Phosphorus	31-2	117	150	158	142	15.56	cps
Potassium	39-2	14833	14383	14891	14702	1.89	cps
Rhodium	103-1	6776166	6746450	6847392	6790003	0.76	cps
Rhodium	103-2	3256105	3307956	3306577	3290213	0.90	cps
Scandium	45-1	5084643	4997972	5085764	5056126	1.00	cps
Scandium	45-2	214738	218253	218337	217109	0.95	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	52	37	46	45	16.60	cps
Selenium	82-1	61	-4	-22	12	371.51	cps
Silicon	28-1	176144	164403	168797	169781	3.49	cps
Silver	109-1	208	208	150	189	17.83	cps
Silver	107-1	200	233	233	222	8.66	cps
Sodium	23-2	14850	14099	15400	14783	4.42	cps
Strontium	86-1	458	483	525	489	6.89	cps
Strontium	88-1	425	450	325	400	16.54	cps
Sulfur	34-1	297641	290193	294437	294090	1.27	cps
Terbium	159-1	10341336	10242088	10349931	10311118	0.58	cps
Terbium	159-2	5250251	5341593	5398430	5330091	1.40	cps
Thallium	203-1	525	558	608	564	7.44	cps
Thallium	205-1	1350	1375	1308	1345	2.51	cps
Thorium	232-1	778	650	667	698	9.95	cps
Tin	118-1	750	733	767	750	2.22	cps
Titanium	47-1	142	100	167	136	24.75	cps
Uranium	238-1	408	350	325	361	11.84	cps
Vanadium	51-2	33	17	40	30	40.05	cps
Yttrium	89-1	7678435	7700980	7688904	7689440	0.15	cps
Yttrium	89-2	1133697	1147704	1159913	1147105	1.14	cps

LB Number :	LB100173	Operator :	Jaswal
Lab Sample ID :	CCB46	Instrumnet Name :	P7
Client Sample ID :	CCB46	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zinc	66-2	280	367	303	317	14.16	cps
Zirconium	90-1	767	850	667	761	12.06	cps
Zirconium	91-1	192	125	117	144	28.46	cps