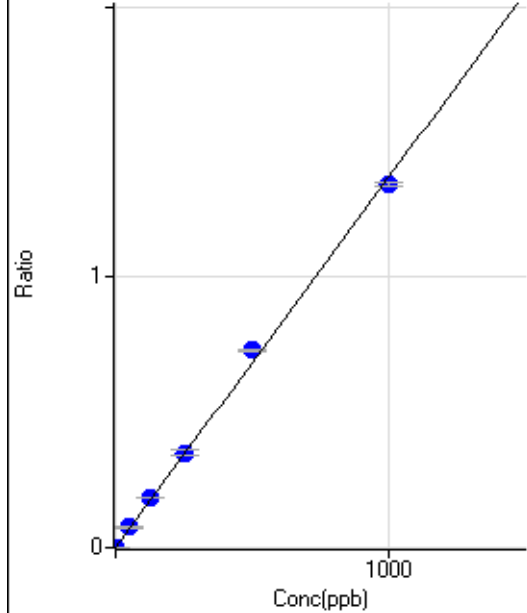


Calibration for 008CAL5_P8122118 MS.D

Batch Folder: D:\P8122118 MS .b\
 Analysis File: P8122118 MS .batch.bin
 DA Date-Time: 2018-12-22 00:51:03
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB P8122118 MS.D	S00	2018-12-21 16:15:15
2			
3	005CAL5 P8122118 MS.D	S02	2018-12-21 16:22:41
4	006CAL5 P8122118 MS.D	S03	2018-12-21 16:26:29
5	007CAL5 P8122118 MS.D	S04	2018-12-21 16:30:17
6	008CAL5 P8122118 MS.D	S05	2018-12-21 16:33:59
7	009CAL5 P8122118 MS.D	S06	2018-12-21 16:37:36
8	012CAL5 P8122118 MS.D	S07	2018-12-21 16:51:48
9	015CAL5 P8122118 MS.D	S08	2018-12-21 17:02:19

9 Be [NoGas] ISTD:6 Li [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	25.56	0.0001	P	32.2
2	☐	0.100					
3	☐	1.000	1.028	698.92	0.0015	P	16.8
4	☐	50.000	54.525	36041.84	0.0746	P	2.4
5	☐	125.000	135.104	89756.50	0.1848	P	1.5
6	☐	250.000	256.908	178638.90	0.3514	P	7.0
7	☐	500.000	532.916	363194.53	0.7289	P	0.9
8	☐	1000.000	980.326	740862.00	1.3408	P	1.1
9	☐			135.56	0.0003	P	12.6

$$y = 0.0014 * x + 5.1147E-005$$

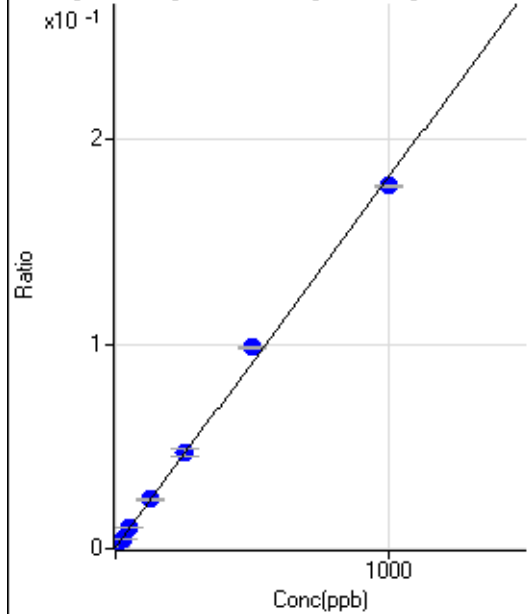
$$R = 0.9991$$

$$DL = 0.03614$$

$$BEC = 0.0374$$

Weight: <None>

Min Conc: 0

10 B [NoGas] ISTD:6 Li [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	277.79	0.0006	P	14.1
2	☐	2.500					
3	☐	25.000	23.112	2280.84	0.0047	P	2.8
4	☐	50.000	54.570	5037.19	0.0104	P	3.4
5	☐	125.000	131.623	11844.21	0.0244	P	4.4
6	☐	250.000	256.208	23834.74	0.0469	P	8.4
7	☐	500.000	540.022	48965.08	0.0983	P	0.3
8	☐	1000.000	977.428	98015.44	0.1774	P	0.6
9	☐			1747.39	0.0032	P	1.7

$$y = 1.8094E-004 * x + 5.5662E-004$$

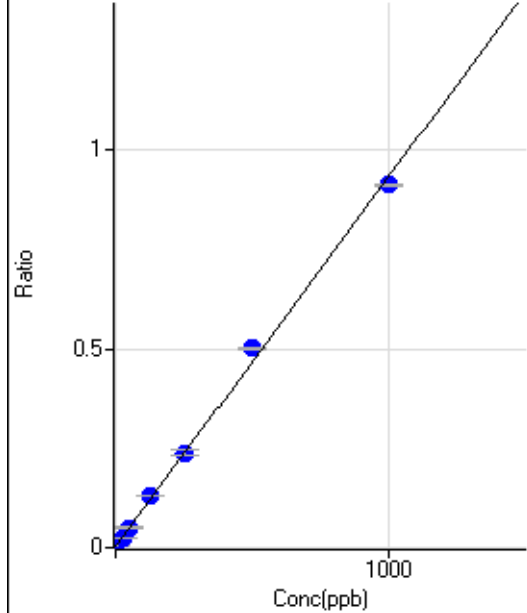
$$R = 0.9987$$

$$DL = 1.299$$

$$BEC = 3.076$$

Weight: <None>

Min Conc: 0

11 B [NoGas] ISTD:6 Li [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1236.22	0.0025	P	2.7
2	☐	2.500					
3	☐	25.000	23.847	11869.31	0.0247	P	3.2
4	☐	50.000	51.783	24471.57	0.0507	P	3.4
5	☐	125.000	136.426	62872.45	0.1294	P	0.7
6	☐	250.000	254.080	121442.72	0.2389	P	7.3
7	☐	500.000	537.129	250320.97	0.5024	P	1.2
8	☐	1000.000	978.927	504714.31	0.9135	P	0.3
9	☐			9311.72	0.0172	P	2.7

$$y = 9.3065E-004 * x + 0.0025$$

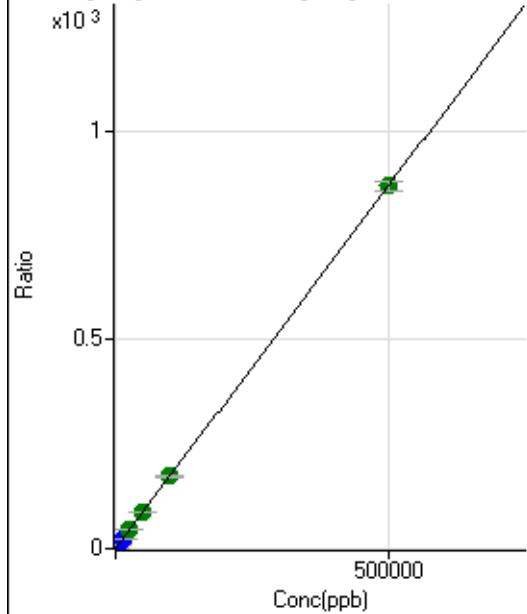
$$R = 0.9989$$

$$DL = 0.2161$$

$$BEC = 2.662$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	12369.82	0.2756	P	7.7
2	☐	50.000					
3	☐	500.000	476.531	50911.98	1.1024	P	2.0
4	☐	5000.000	5311.893	433687.82	9.4928	P	1.7
5	☐	12500.000	13377.016	1054075.87	23.4874	P	1.8
6	☐	25000.000	25598.686	2134256.77	44.6944	A	1.7
7	☐	50000.000	50783.062	4185269.93	88.3943	A	2.2
8	☐	100000.00	99698.812	8476273.02	173.2729	A	2.3
9	☐	500000.00	499926.97	43187283.60	867.7488	A	2.5

$$y = 0.0017 * x + 0.2756$$

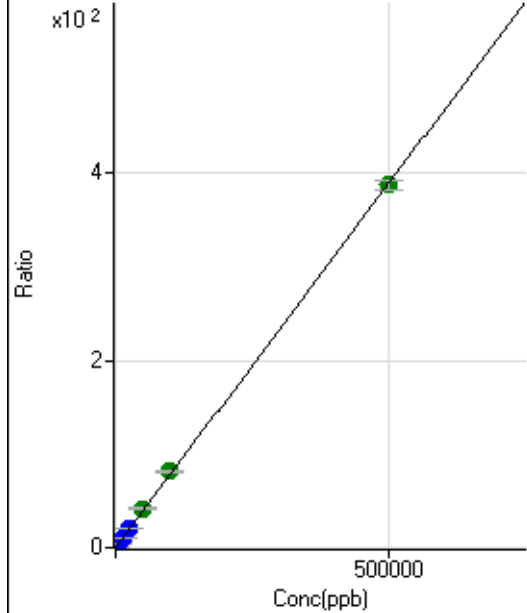
$$R = 1.0000$$

$$DL = 36.57$$

$$BEC = 158.8$$

Weight: <None>

Min Conc: 0

24 Mg [He] ISTD: 45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	188.90	0.0042	P	20.2
2	☐	50.000					
3	☐	500.000	482.650	17533.73	0.3796	P	3.1
4	☐	5000.000	5558.767	197731.68	4.3280	P	1.2
5	☐	12500.000	13949.574	487177.82	10.8545	P	0.9
6	☐	25000.000	26241.637	974868.05	20.4156	P	1.9
7	☐	50000.000	54153.722	1994762.11	42.1263	A	1.2
8	☐	100000.00	104845.91	3989654.86	81.5559	A	2.1
9	☐	500000.00	498511.55	19297174.04	387.7584	A	2.9

$$y = 7.7782\text{E-}004 * x + 0.0042$$

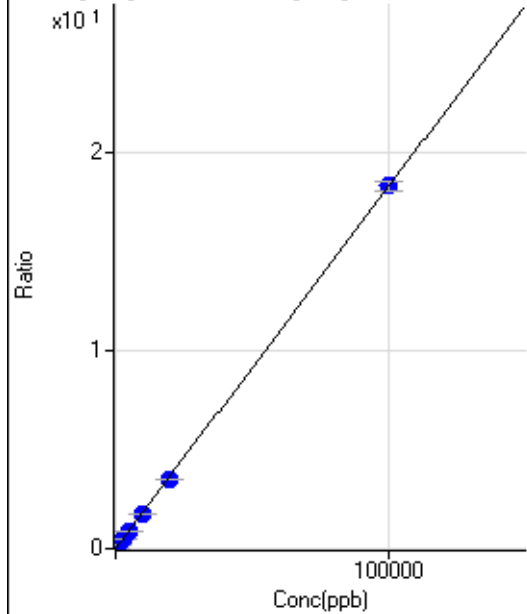
R = 0.9999

DL = 3.296

BEC = 5.429

Weight: <None>

Min Conc: 0

27 Al [He] ISTD: 45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	41.68	0.0009	P	20.9
2	☐	2.000					
3	☐	20.000	16.685	183.38	0.0040	P	27.4
4	☐	1000.000	1006.115	8443.89	0.1848	P	0.5
5	☐	2500.000	2548.888	20948.25	0.4668	P	2.1
6	☐	5000.000	4797.623	41919.48	0.8778	P	0.5
7	☐	10000.000	9700.757	83994.63	1.7739	P	1.7
8	☐	20000.000	19242.326	172106.35	3.5179	P	1.3
9	☐	100000.00	100190.29	911422.71	18.3128	P	2.4

$$y = 1.8277\text{E-}004 * x + 9.2326\text{E-}004$$

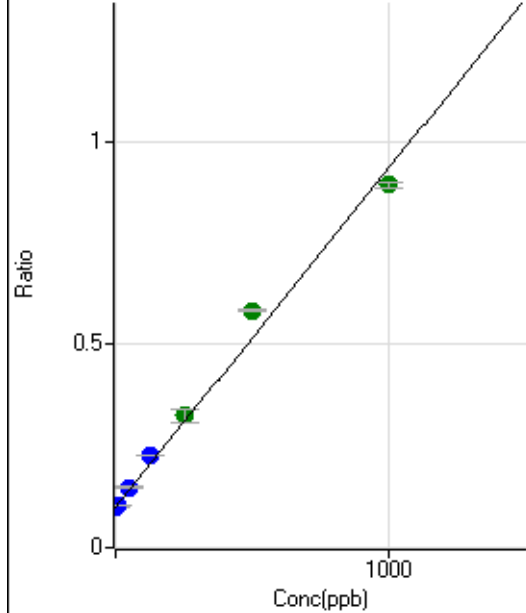
R = 1.0000

DL = 3.172

BEC = 5.051

Weight: <None>

Min Conc: 0

28 Si [NoGas] ISTD:45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	353970.58	0.0997	P	1.2
2	☐	1.000					
3	☐	10.000	3.284	384957.89	0.1025	P	1.1
4	☐	50.000	58.741	559670.72	0.1487	P	1.1
5	☐	125.000	153.559	890343.64	0.2278	P	1.2
6	☐	250.000	269.416	1298747.62	0.3244	A	9.7
7	☐	500.000	579.801	2273408.08	0.5831	A	1.0
8	☐	1000.000	951.306	3726234.55	0.8929	A	1.5
9	☐			445449.15	0.1086	P	1.1

$$y = 8.3377\text{E-}004 * x + 0.0997$$

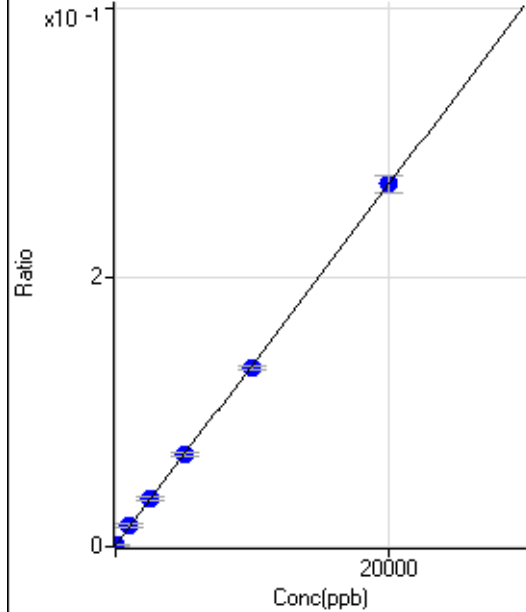
$$R = 0.9944$$

$$DL = 4.224$$

$$BEC = 119.6$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-40.191	11.11	0.0002	P	37.6
2	☐	0.000					
3	☐	0.000	40.191	61.11	0.0013	P	43.3
4	☐	1000.000	1093.840	705.61	0.0155	P	14.1
5	☐	2500.000	2578.431	1586.28	0.0354	P	10.0
6	☐	5000.000	5056.716	3275.53	0.0686	P	3.1
7	☐	10000.000	9853.011	6293.38	0.1329	P	2.0
8	☐	20000.000	20044.820	13184.44	0.2696	P	5.0
9	☐			16.67	0.0003	P	2.2

$$y = 1.3410\text{E-}005 * x + 7.8272\text{E-}004$$

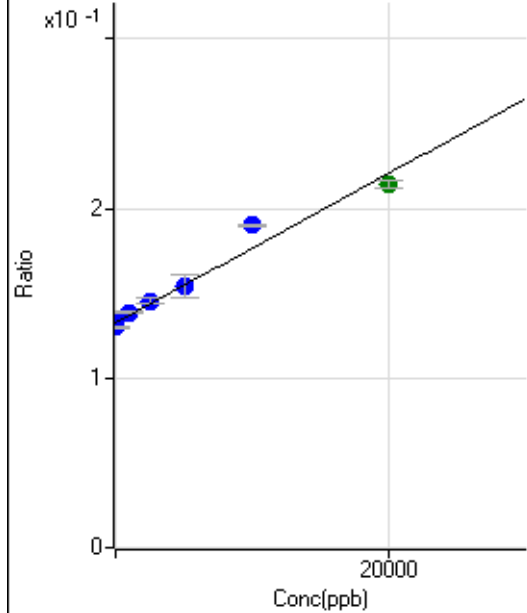
$$R = 0.9999$$

$$DL = 74.27$$

$$BEC = 58.37$$

Weight: <None>

Min Conc: 0

34 S [NoGas] ISTD:45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	547.196	479170.38	0.1350	P	0.5
2	☐	0.000					
3	☐	0.000	-547.196	489053.05	0.1302	P	0.9
4	☐	1000.000	1355.165	521481.87	0.1385	P	0.5
5	☐	2500.000	2954.415	569008.57	0.1456	P	1.9
6	☐	5000.000	4827.007	616271.06	0.1538	P	8.8
7	☐	10000.000	13031.728	740650.17	0.1900	P	0.7
8	☐	20000.000	18452.824	892521.57	0.2139	A	2.3
9	☐			527846.97	0.1286	P	1.3

$$y = 4.4052\text{E-}006 * x + 0.1326$$

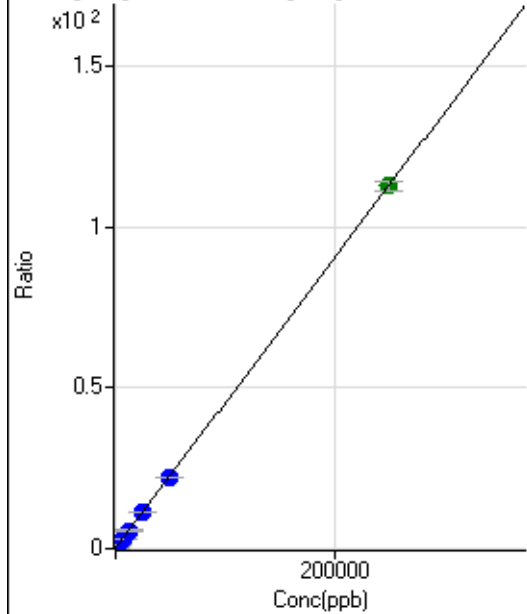
$$R = 0.9813$$

$$DL = 595.3$$

$$BEC = 3.01\text{E}+04$$

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	5626.37	0.1252	P	6.1
2	☐	50.000					
3	☐	500.000	447.502	15083.86	0.3266	P	2.4
4	☐	2500.000	2552.680	58199.03	1.2738	P	0.5
5	☐	6250.000	6400.011	134863.08	3.0049	P	1.1
6	☐	12500.000	12327.582	270855.04	5.6720	P	1.1
7	☐	25000.000	24561.826	529242.76	11.1767	P	1.2
8	☐	50000.000	49185.423	1088847.03	22.2560	P	1.3
9	☐	250000.00	250211.18	5609627.21	112.7066	A	2.3

$$y = 4.4995\text{E-}004 * x + 0.1252$$

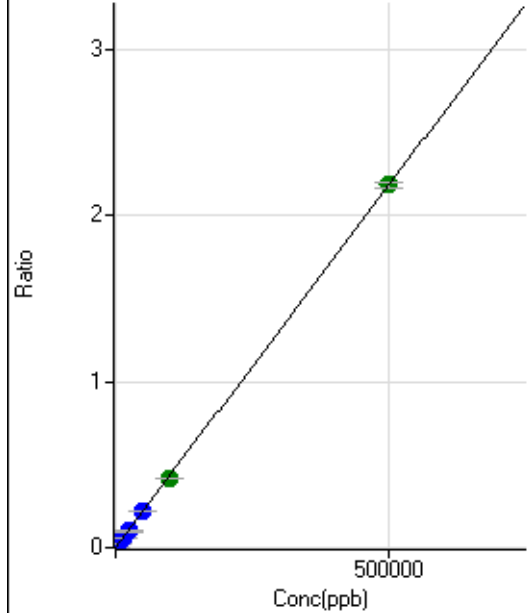
$$R = 1.0000$$

$$DL = 50.71$$

$$BEC = 278.3$$

Weight: <None>

Min Conc: 0

43 Ca [NoGas] ISTD:45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	536.69	0.0002	P	6.1
2	☐	50.000					
3	☐	500.000	445.339	7864.56	0.0021	P	4.8
4	☐	5000.000	4985.440	82423.06	0.0219	P	0.2
5	☐	12500.000	12264.576	209662.66	0.0537	P	2.4
6	☐	25000.000	23553.805	412119.06	0.1029	P	9.1
7	☐	50000.000	49950.896	850029.25	0.2180	P	0.5
8	☐	100000.00	95819.232	1745011.54	0.4181	A	0.3
9	☐	500000.00	500919.46	8965361.88	2.1852	A	1.9

$$y = 4.3621\text{E-}006 * x + 1.5122\text{E-}004$$

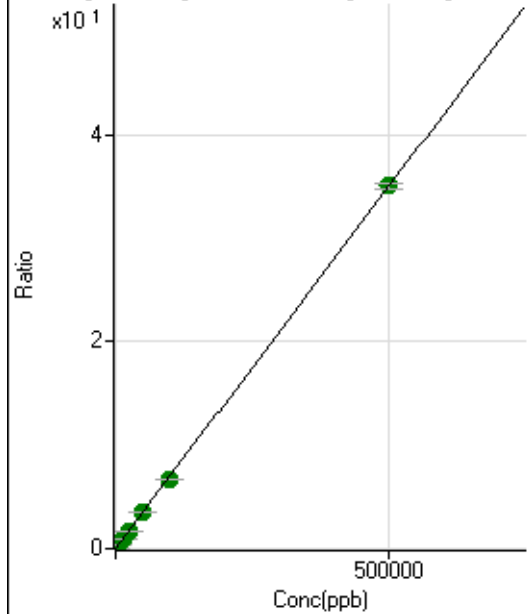
R = 1.0000

DL = 6.332

BEC = 34.67

Weight: <None>

Min Conc: 0

44 Ca [NoGas] ISTD:45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	58088.57	0.0164	P	2.3
2	☐	50.000					
3	☐	500.000	435.838	175910.78	0.0468	P	3.4
4	☐	5000.000	5083.058	1398934.44	0.3717	A	1.2
5	☐	12500.000	12376.199	3444484.74	0.8815	A	2.8
6	☐	25000.000	23415.922	6621744.55	1.6532	A	8.9
7	☐	50000.000	49491.710	13550661.05	3.4760	A	0.9
8	☐	100000.00	94975.538	27775489.86	6.6554	A	0.5
9	☐	500000.00	501137.25	143791004.5	35.0472	A	1.7

$$y = 6.9903\text{E-}005 * x + 0.0164$$

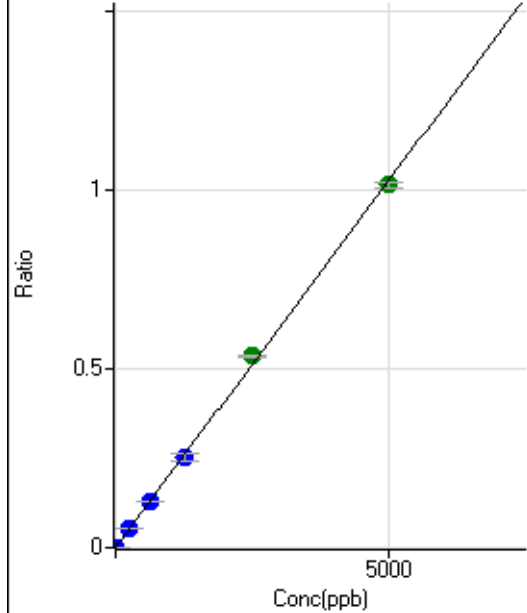
R = 0.9999

DL = 16.37

BEC = 234.1

Weight: <None>

Min Conc: 0

47 Ti [NoGas] ISTD : 45 Sc [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	147.23	0.0000	P	20.6
2	☐	0.500					
3	☐	5.000	5.065	4064.66	0.0011	P	1.3
4	☐	250.000	260.857	201798.74	0.0536	P	2.0
5	☐	625.000	632.774	507996.19	0.1300	P	2.4
6	☐	1250.000	1228.141	1010385.68	0.2523	P	9.0
7	☐	2500.000	2615.879	2094447.72	0.5373	A	1.1
8	☐	5000.000	4946.011	4239160.21	1.0158	A	1.6
9	☐			1183.44	0.0003	P	5.5

$$y = 2.0537E-004 * x + 4.1430E-005$$

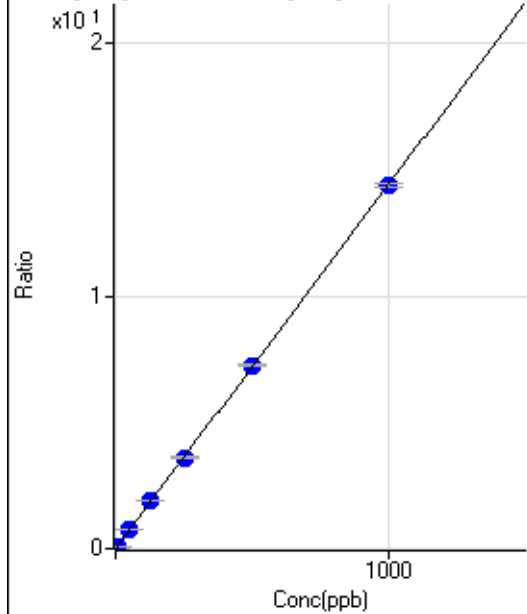
$$R = 0.9996$$

$$DL = 0.1244$$

$$BEC = 0.2017$$

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	16.67	0.0004	P	22.5
2	☐	0.500					
3	☐	5.000	4.926	3294.89	0.0713	P	4.7
4	☐	50.000	51.493	33910.16	0.7422	P	0.3
5	☐	125.000	131.781	85217.39	1.8989	P	1.9
6	☐	250.000	250.392	172279.17	3.6076	P	0.9
7	☐	500.000	504.409	344089.85	7.2671	P	1.9
8	☐	1000.000	996.776	702576.88	14.3603	P	1.0
9	☐			174.45	0.0035	P	27.4

$$y = 0.0144 * x + 3.7244E-004$$

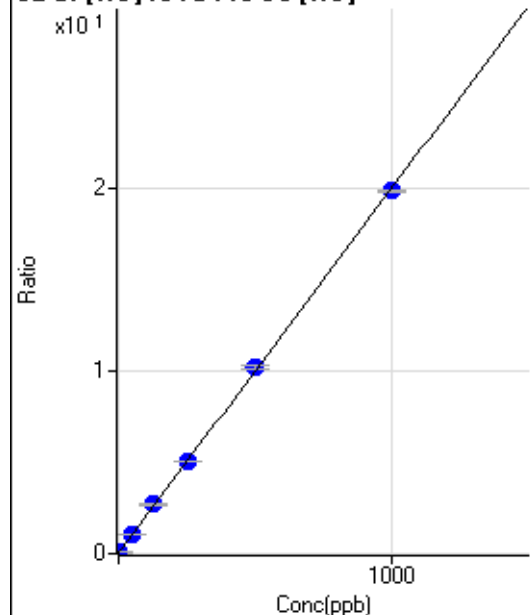
$$R = 1.0000$$

$$DL = 0.01742$$

$$BEC = 0.02585$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1423.43	0.0316	P	2.6
2	☐	0.200					
3	☐	2.000	1.848	3161.52	0.0685	P	5.1
4	☐	50.000	53.012	49698.04	1.0878	P	1.6
5	☐	125.000	133.127	120455.28	2.6839	P	1.2
6	☐	250.000	252.111	241357.80	5.0544	P	1.7
7	☐	500.000	509.449	482080.89	10.1812	P	1.6
8	☐	1000.000	993.582	970036.54	19.8265	P	0.7
9	☐			16531.10	0.3321	P	2.1

$$y = 0.0199 * x + 0.0316$$

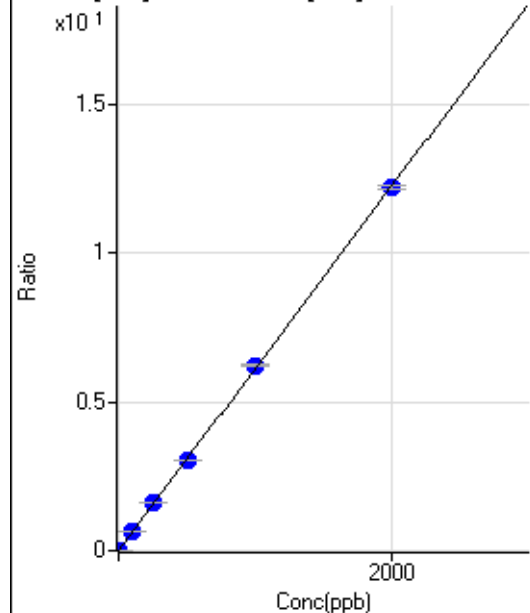
$$R = 0.9999$$

$$DL = 0.122$$

$$BEC = 1.589$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	50.00	0.0011	P	7.0
2	☐	0.100					
3	☐	1.000	1.119	367.79	0.0080	P	3.5
4	☐	100.000	106.333	29827.60	0.6529	P	0.7
5	☐	250.000	262.745	72327.13	1.6116	P	1.4
6	☐	500.000	497.722	145737.75	3.0518	P	0.9
7	☐	1000.000	1013.989	294352.27	6.2162	P	1.1
8	☐	2000.000	1991.665	597297.57	12.2088	P	1.2
9	☐			3412.70	0.0685	P	0.3

$$y = 0.0061 * x + 0.0011$$

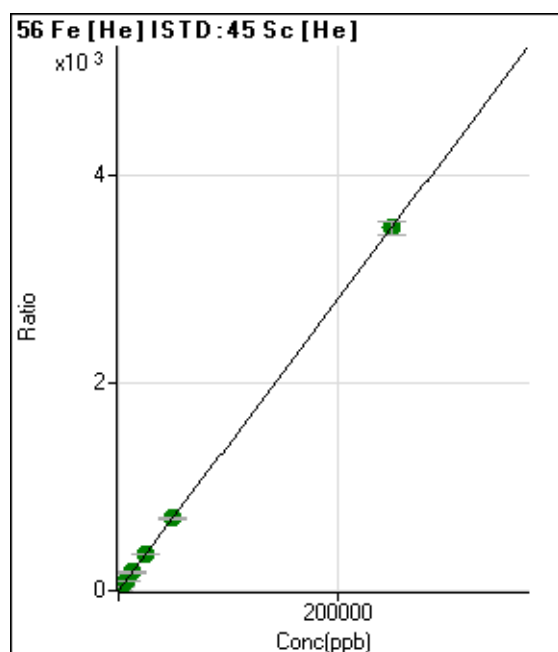
$$R = 0.9999$$

$$DL = 0.03791$$

$$BEC = 0.1806$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2570.68	0.0573	P	7.3
2	☐	5.000					
3	☐	50.000	51.897	36097.30	0.7816	P	0.8
4	☐	2500.000	2702.482	1725998.84	37.7777	A	0.3
5	☐	6250.000	6702.433	4201106.75	93.6080	A	1.5
6	☐	12500.000	12596.491	8398497.29	175.8756	A	1.5
7	☐	25000.000	25649.287	16954918.43	358.0628	A	1.2
8	☐	50000.000	49713.382	33949438.03	693.9428	A	1.5
9	☐	250000.00	249974.23	173628307.5	3,489.127	A	3.4

$$y = 0.0140 * x + 0.0573$$

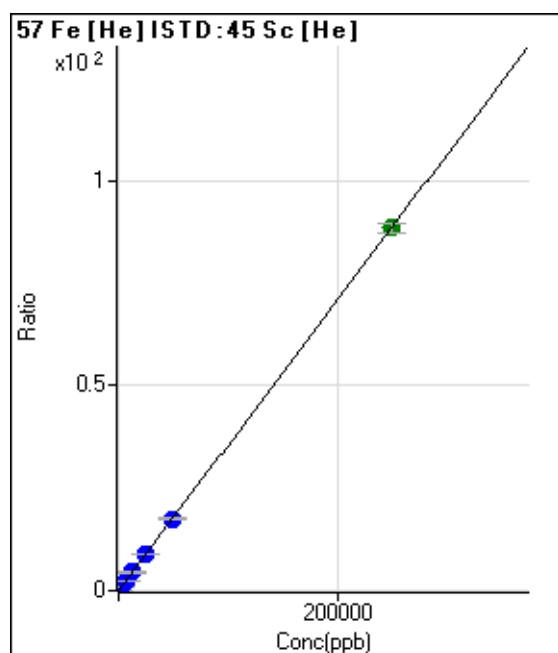
$$R = 1.0000$$

$$DL = 0.8954$$

$$BEC = 4.103$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	70.37	0.0016	P	18.2
2	☐	5.000					
3	☐	50.000	49.794	885.24	0.0192	P	12.9
4	☐	2500.000	2670.040	43185.97	0.9453	P	2.6
5	☐	6250.000	6591.628	104635.05	2.3314	P	1.2
6	☐	12500.000	12620.110	213088.68	4.4622	P	1.0
7	☐	25000.000	25527.461	427314.66	9.0243	P	1.3
8	☐	50000.000	49529.680	856553.22	17.5080	P	1.2
9	☐	250000.00	250025.07	4398090.38	88.3735	A	2.8

$$y = 3.5345E-004 * x + 0.0016$$

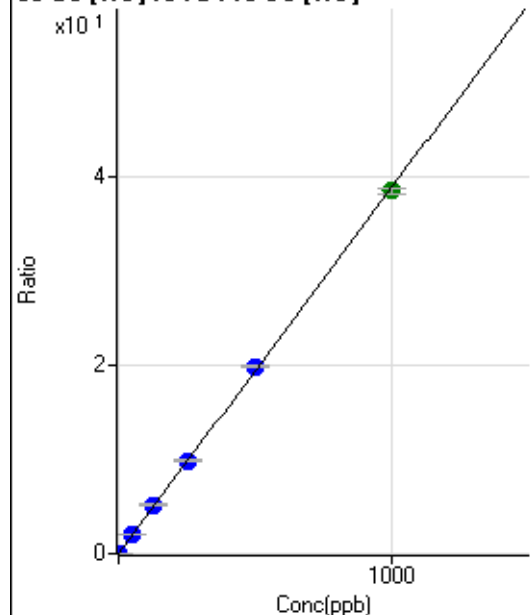
$$R = 1.0000$$

$$DL = 2.435$$

$$BEC = 4.456$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	107.78	0.0024	P	11.7
2	☐	0.100					
3	☐	1.000	0.997	1902.39	0.0412	P	4.0
4	☐	50.000	53.368	94948.59	2.0783	P	1.6
5	☐	125.000	133.739	233582.88	5.2045	P	1.1
6	☐	250.000	253.994	471898.59	9.8821	P	1.4
7	☐	500.000	512.360	943825.02	19.9319	P	1.2
8	☐	1000.000	991.561	1887048.93	38.5716	A	1.3
9	☐			23566.80	0.4737	P	4.4

$$y = 0.0389 * x + 0.0024$$

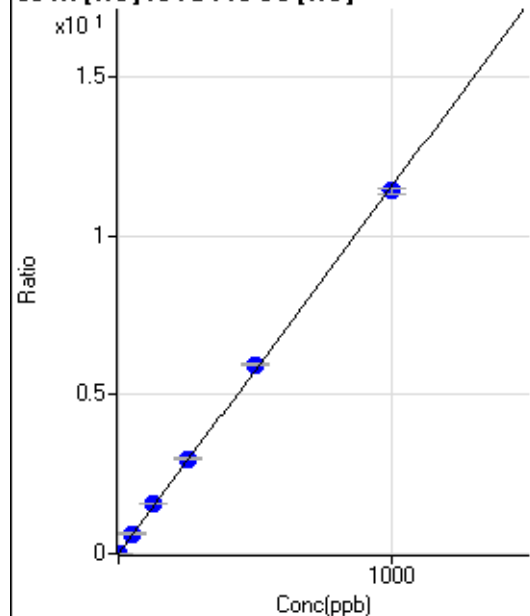
$$R = 0.9999$$

$$DL = 0.02165$$

$$BEC = 0.06172$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	91.11	0.0020	P	45.2
2	☐	0.100					
3	☐	1.000	1.007	628.92	0.0136	P	11.3
4	☐	50.000	54.573	28875.68	0.6321	P	2.4
5	☐	125.000	135.095	70089.80	1.5617	P	1.3
6	☐	250.000	257.558	142092.48	2.9756	P	1.4
7	☐	500.000	515.873	282114.92	5.9579	P	1.4
8	☐	1000.000	988.683	558529.73	11.4167	P	1.6
9	☐			11043.43	0.2219	P	4.5

$$y = 0.0115 * x + 0.0020$$

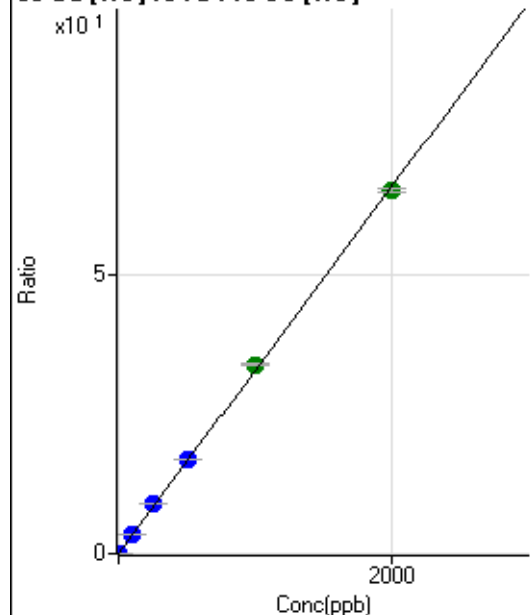
$$R = 0.9998$$

$$DL = 0.2337$$

$$BEC = 0.1721$$

Weight: <None>

Min Conc: 0

⁶³Cu [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	231.12	0.0052	P	21.1
2	☐	0.200					
3	☐	2.000	2.077	3396.03	0.0735	P	2.5
4	☐	100.000	108.774	163774.37	3.5847	P	1.1
5	☐	250.000	271.615	401377.87	8.9434	P	1.5
6	☐	500.000	512.866	806198.64	16.8825	P	1.1
7	☐	1000.000	1029.790	1605079.65	33.8933	A	1.3
8	☐	2000.000	1978.748	3186059.85	65.1214	A	1.1
9	☐			4915.40	0.0988	P	4.5

$$y = 0.0329 * x + 0.0052$$

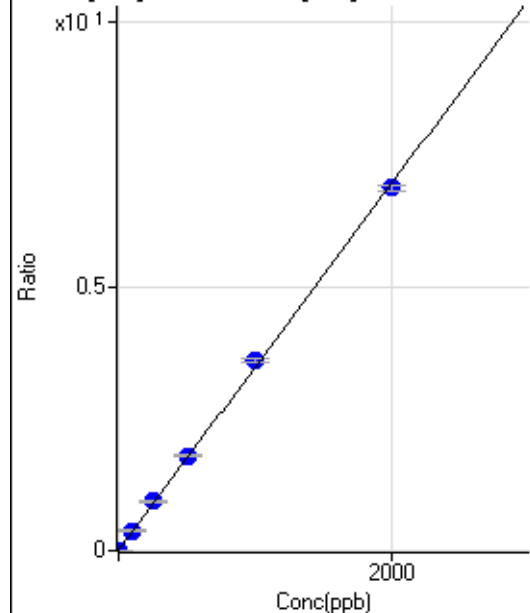
$$R = 0.9998$$

$$DL = 0.09939$$

$$BEC = 0.1573$$

Weight: <None>

Min Conc: 0

⁶⁶Zn [He] ISTD:45 Sc [He]

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	266.67	0.0059	P	8.0
2	☐	0.200					
3	☐	2.000	1.712	547.80	0.0119	P	5.1
4	☐	100.000	107.944	17382.21	0.3804	P	1.3
5	☐	250.000	267.609	41934.41	0.9344	P	2.0
6	☐	500.000	515.948	85768.75	1.7960	P	1.0
7	☐	1000.000	1032.943	169975.23	3.5898	P	1.9
8	☐	2000.000	1976.943	335852.61	6.8651	P	1.6
9	☐			3432.71	0.0691	P	11.2

$$y = 0.0035 * x + 0.0059$$

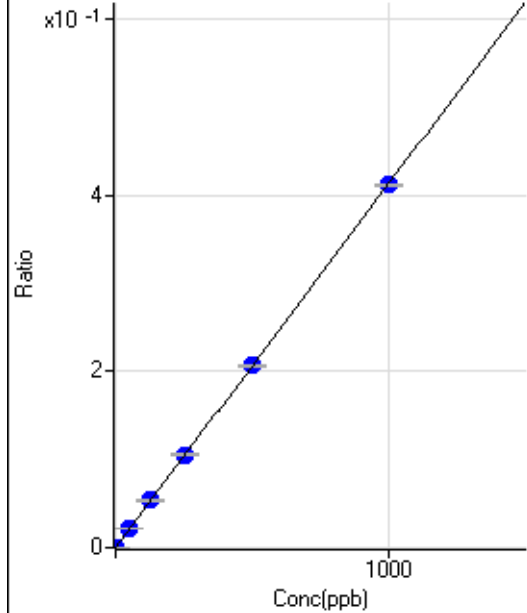
$$R = 0.9997$$

$$DL = 0.41$$

$$BEC = 1.706$$

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	3.09	0.0000	P	94.1
2	☐	0.100					
3	☐	1.000	0.956	110.49	0.0004	P	17.2
4	☐	50.000	51.697	5766.07	0.0214	P	2.3
5	☐	125.000	130.231	14196.27	0.0538	P	2.7
6	☐	250.000	254.884	29540.85	0.1053	P	1.7
7	☐	500.000	501.176	58807.75	0.2069	P	1.4
8	☐	1000.000	997.452	118950.65	0.4119	P	0.4
9	☐			180.25	0.0006	P	3.9

$$y = 4.1290\text{E-}004 * x + 1.1810\text{E-}005$$

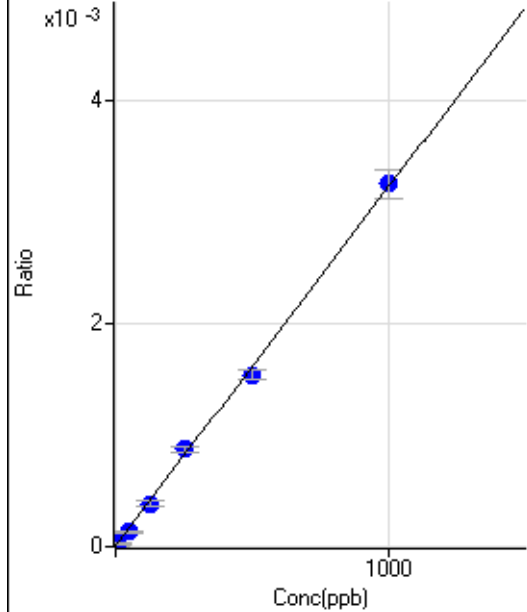
$$R = 1.0000$$

$$DL = 0.08071$$

$$BEC = 0.0286$$

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	2.22	0.0000	P	86.7
2	☐	0.500					
3	☐	5.000	6.289	7.78	0.0000	P	64.9
4	☐	50.000	38.455	35.55	0.0001	P	12.7
5	☐	125.000	116.635	101.11	0.0004	P	11.4
6	☐	250.000	268.559	244.45	0.0009	P	6.2
7	☐	500.000	476.749	437.79	0.0015	P	5.6
8	☐	1000.000	1008.602	938.94	0.0032	P	8.0
9	☐			3.33	0.0000	P	99.6

$$y = 3.2129\text{E-}006 * x + 8.2974\text{E-}006$$

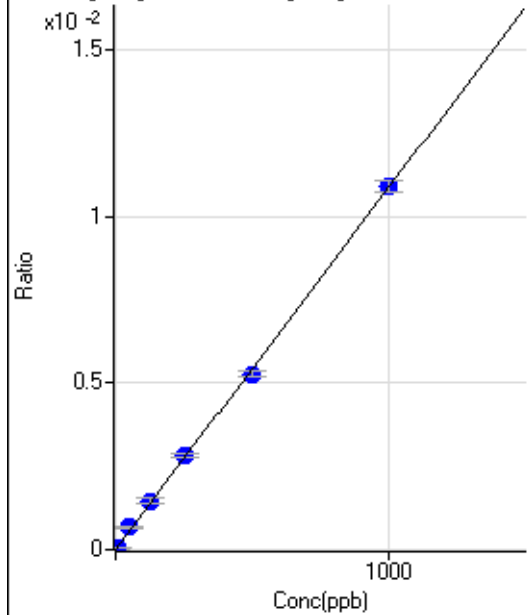
$$R = 0.9993$$

$$DL = 6.72$$

$$BEC = 2.583$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1.23	0.0000	P	173.2
2	☐	0.500					
3	☐	5.000	5.627	17.90	0.0001	P	57.0
4	☐	50.000	60.794	179.63	0.0007	P	10.8
5	☐	125.000	134.811	387.66	0.0015	P	13.3
6	☐	250.000	260.357	795.10	0.0028	P	5.0
7	☐	500.000	485.532	1500.10	0.0053	P	2.8
8	☐	1000.000	1002.875	3147.92	0.0109	P	3.0
9	☐			4.32	0.0000	P	108.8

$$y = 1.0863\text{E-}005 * x + 4.7602\text{E-}006$$

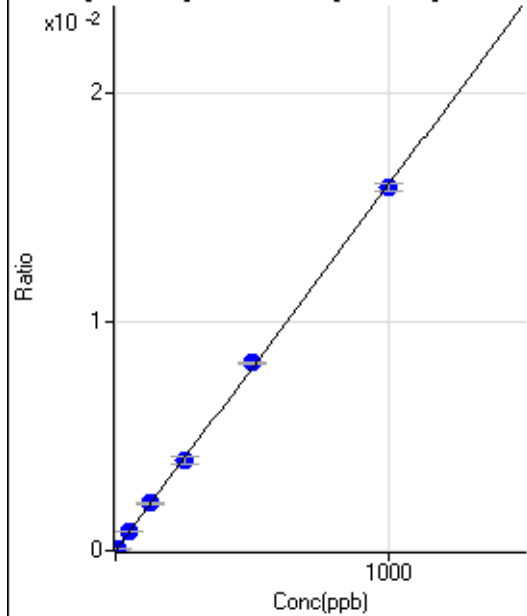
$$R = 0.9997$$

$$DL = 2.277$$

$$BEC = 0.4382$$

Weight: <None>

Min Conc: 0

82 Se [NoGas] ISTD:89 Y [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-151.66	0.0000	P	-29.6
2	☐	0.500					
3	☐	5.000	5.051	295.07	0.0001	P	5.4
4	☐	50.000	52.975	4615.72	0.0008	P	1.2
5	☐	125.000	130.261	11932.45	0.0021	P	3.7
6	☐	250.000	248.410	23538.17	0.0039	P	8.6
7	☐	500.000	513.878	48414.48	0.0082	P	1.1
8	☐	1000.000	992.652	96257.34	0.0159	P	2.0
9	☐			-63.88	0.0000	P	-119.

$$y = 1.5998\text{E-}005 * x - 2.8297\text{E-}005$$

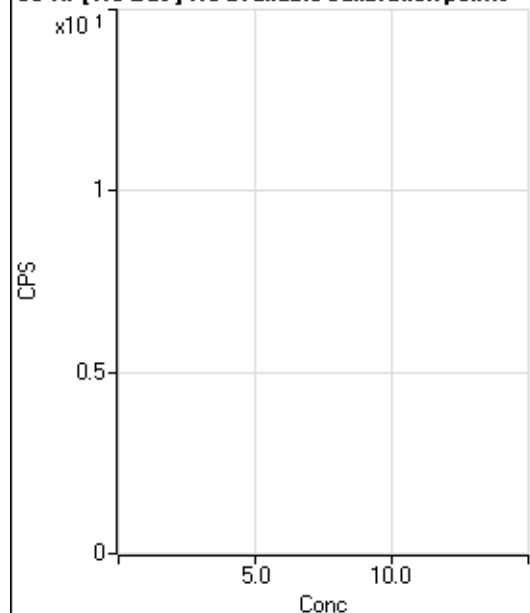
$$R = 0.9998$$

$$DL = 1.573$$

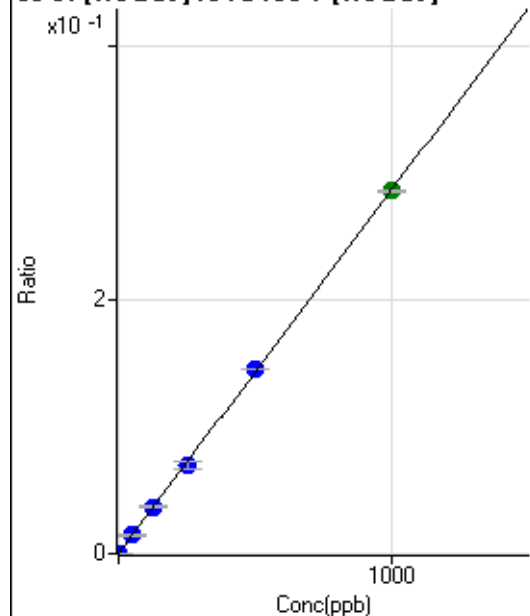
$$BEC = -1.769$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			705.59		P	5.1
2	☐						
3	☐			711.15		P	2.9
4	☐			698.92		P	2.4
5	☐			673.37		P	11.9
6	☐			685.58		P	3.4
7	☐			720.03		P	9.5
8	☐			678.92		P	6.4
9	☐			717.81		P	7.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	822.29	0.0002	P	9.3
2	☐	0.100					
3	☐	1.000	0.924	2344.75	0.0004	P	6.7
4	☐	50.000	50.247	81823.41	0.0145	P	2.2
5	☐	125.000	127.045	211758.94	0.0365	P	4.4
6	☐	250.000	241.920	413665.12	0.0693	P	8.6
7	☐	500.000	507.875	859292.91	0.1454	P	0.6
8	☐	1000.000	997.815	1734253.01	0.2855	A	0.6
9	☐			8653.05	0.0014	P	1.2

$$y = 2.8599E-004 * x + 1.5340E-004$$

$$R = 0.9999$$

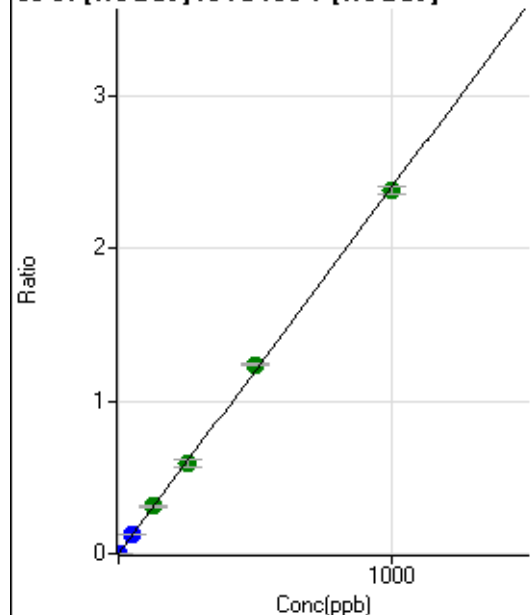
$$DL = 0.1498$$

$$BEC = 0.5364$$

Weight: <None>

Min Conc: 0

88 Sr [NoGas] ISTD:89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	119.45	0.0000	P	26.2
2	☐	0.100					
3	☐	1.000	0.955	12970.57	0.0023	P	2.5
4	☐	50.000	52.197	704549.15	0.1251	P	1.9
5	☐	125.000	130.302	1812129.90	0.3122	A	3.2
6	☐	250.000	248.108	3546081.03	0.5943	A	8.4
7	☐	500.000	517.373	7324276.46	1.2393	A	0.6
8	☐	1000.000	991.014	14415209.00	2.3739	A	2.2
9	☐			66666.55	0.0111	P	3.2

$$y = 0.0024 * x + 2.2261E-005$$

$$R = 0.9998$$

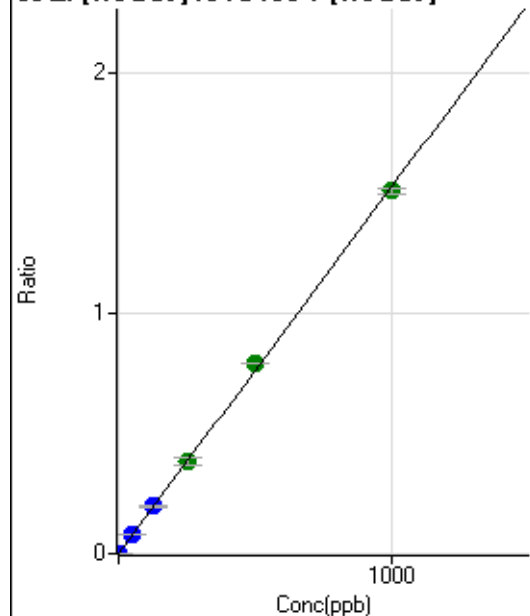
$$DL = 0.007304$$

$$BEC = 0.009293$$

Weight: <None>

Min Conc: 0

90 Zr [NoGas] ISTD:89 Y [NoGas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	344.47	0.0001	P	4.6
2	☐	0.100					
3	☐	1.000	0.937	8372.42	0.0015	P	1.8
4	☐	50.000	51.873	445250.21	0.0790	P	2.2
5	☐	125.000	128.784	1138528.30	0.1961	P	3.1
6	☐	250.000	250.995	2278463.79	0.3822	A	9.6
7	☐	500.000	519.276	4672125.67	0.7906	A	0.6
8	☐	1000.000	989.546	9148206.19	1.5065	A	1.7
9	☐			3995.28	0.0007	P	4.9

$$y = 0.0015 * x + 6.4222E-005$$

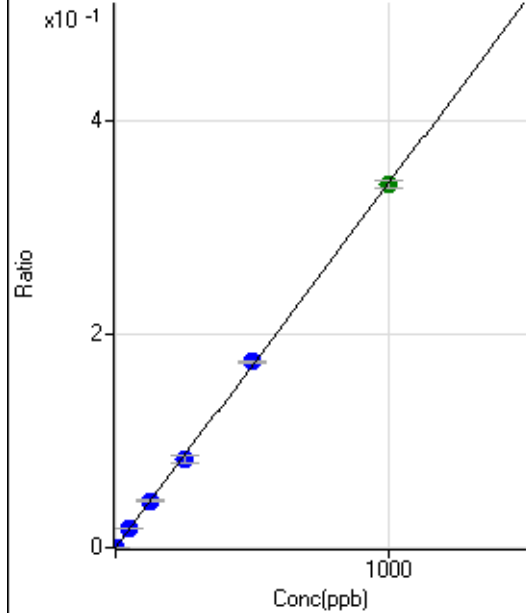
$$R = 0.9997$$

$$DL = 0.005762$$

$$BEC = 0.04219$$

Weight: <None>

Min Conc: 0

91 Zr [NoGas] ISTD:89 Y [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	102.78	0.0000	P	11.6
2	☐	0.100					
3	☐	1.000	0.954	1933.57	0.0003	P	7.5
4	☐	50.000	50.881	97935.16	0.0174	P	1.7
5	☐	125.000	127.400	252456.70	0.0435	P	4.0
6	☐	250.000	241.891	492831.87	0.0826	P	7.7
7	☐	500.000	511.004	1030669.54	0.1744	P	0.9
8	☐	1000.000	996.181	2064465.69	0.3400	A	2.0
9	☐			872.29	0.0001	P	14.5

$$y = 3.4126\text{E-}004 * x + 1.9154\text{E-}005$$

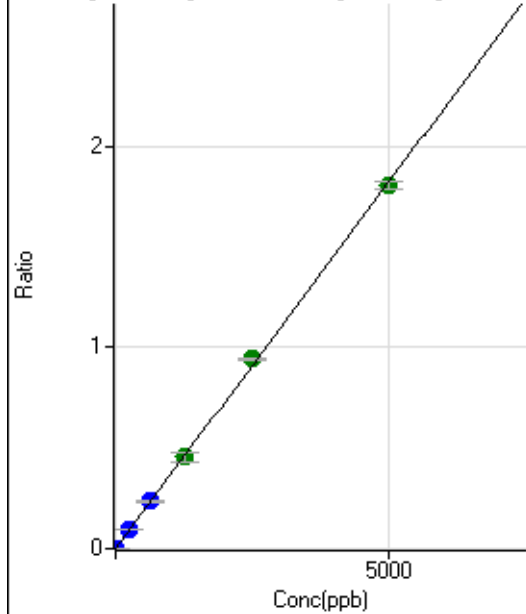
$$R = 0.9999$$

$$DL = 0.01953$$

$$BEC = 0.05613$$

Weight: <None>

Min Conc: 0

94 Mo [NoGas] ISTD:89 Y [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	188.90	0.0000	P	8.4
2	☐	0.500					
3	☐	5.000	4.929	10279.28	0.0018	P	0.8
4	☐	250.000	262.226	538259.45	0.0956	P	2.7
5	☐	625.000	648.682	1371882.93	0.2363	P	3.2
6	☐	1250.000	1250.409	2715986.39	0.4555	A	9.4
7	☐	2500.000	2587.112	5569147.78	0.9424	A	0.9
8	☐	5000.000	4952.770	10954923.08	1.8041	A	2.0
9	☐			6899.29	0.0012	P	8.1

$$y = 3.6425\text{E-}004 * x + 3.5207\text{E-}005$$

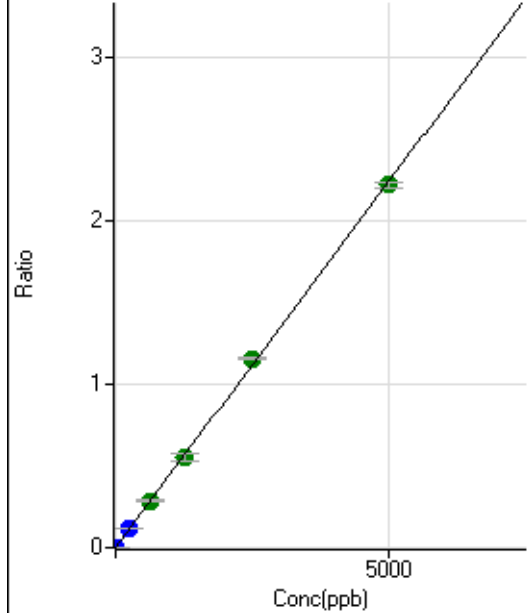
$$R = 0.9998$$

$$DL = 0.02434$$

$$BEC = 0.09666$$

Weight: <None>

Min Conc: 0

95 Mo [NoGas] ISTD : 89 Y [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	47.23	0.0000	P	73.7
2	☐	0.500					
3	☐	5.000	5.009	12636.93	0.0023	P	2.1
4	☐	250.000	260.552	656933.63	0.1166	P	2.6
5	☐	625.000	643.912	1673064.49	0.2882	A	2.9
6	☐	1250.000	1233.881	3295181.04	0.5522	A	8.2
7	☐	2500.000	2581.936	6828787.30	1.1555	A	0.8
8	☐	5000.000	4960.170	13480788.84	2.2198	A	1.3
9	☐			9228.62	0.0015	P	3.3

$$y = 4.4753\text{E-}004 * x + 8.8391\text{E-}006$$

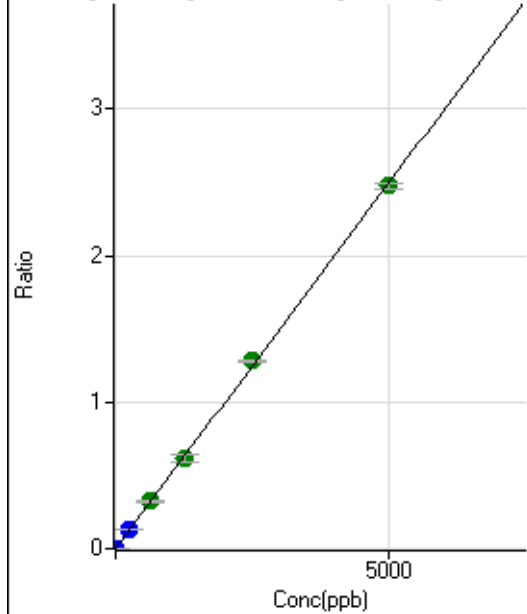
$$R = 0.9998$$

$$DL = 0.04365$$

$$BEC = 0.01975$$

Weight: <None>

Min Conc: 0

96 Mo [NoGas] ISTD : 89 Y [NoGas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	105.56	0.0000	P	34.9
2	☐	0.500					
3	☐	5.000	5.060	14269.17	0.0025	P	2.7
4	☐	250.000	262.657	737464.55	0.1309	P	2.4
5	☐	625.000	653.243	1889982.40	0.3255	A	3.0
6	☐	1250.000	1229.069	3654731.25	0.6125	A	8.3
7	☐	2500.000	2568.446	7564329.60	1.2799	A	0.2
8	☐	5000.000	4966.847	15030544.26	2.4751	A	1.6
9	☐			10993.83	0.0018	P	1.8

$$y = 4.9833\text{E-}004 * x + 1.9653\text{E-}005$$

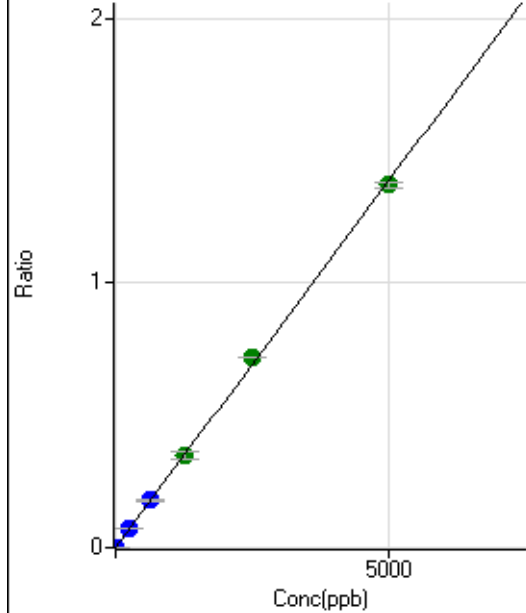
$$R = 0.9998$$

$$DL = 0.04133$$

$$BEC = 0.03944$$

Weight: <None>

Min Conc: 0

97 Mo [NoGas] ISTD : 89 Y [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	188.90	0.0000	P	13.7
2	☐	0.500					
3	☐	5.000	5.019	7999.94	0.0014	P	1.8
4	☐	250.000	263.087	410573.54	0.0729	P	2.5
5	☐	625.000	648.584	1042773.20	0.1796	P	3.1
6	☐	1250.000	1249.685	2064144.12	0.3461	A	8.9
7	☐	2500.000	2597.439	4250591.89	0.7192	A	0.5
8	☐	5000.000	4947.757	8319939.08	1.3700	A	1.4
9	☐			6085.02	0.0010	P	2.3

$$y = 2.7689E-004 * x + 3.5207E-005$$

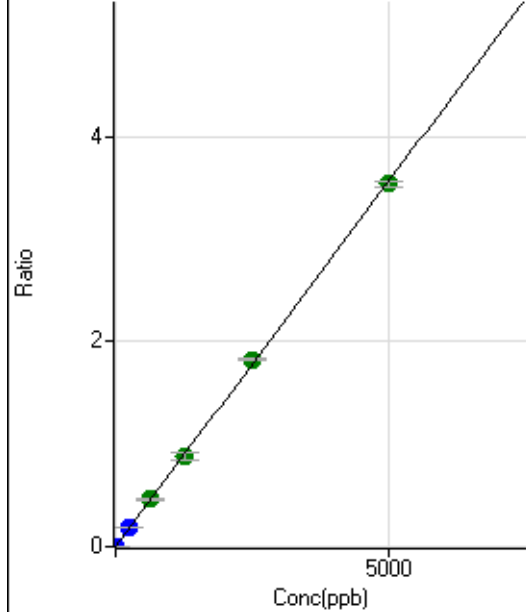
$$R = 0.9997$$

$$DL = 0.05227$$

$$BEC = 0.1272$$

Weight: <None>

Min Conc: 0

98 Mo [NoGas] ISTD : 89 Y [NoGas]

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	40.1
2	☐	0.500					
3	☐	5.000	4.980	19990.56	0.0036	P	2.2
4	☐	250.000	259.535	1041840.31	0.1849	P	2.2
5	☐	625.000	646.827	2675274.93	0.4609	A	3.7
6	☐	1250.000	1235.489	5251477.03	0.8803	A	8.6
7	☐	2500.000	2563.919	10795802.15	1.8268	A	1.1
8	☐	5000.000	4968.463	21497148.92	3.5401	A	1.7
9	☐			14805.95	0.0025	P	1.5

$$y = 7.1251E-004 * x + 1.1918E-005$$

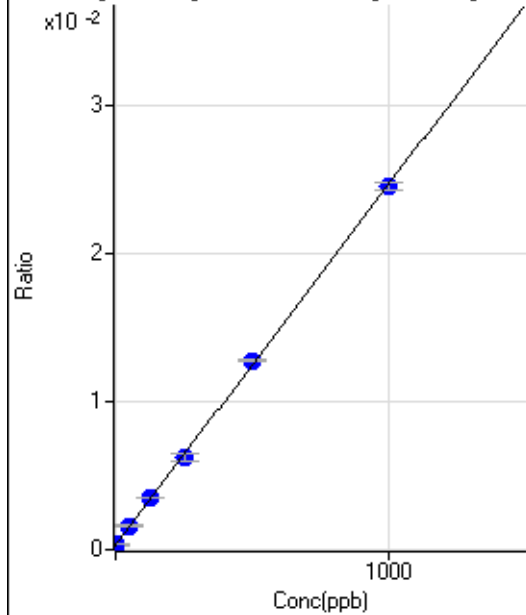
$$R = 0.9999$$

$$DL = 0.02013$$

$$BEC = 0.01673$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1658.52	0.0003	P	2.1
2	☐	0.100					
3	☐	1.000	1.226	1911.34	0.0003	P	9.9
4	☐	50.000	53.547	8972.80	0.0016	P	3.6
5	☐	125.000	130.657	20246.67	0.0035	P	2.5
6	☐	250.000	244.696	37447.36	0.0063	P	9.2
7	☐	500.000	512.616	76501.14	0.0128	P	0.2
8	☐	1000.000	994.133	146430.30	0.0245	P	2.0
9	☐			1950.23	0.0003	P	5.3

$$y = 2.4378E-005 * x + 3.1498E-004$$

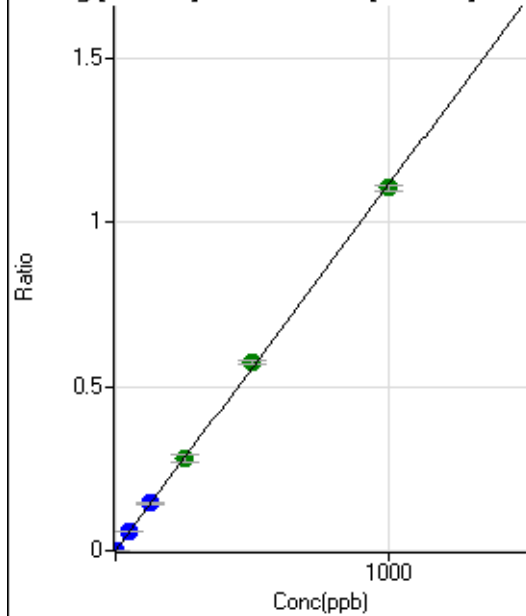
R = 0.9999

DL = 0.8095

BEC = 12.92

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	75.00	0.0000	P	41.2
2	☐	0.100					
3	☐	1.000	0.984	6162.81	0.0011	P	2.5
4	☐	50.000	53.294	328849.02	0.0594	P	2.0
5	☐	125.000	130.417	840303.31	0.1453	P	3.3
6	☐	250.000	251.107	1668774.17	0.2797	A	8.5
7	☐	500.000	514.687	3423625.38	0.5734	A	1.2
8	☐	1000.000	991.538	6588552.40	1.1046	A	1.8
9	☐			480.59	0.0001	P	5.9

$$y = 0.0011 * x + 1.4288E-005$$

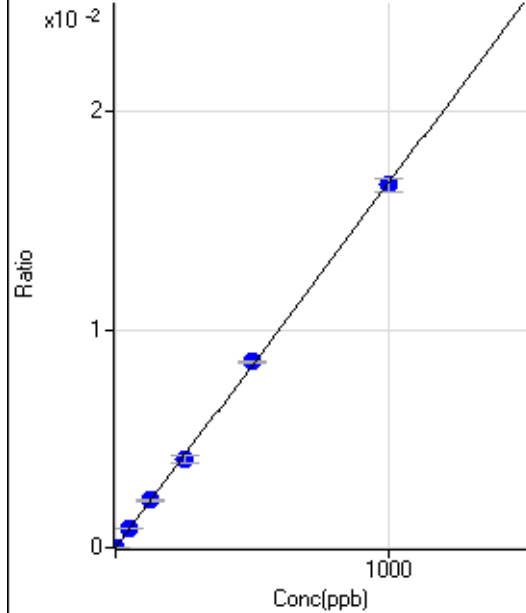
R = 0.9998

DL = 0.01585

BEC = 0.01283

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	12.50	0.0000	P	1.1
2	☐	0.100					
3	☐	1.000	1.042	109.73	0.0000	P	18.1
4	☐	50.000	53.810	4996.86	0.0009	P	5.2
5	☐	125.000	130.764	12672.91	0.0022	P	3.3
6	☐	250.000	244.920	24453.05	0.0041	P	8.6
7	☐	500.000	510.292	50987.81	0.0085	P	1.5
8	☐	1000.000	995.213	99300.03	0.0167	P	3.4
9	☐			22.22	0.0000	P	48.8

$$y = 1.6729E-005 * x + 2.3743E-006$$

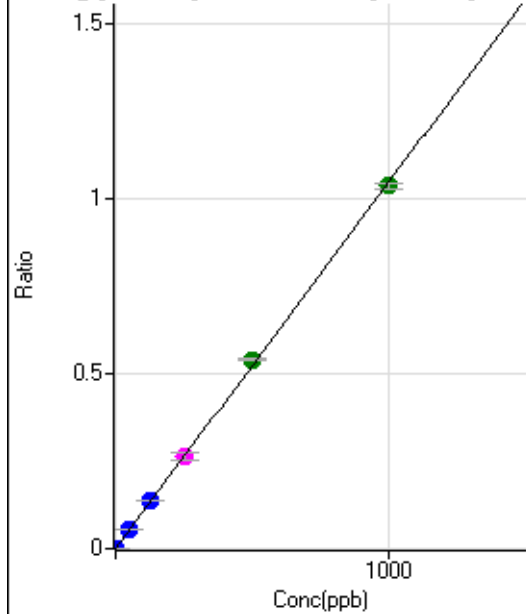
$$R = 0.9999$$

$$DL = 0.004659$$

$$BEC = 0.1419$$

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	47.22	0.0000	P	27.4
2	☐	0.100					
3	☐	1.000	0.994	5815.41	0.0010	P	5.0
4	☐	50.000	53.679	311139.27	0.0562	P	1.4
5	☐	125.000	130.727	791208.05	0.1368	P	3.0
6	☐	250.000	249.706	1558655.25	0.2613	M	8.5
7	☐	500.000	516.493	3227117.84	0.5405	A	1.1
8	☐	1000.000	990.927	6185141.37	1.0369	A	1.5
9	☐			444.47	0.0001	P	10.9

$$y = 0.0010 * x + 8.9793E-006$$

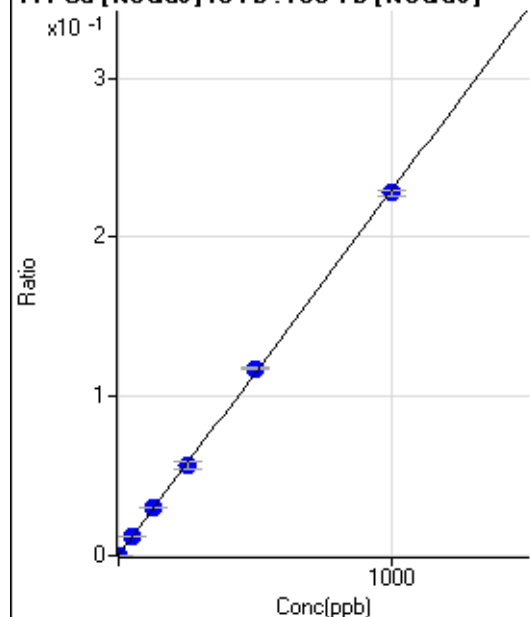
$$R = 0.9998$$

$$DL = 0.007048$$

$$BEC = 0.008581$$

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	1163.32	0.0002	P	2.4
2	☐	0.100					
3	☐	1.000	1.004	2500.11	0.0005	P	7.2
4	☐	50.000	52.853	68280.66	0.0123	P	1.6
5	☐	125.000	130.241	173845.54	0.0301	P	3.1
6	☐	250.000	247.559	339598.22	0.0569	P	8.7
7	☐	500.000	512.345	702184.14	0.1176	P	0.5
8	☐	1000.000	993.640	1359111.13	0.2279	P	1.9
9	☐			1462.12	0.0002	P	4.5

$$y = 2.2909\text{E-}004 * x + 2.2093\text{E-}004$$

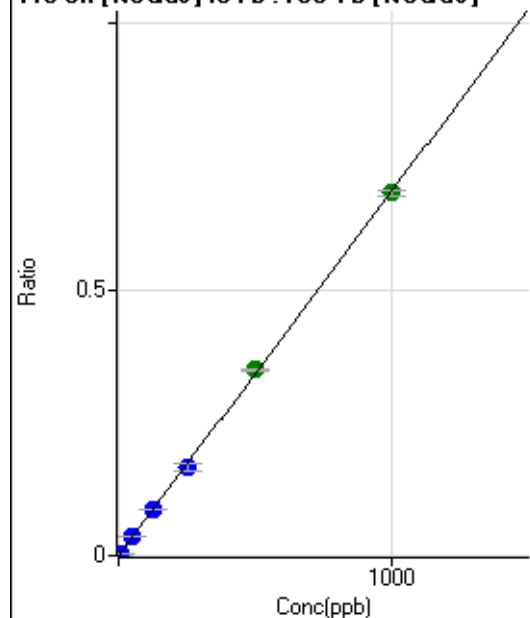
$$R = 0.9999$$

$$DL = 0.07045$$

$$BEC = 0.9644$$

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	230.57	0.0000	P	8.6
2	☐	0.500					
3	☐	5.000	4.892	18797.20	0.0034	P	1.9
4	☐	50.000	51.613	195696.75	0.0353	P	1.9
5	☐	125.000	126.382	500129.76	0.0865	P	2.8
6	☐	250.000	241.879	987028.34	0.1654	P	8.3
7	☐	500.000	510.547	2084893.95	0.3492	A	0.9
8	☐	1000.000	996.504	4064873.66	0.6814	A	1.6
9	☐			3789.60	0.0006	P	2.6

$$y = 6.8379\text{E-}004 * x + 4.3819\text{E-}005$$

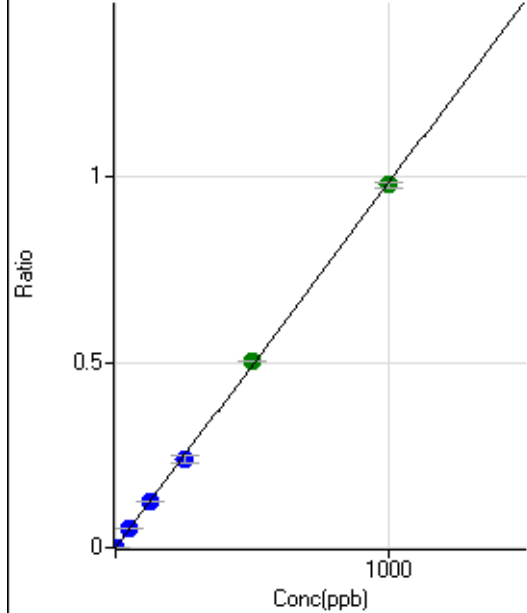
$$R = 0.9999$$

$$DL = 0.0166$$

$$BEC = 0.06408$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	69.45	0.0000	P	37.7
2	☐	0.200					
3	☐	2.000	1.840	10123.71	0.0018	P	1.3
4	☐	50.000	51.429	280506.26	0.0506	P	1.4
5	☐	125.000	127.083	723877.06	0.1251	P	2.3
6	☐	250.000	243.165	1428160.67	0.2394	P	8.6
7	☐	500.000	513.182	3017261.42	0.5053	A	0.2
8	☐	1000.000	994.786	5842590.63	0.9795	A	1.5
9	☐			7202.24	0.0012	P	4.8

$$y = 9.8459\text{E-}004 * x + 1.3166\text{E-}005$$

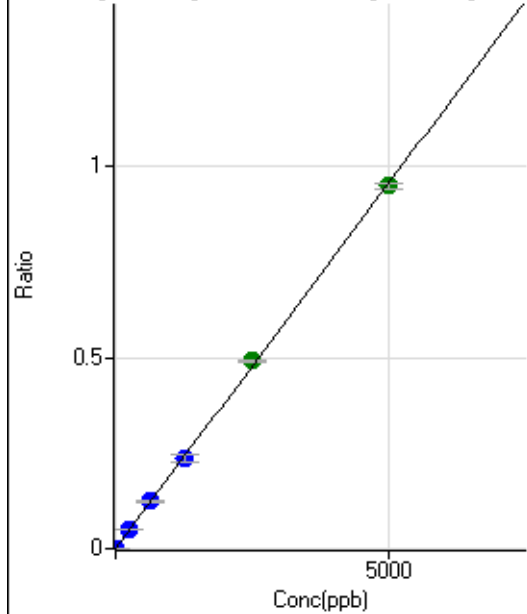
$$R = 0.9998$$

$$DL = 0.01512$$

$$BEC = 0.01337$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.12	0.0000	P	35.4
2	☐	1.000					
3	☐	10.000	9.824	10485.15	0.0019	P	2.4
4	☐	250.000	260.509	275994.27	0.0498	P	1.8
5	☐	625.000	645.231	713730.06	0.1234	P	3.6
6	☐	1250.000	1227.802	1400742.86	0.2348	P	8.7
7	☐	2500.000	2568.655	2933556.08	0.4913	A	0.9
8	☐	5000.000	4968.168	5667877.30	0.9502	A	1.8
9	☐			755.62	0.0001	P	9.4

$$y = 1.9126\text{E-}004 * x + 1.1638\text{E-}005$$

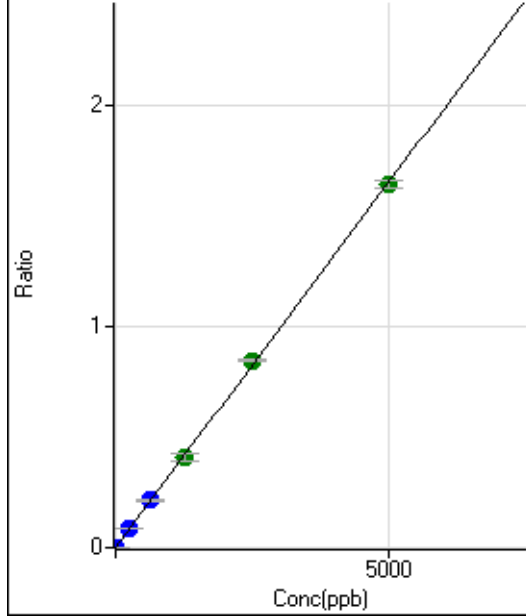
$$R = 0.9998$$

$$DL = 0.06462$$

$$BEC = 0.06085$$

Weight: <None>

Min Conc: 0

¹³⁷Ba [No Gas] ISTD : ¹⁵⁹Tb [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	77.78	0.0000	P	35.6
2	☐	1.000					
3	☐	10.000	9.933	18246.68	0.0033	P	1.7
4	☐	250.000	262.959	480213.80	0.0867	P	2.0
5	☐	625.000	648.361	1236193.59	0.2138	P	4.0
6	☐	1250.000	1240.886	2439235.62	0.4091	A	9.5
7	☐	2500.000	2561.349	5042567.39	0.8445	A	1.0
8	☐	5000.000	4968.036	9769961.15	1.6380	A	2.1
9	☐			1330.69	0.0002	P	5.5

$$y = 3.2970\text{E-}004 * x + 1.4810\text{E-}005$$

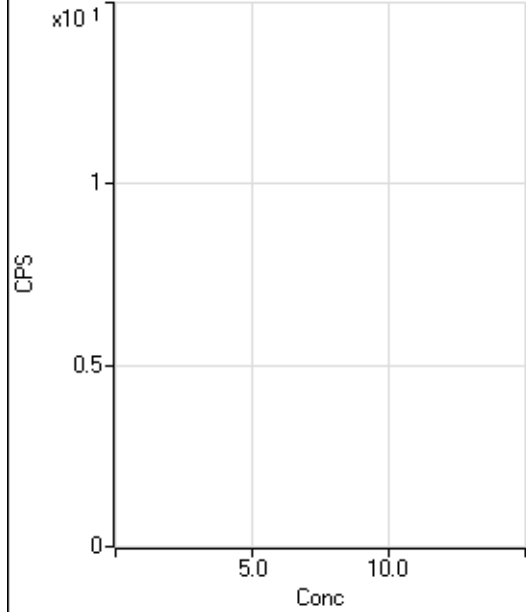
$$R = 0.9999$$

$$DL = 0.04796$$

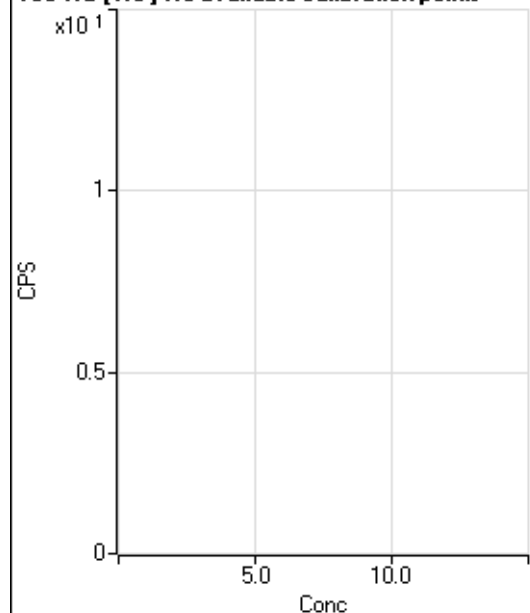
$$BEC = 0.04492$$

Weight: <None>

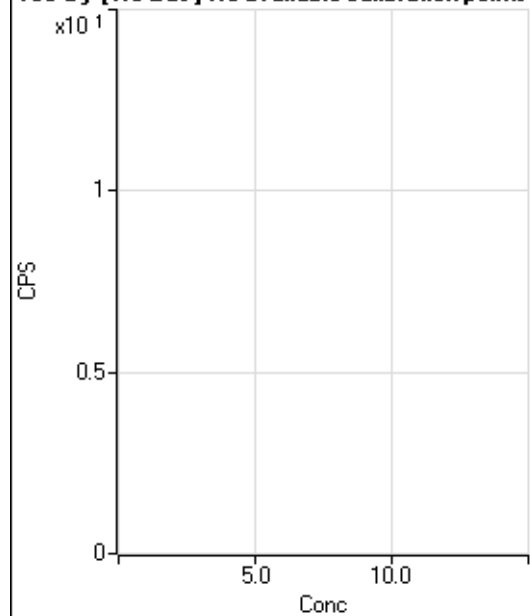
Min Conc: 0

¹⁵⁰Nd [No Gas] No available calibration points

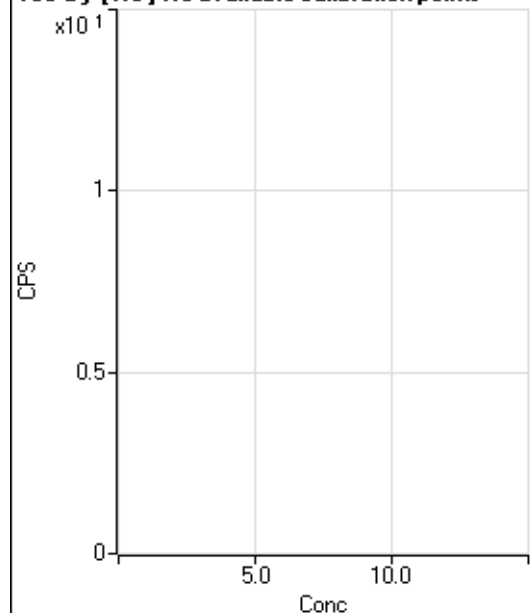
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	100.0
2	☐						
3	☐			6.67		P	100.0
4	☐			35.56		P	28.6
5	☐			51.11		P	74.2
6	☐			84.45		P	27.7
7	☐			117.79		P	19.9
8	☐			246.68		P	9.7
9	☐			84.45		P	16.4

150 Nd [He] No available calibration points

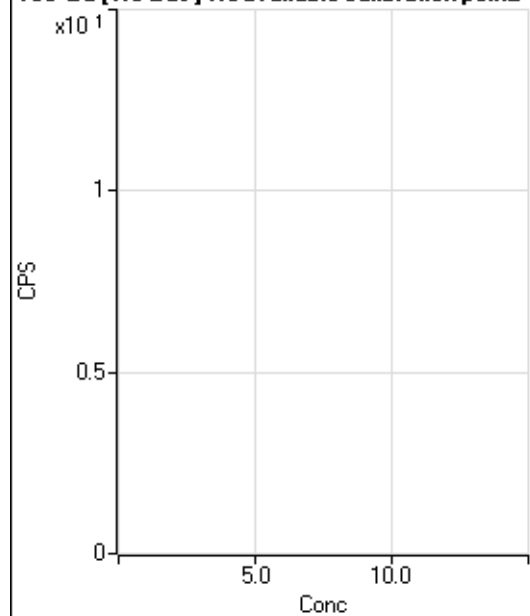
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			0.00		P	
5	☐			3.33		P	100.1
6	☐			1.11		P	173.2
7	☐			4.45		P	86.6
8	☐			18.89		P	27.0
9	☐			27.78		P	42.1

156 Dy [No Gas] No available calibration points

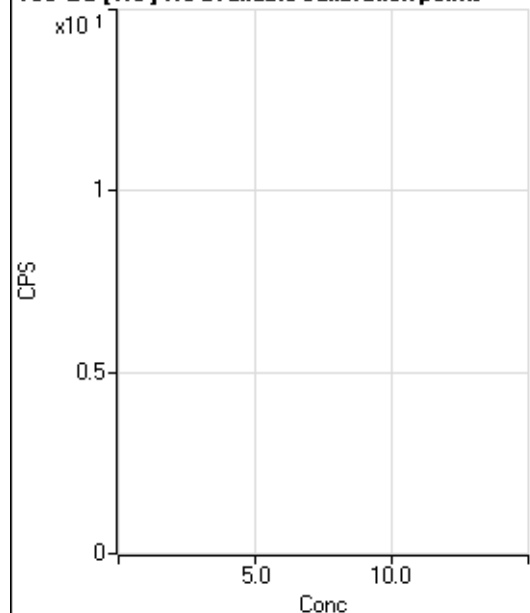
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	21.6
2	☐						
3	☐			16.67		P	NaN
4	☐			25.00		P	0.0
5	☐			16.67		P	132.3
6	☐			36.11		P	35.3
7	☐			50.00		P	44.1
8	☐			86.12		P	20.1
9	☐			58.34		P	14.3

156 Dy [He] No available calibration points

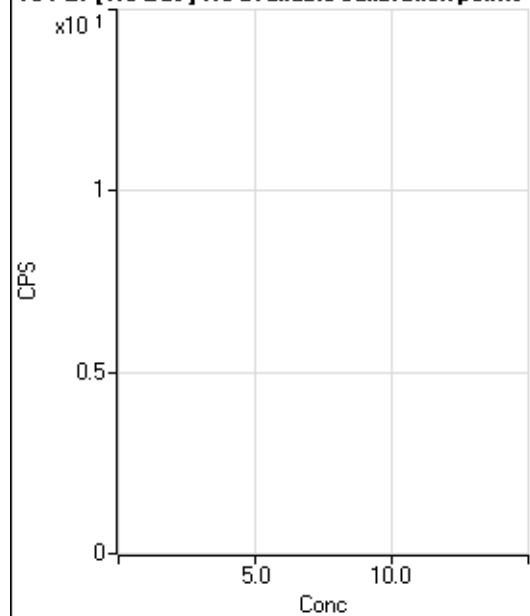
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.1
2	☐						
3	☐			0.00		P	
4	☐			3.33		P	100.1
5	☐			3.33		P	0.0
6	☐			3.33		P	100.1
7	☐			3.33		P	100.1
8	☐			12.22		P	78.7
9	☐			17.78		P	39.0

160 Gd [No Gas] No available calibration poin_

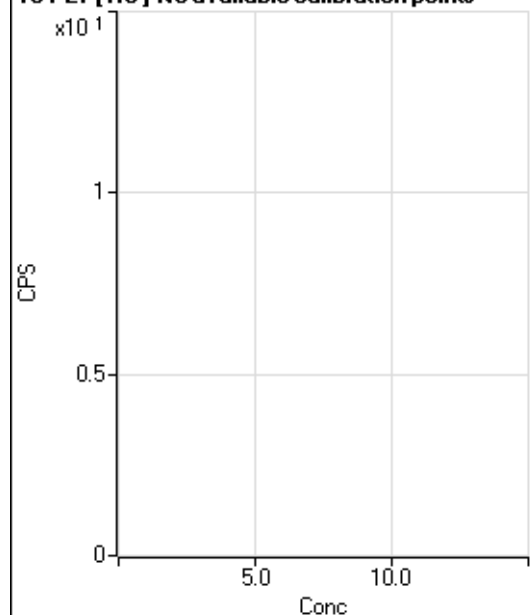
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			33.33		P	50.0
2	☐						
3	☐			41.67		P	34.6
4	☐			44.45		P	10.8
5	☐			33.34		P	86.6
6	☐			47.22		P	36.7
7	☐			72.23		P	24.0
8	☐			66.67		P	33.1
9	☐			72.23		P	6.7

160 Gd [He] No available calibration points

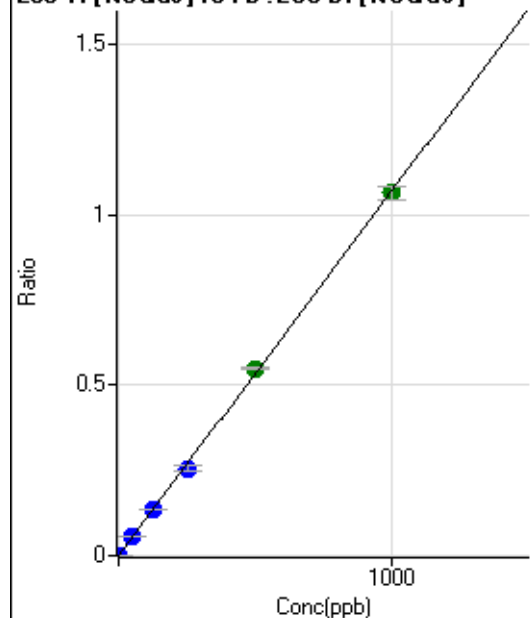
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	69.3
2	☐						
3	☐			8.89		P	78.1
4	☐			11.11		P	45.8
5	☐			4.44		P	173.2
6	☐			15.56		P	32.7
7	☐			13.34		P	43.3
8	☐			12.22		P	103.3
9	☐			15.56		P	32.7

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			16.67		P	100.0
2	☐						
3	☐			19.45		P	107.9
4	☐			25.00		P	33.3
5	☐			11.11		P	173.2
6	☐			16.67		P	50.0
7	☐			38.89		P	44.6
8	☐			27.78		P	45.8
9	☐			50.00		P	60.1

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.55		P	124.9
2	☐						
3	☐			2.22		P	86.6
4	☐			2.22		P	86.6
5	☐			4.44		P	43.4
6	☐			5.56		P	91.6
7	☐			11.11		P	75.5
8	☐			6.67		P	86.6
9	☐			10.00		P	33.3

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	38.89	0.0000	P	32.1
2	☐	0.100					
3	☐	1.000	0.946	3172.77	0.0010	P	7.1
4	☐	50.000	50.940	167267.63	0.0545	P	2.3
5	☐	125.000	125.428	429494.33	0.1342	P	1.5
6	☐	250.000	239.910	848219.16	0.2567	P	8.6
7	☐	500.000	513.426	1824650.02	0.5493	A	1.4
8	☐	1000.000	995.709	3442311.32	1.0652	A	3.4
9	☐			388.92	0.0001	P	11.7

$$y = 0.0011 * x + 1.3095E-005$$

$$R = 0.9998$$

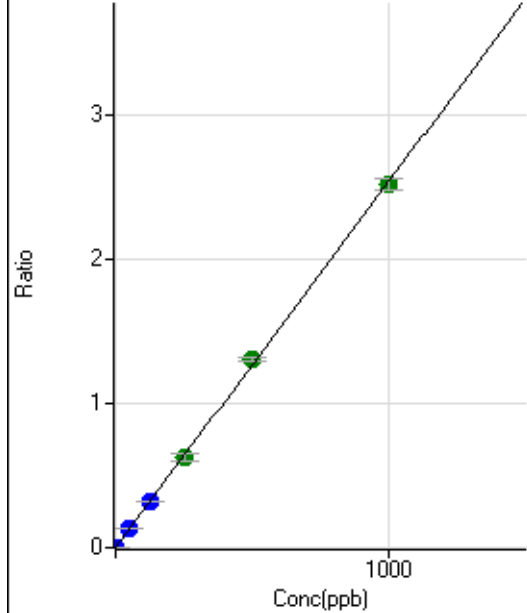
$$DL = 0.01181$$

$$BEC = 0.01224$$

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	97.23	0.0000	P	13.7
2	☐	0.100					
3	☐	1.000	0.948	7533.14	0.0024	P	0.8
4	☐	50.000	51.344	398958.12	0.1300	P	2.5
5	☐	125.000	126.826	1027598.23	0.3211	P	2.1
6	☐	250.000	247.112	2067547.14	0.6256	A	8.5
7	☐	500.000	516.798	4345912.29	1.3083	A	2.0
8	☐	1000.000	992.028	8115859.12	2.5114	A	3.2
9	☐			1169.55	0.0004	P	2.2

$$y = 0.0025 * x + 3.2808E-005$$

$$R = 0.9998$$

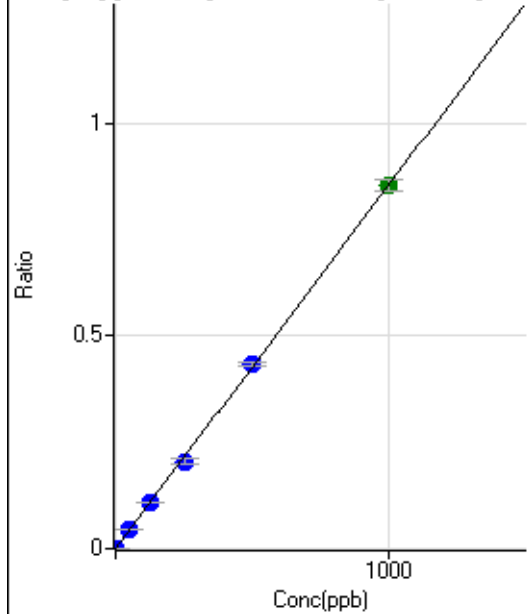
$$DL = 0.005342$$

$$BEC = 0.01296$$

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	255.57	0.0001	P	8.4
2	☐	0.100					
3	☐	1.000	0.947	2772.62	0.0009	P	2.9
4	☐	50.000	51.443	135200.64	0.0441	P	2.1
5	☐	125.000	126.949	347551.91	0.1086	P	1.6
6	☐	250.000	240.637	679980.55	0.2058	P	8.7
7	☐	500.000	507.145	1440265.20	0.4336	P	1.4
8	☐	1000.000	998.453	2758254.43	0.8535	A	3.0
9	☐			4274.94	0.0014	P	2.2

$$y = 8.5473E-004 * x + 8.6210E-005$$

$$R = 0.9999$$

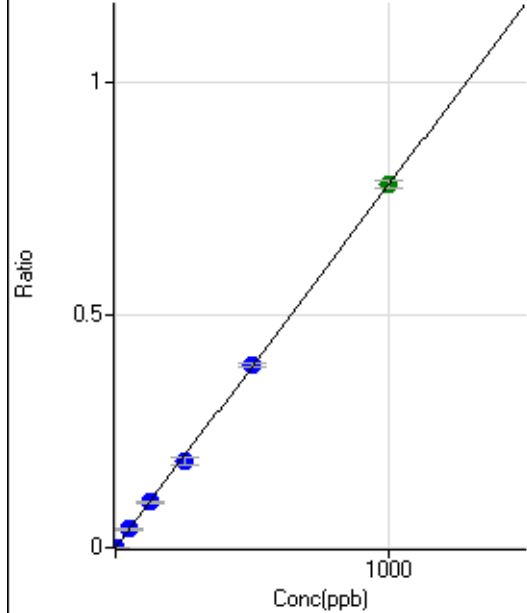
$$DL = 0.02544$$

$$BEC = 0.1009$$

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	211.12	0.0001	P	24.0
2	☐	0.100					
3	☐	1.000	0.957	2526.26	0.0008	P	5.2
4	☐	50.000	50.752	121318.04	0.0395	P	2.2
5	☐	125.000	125.851	313385.63	0.0979	P	2.1
6	☐	250.000	239.557	615911.94	0.1863	P	8.3
7	☐	500.000	503.722	1301302.72	0.3917	P	1.7
8	☐	1000.000	1000.606	2515018.92	0.7781	A	2.0
9	☐			3602.47	0.0012	P	3.6

$$y = 7.7754E-004 * x + 7.1259E-005$$

$$R = 0.9999$$

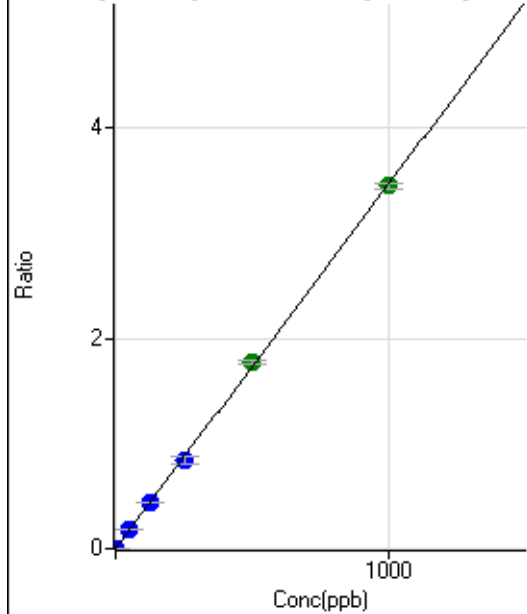
$$DL = 0.06604$$

$$BEC = 0.09165$$

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	988.94	0.0003	P	12.4
2	☐	0.100					
3	☐	1.000	0.950	11241.18	0.0036	P	0.8
4	☐	50.000	51.235	546398.07	0.1780	P	2.2
5	☐	125.000	126.811	1408819.20	0.4402	P	1.7
6	☐	250.000	241.099	2765444.31	0.8366	P	8.2
7	☐	500.000	512.707	5908678.35	1.7787	A	1.8
8	☐	1000.000	995.583	11162982.86	3.4536	A	1.9
9	☐			16945.73	0.0055	P	2.0

$$y = 0.0035 * x + 3.3358E-004$$

$$R = 0.9998$$

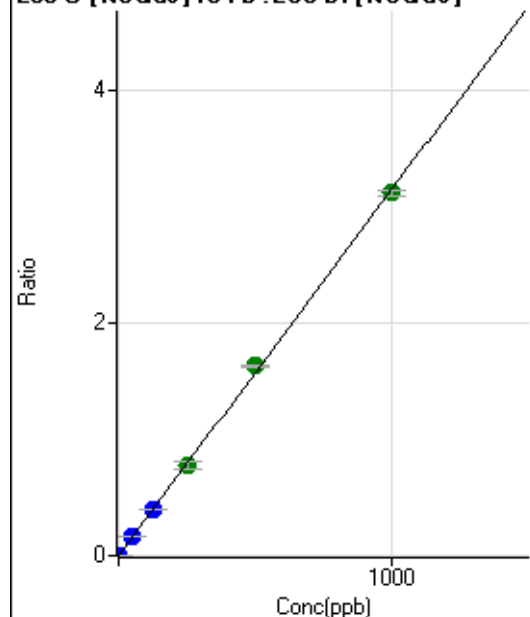
$$DL = 0.03591$$

$$BEC = 0.09617$$

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	136.12	0.0000	P	13.5
2	☐	0.100					
3	☐	1.000	0.934	9226.08	0.0030	P	4.5
4	☐	50.000	50.529	487299.10	0.1588	P	1.6
5	☐	125.000	126.156	1268556.90	0.3964	P	1.4
6	☐	250.000	245.116	2545072.99	0.7700	A	8.5
7	☐	500.000	518.800	5414313.88	1.6298	A	1.2
8	☐	1000.000	991.650	10069507.86	3.1152	A	1.6
9	☐			619.49	0.0002	P	14.8

$$y = 0.0031 * x + 4.5880E-005$$

$$R = 0.9997$$

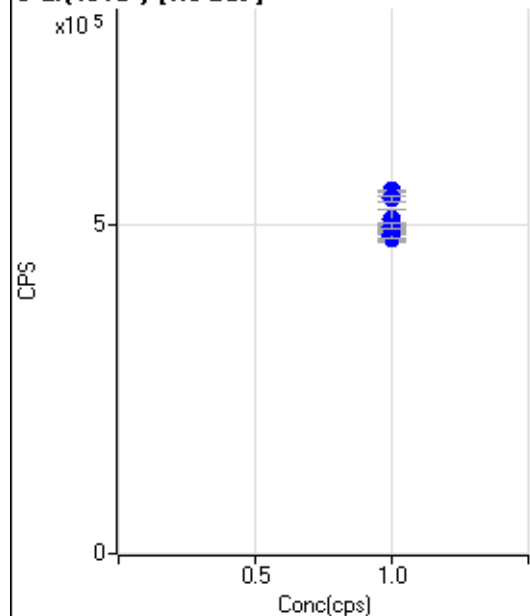
$$DL = 0.00593$$

$$BEC = 0.01461$$

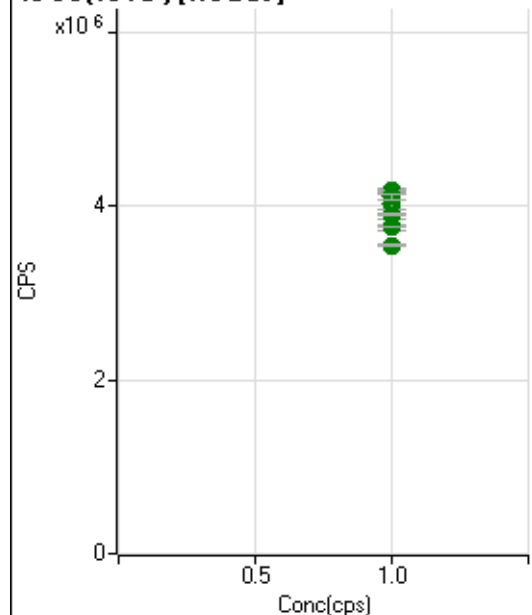
Weight: <None>

Min Conc: 0

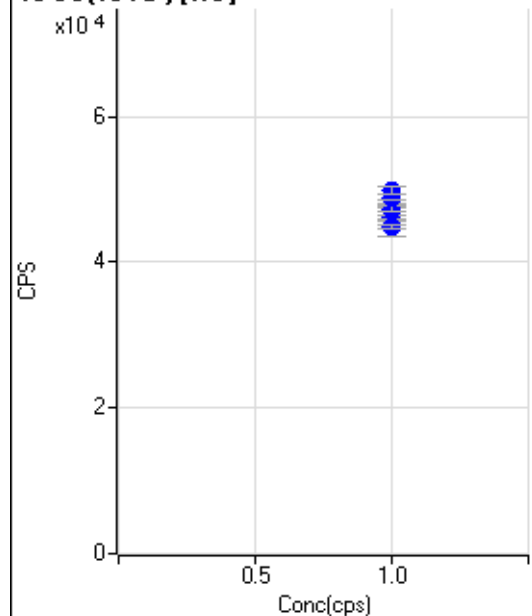
6 Li(ISTD) [No Gas]



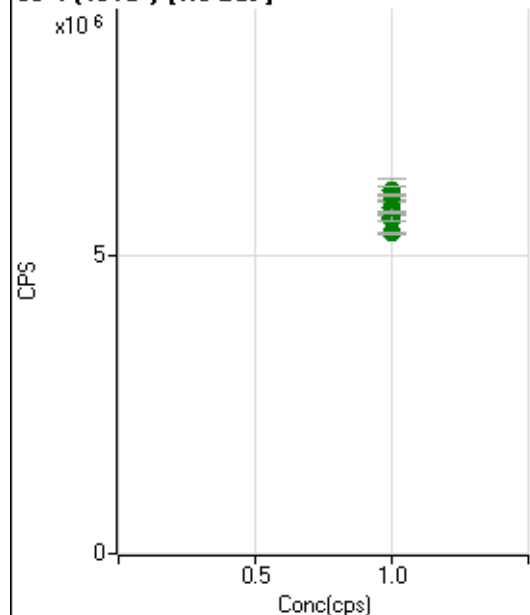
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		499011.58		P	0.7
2	☐	1.000					
3	☐	1.000		481299.76		P	2.9
4	☐	1.000		483106.61		P	1.8
5	☐	1.000		485702.96		P	2.2
6	☐	1.000		509700.02		P	5.8
7	☐	1.000		498304.90		P	1.6
8	☐	1.000		552505.59		P	0.9
9	☐	1.000		540529.72		P	1.3

45 Sc(ISTD) [NoGas]

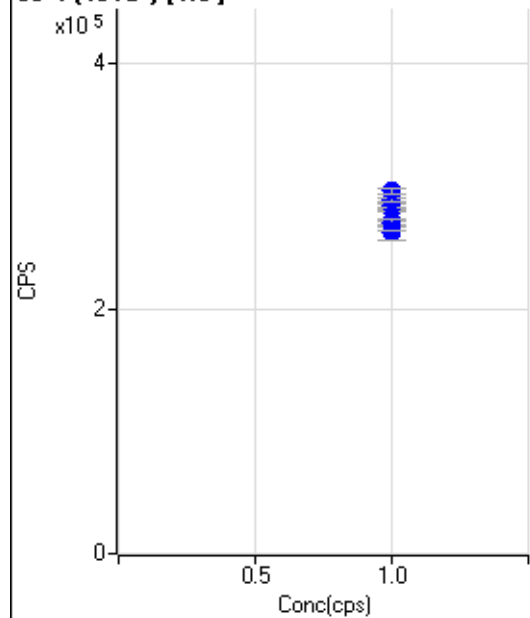
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3549799.86		A	0.8
2	☐	1.000					
3	☐	1.000		3757468.31		A	1.8
4	☐	1.000		3763901.65		A	0.4
5	☐	1.000		3909491.19		A	2.6
6	☐	1.000		4025868.02		A	8.5
7	☐	1.000		3898489.89		A	0.5
8	☐	1.000		4173438.37		A	0.6
9	☐	1.000		4103393.97		A	1.3

45 Sc(ISTD) [He]

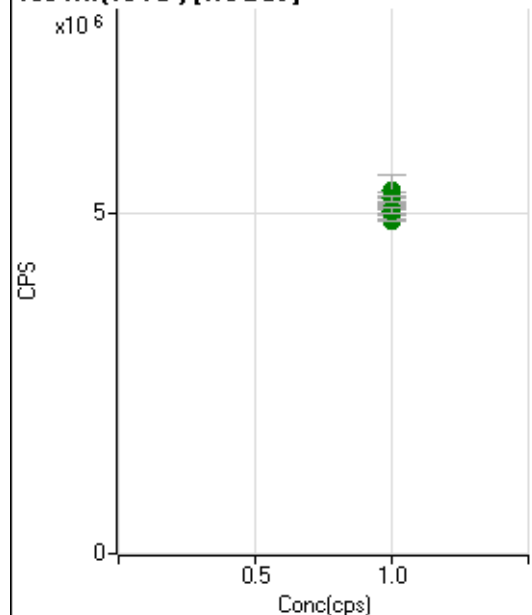
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		45024.62		P	6.4
2	☐	1.000					
3	☐	1.000		46182.41		P	0.7
4	☐	1.000		45688.75		P	0.5
5	☐	1.000		44884.98		P	1.2
6	☐	1.000		47756.58		P	0.9
7	☐	1.000		47357.49		P	1.5
8	☐	1.000		48929.57		P	1.5
9	☐	1.000		49787.00		P	2.2

89 Y (ISTD) [No Gas]

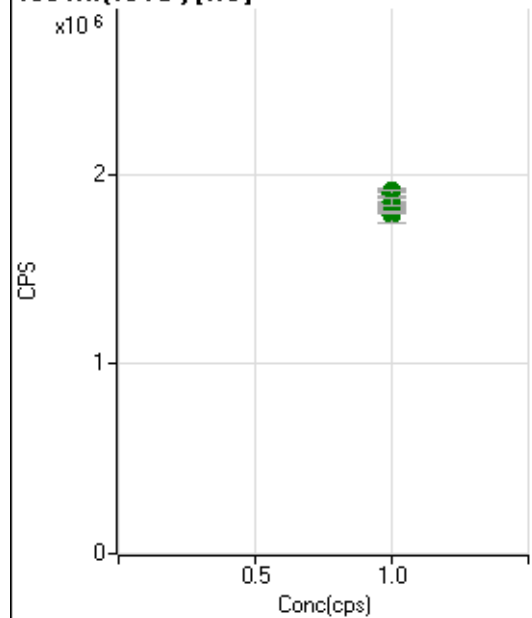
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5362982.84		A	0.8
2	☐	1.000					
3	☐	1.000		5615916.79		A	2.0
4	☐	1.000		5635244.64		A	2.0
5	☐	1.000		5809615.40		A	3.6
6	☐	1.000		5996120.26		A	8.9
7	☐	1.000		5909953.59		A	0.9
8	☐	1.000		6073885.74		A	2.0
9	☐	1.000		5993289.98		A	0.7

89 Y (ISTD) [He]

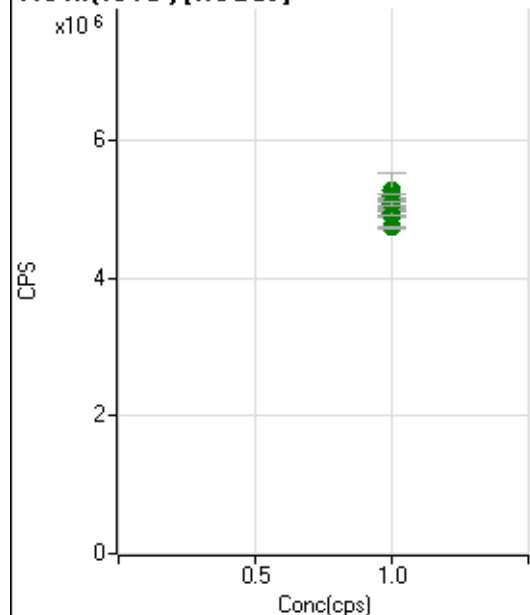
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		262606.63		P	4.8
2	☐	1.000					
3	☐	1.000		272039.42		P	0.7
4	☐	1.000		270062.19		P	1.9
5	☐	1.000		263945.84		P	0.4
6	☐	1.000		280683.03		P	0.7
7	☐	1.000		284191.02		P	0.8
8	☐	1.000		288823.24		P	1.3
9	☐	1.000		296284.85		P	1.3

103 Rh(ISTD) [NoGas]

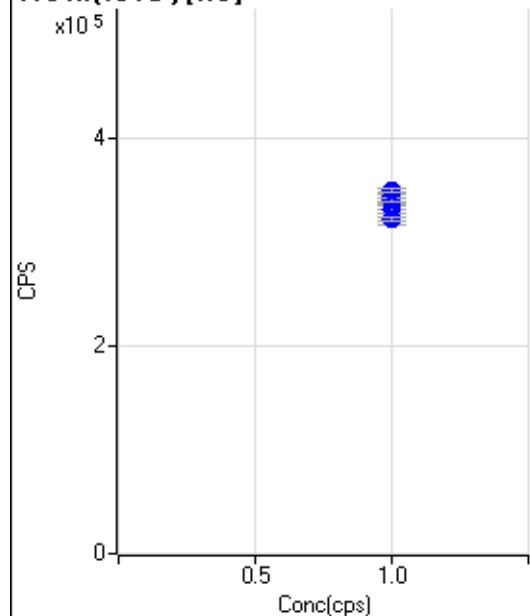
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4897401.45		A	0.7
2	☐	1.000					
3	☐	1.000		5117197.60		A	2.6
4	☐	1.000		5047189.35		A	2.4
5	☐	1.000		5233077.55		A	3.7
6	☐	1.000		5337084.76		A	9.2
7	☐	1.000		5188494.61		A	1.3
8	☐	1.000		5231317.09		A	1.7
9	☐	1.000		5042045.12		A	1.6

103 Rh(ISTD) [He]

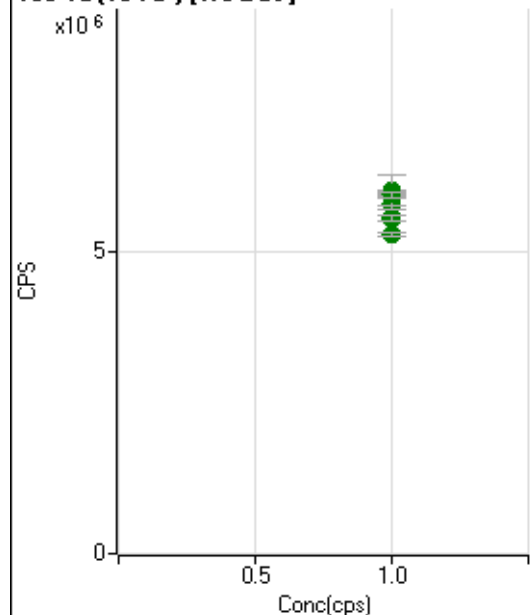
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1784263.43		A	4.8
2	☐	1.000					
3	☐	1.000		1844350.58		A	0.5
4	☐	1.000		1836694.30		A	2.6
5	☐	1.000		1803615.94		A	0.6
6	☐	1.000		1897187.02		A	1.5
7	☐	1.000		1915062.70		A	1.0
8	☐	1.000		1906102.87		A	1.4
9	☐	1.000		1855816.03		A	2.4

115 In(ISTD) [NoGas]

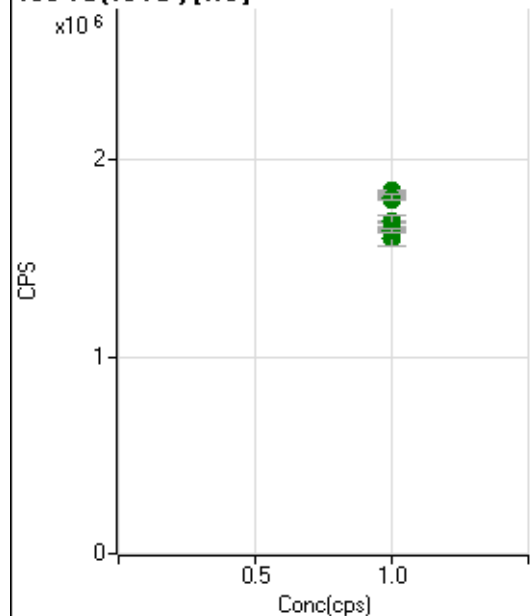
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4734428.13		A	1.0
2	☐	1.000					
3	☐	1.000		4919839.85		A	1.7
4	☐	1.000		4948174.22		A	1.8
5	☐	1.000		5085908.05		A	3.1
6	☐	1.000		5265297.83		A	9.6
7	☐	1.000		5141898.04		A	0.7
8	☐	1.000		5191705.01		A	1.0
9	☐	1.000		5081354.58		A	1.0

115 In(ISTD) [He]

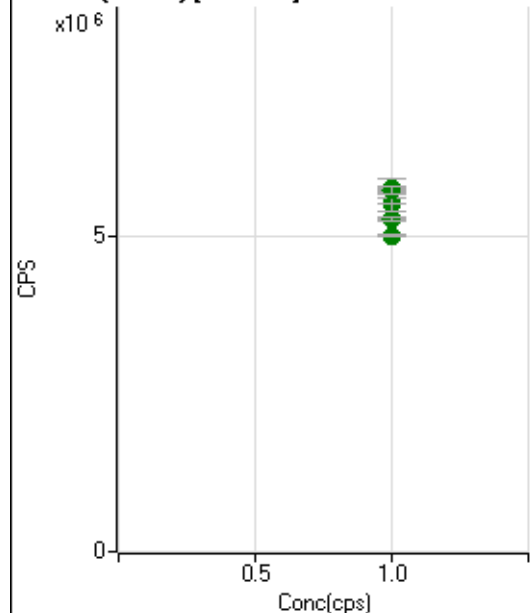
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		323952.55		P	4.4
2	☐	1.000					
3	☐	1.000		330917.96		P	2.1
4	☐	1.000		331851.19		P	2.6
5	☐	1.000		322472.57		P	0.8
6	☐	1.000		344839.77		P	1.0
7	☐	1.000		347759.46		P	0.7
8	☐	1.000		341292.76		P	1.0
9	☐	1.000		349271.74		P	1.2

159 Tb(ISTD) [NoGas]

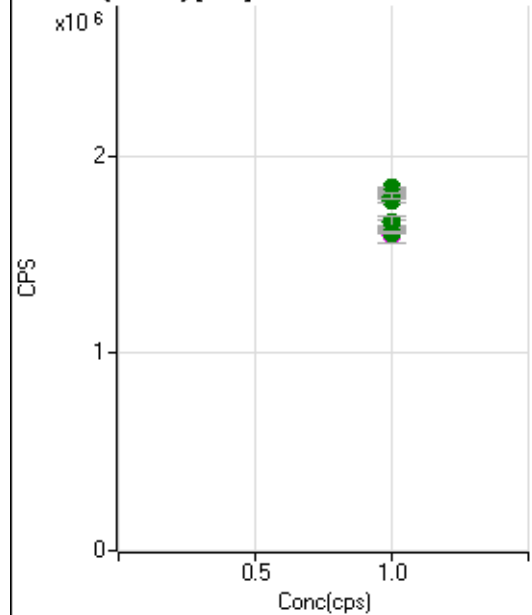
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5265208.08		A	1.1
2	☐	1.000					
3	☐	1.000		5547561.72		A	2.0
4	☐	1.000		5538824.92		A	1.4
5	☐	1.000		5787371.79		A	3.1
6	☐	1.000		5994626.86		A	8.7
7	☐	1.000		5971344.50		A	0.6
8	☐	1.000		5966108.31		A	1.8
9	☐	1.000		5926225.60		A	2.0

159 Tb(ISTD) [He]

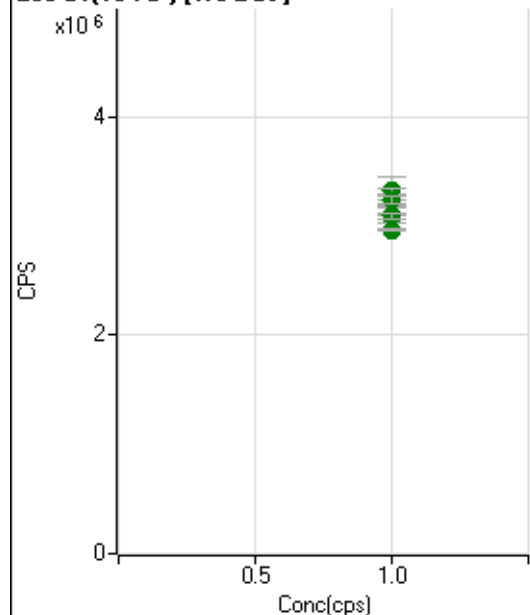
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1601578.92		A	4.8
2	☐	1.000					
3	☐	1.000		1683434.36		A	0.4
4	☐	1.000		1687858.88		A	3.0
5	☐	1.000		1638186.82		A	1.3
6	☐	1.000		1806187.68		A	0.5
7	☐	1.000		1840956.38		A	0.8
8	☐	1.000		1800124.90		A	0.4
9	☐	1.000		1808557.56		A	1.4

165 Ho(ISTD) [NoGas]

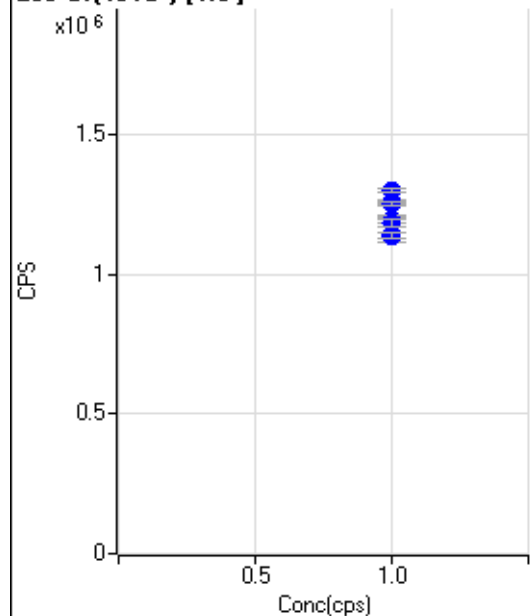
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5015303.84		A	0.3
2	☐	1.000					
3	☐	1.000		5288815.27		A	0.8
4	☐	1.000		5277972.99		A	1.5
5	☐	1.000		5511324.99		A	3.6
6	☐	1.000		5728990.19		A	7.0
7	☐	1.000		5756832.77		A	0.8
8	☐	1.000		5726590.36		A	0.8
9	☐	1.000		5727010.76		A	2.2

165 Ho(ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1594174.41		M	4.5
2	☐	1.000					
3	☐	1.000		1663260.39		A	1.5
4	☐	1.000		1668347.82		A	3.2
5	☐	1.000		1610656.04		A	0.9
6	☐	1.000		1776481.36		A	1.5
7	☐	1.000		1838415.13		A	0.9
8	☐	1.000		1809105.10		A	1.2
9	☐	1.000		1797561.52		A	1.3

209 Bi(ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2965374.75		A	0.7
2	☐	1.000					
3	☐	1.000		3096586.87		A	1.6
4	☐	1.000		3069697.11		A	2.1
5	☐	1.000		3201249.98		A	2.2
6	☐	1.000		3319993.67		A	8.0
7	☐	1.000		3322508.87		A	1.8
8	☐	1.000		3233080.82		A	2.1
9	☐	1.000		3092606.07		A	1.4

209 Bi(ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1139452.75		P	4.7
2	☐	1.000					
3	☐	1.000		1193094.21		P	1.2
4	☐	1.000		1193817.52		P	2.5
5	☐	1.000		1137479.13		P	1.3
6	☐	1.000		1259925.51		P	1.1
7	☐	1.000		1297024.77		P	1.2
8	☐	1.000		1253656.28		P	1.2
9	☐	1.000		1183546.01		P	2.0

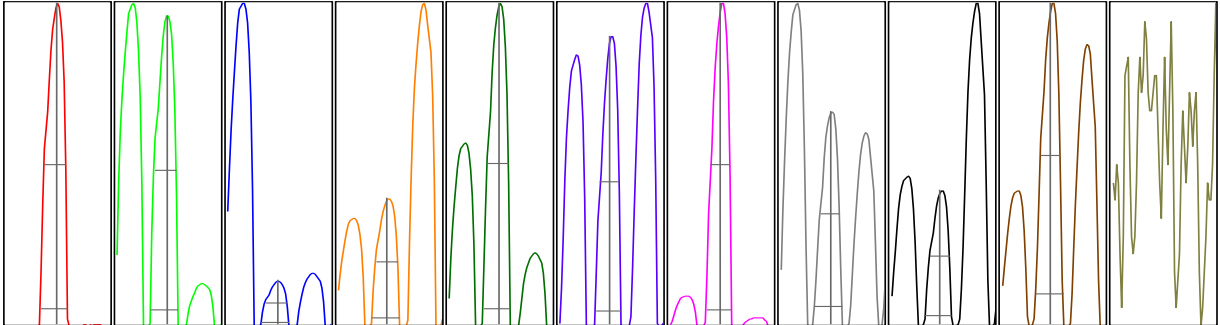
US EPA Tune Check Sample Report

Batch Folder D:\P8122118 MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	3551	0.74	5.00	
24	41531	1.12	5.00	
25	5738	0.87	5.00	
26	6846	1.00	5.00	
59	47665	0.75	5.00	
113	5123	0.61	5.00	
115	61849	0.97	5.00	
206	10381	0.45	5.00	
207	9478	0.52	5.00	
208	22182	0.69	5.00	
220	1	45.38		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	3522	3556	3526	3583	3567
24	40926	41171	41670	41923	41967
25	5675	5700	5760	5798	5758
26	6768	6851	6809	6855	6951
59	47370	47357	47511	47943	48143
113	5155	5084	5132	5096	5147
115	62863	61795	61781	61400	61409
206	10412	10317	10382	10356	10437
207	9454	9447	9475	9449	9563
208	22043	21985	22296	22292	22291
220	1	1	2	1	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width- X% (Flag)
9	6181	9.00	8.9 - 9.1		0.782	0.900	
24	70535	24.00	23.9 - 24.1		0.786	0.900	
25	9644	25.00	24.9 - 25.1		0.787	0.900	
26	11477	25.95	25.9 - 26.1		0.786	0.900	
59	83555	59.00	58.9 - 59.1		0.781	0.900	
113	9709	113.00	112.9 - 113.1		0.732	0.900	
115	116662	115.00	114.9 - 115.1		0.732	0.900	
206	19011	206.00	205.9 - 206.1		0.784	0.900	
207	17112	206.95	206.9 - 207.1		0.744	0.900	
208	40844	207.95	207.9 - 208.1		0.774	0.900	
220			-				

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

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.6	V	Deflect	14.8	V
Extract 2	-225.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-100	V	Cell Exit	-50	V			

Cell Parameters

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

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	7632	1.08	
89	4768	1.32	
205	6225	4.25	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	7699	7663	7681	7622	7493
89	4787	4781	4823	4791	4659
205	6309	6353	6399	6307	5756

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

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

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.6	V	Deflect	2.6	V
Extract 2	-225.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-100	V	Cell Exit	-60	V			

Cell Parameters

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

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:15:15	DataFile Name :	003CALB_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.13	0.16	0.97	0.00	N/A	ppb
Antimony	121-1	0.00	0.01	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.03	0.02	0.00	0.00	N/A	ppb
Barium	135-1	0.02	-0.02	0.00	0.00	N/A	ppb
Barium	137-1	0.02	-0.01	-0.01	0.00	N/A	ppb
Beryllium	9-1	-0.01	0.00	0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.36	-0.48	0.13	0.00	N/A	ppb
Boron	11-1	-0.08	0.04	0.04	0.00	N/A	ppb
Cadmium	111-1	0.00	0.02	-0.02	0.00	N/A	ppb
Cadmium	106-1	0.02	0.26	-0.28	0.00	N/A	ppb
Cadmium	108-1	0.00	0.00	0.00	0.00	N/A	ppb
Calcium	43-1	2.31	-0.49	-1.83	0.00	N/A	ppb
Calcium	44-1	-4.28	-1.86	6.14	0.00	N/A	ppb
Chromium	52-2	0.01	0.04	-0.04	0.00	N/A	ppb
Cobalt	59-2	0.01	0.00	-0.01	0.00	N/A	ppb
Copper	63-2	-0.02	0.04	-0.02	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.09	0.24	-0.33	0.00	N/A	ppb
Iron	57-2	0.05	0.79	-0.84	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	-0.01	0.01	0.00	0.00	N/A	ppb
Lead	207-1	-0.02	0.02	-0.01	0.00	N/A	ppb
Lead	208-1	-0.01	0.01	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.94	1.21	-0.27	0.00	N/A	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:15:15	DataFile Name :	003CALB_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	94-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.01	-0.02	0.00	N/A	ppb
Molybdenum	96-1	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	97-1	-0.02	0.01	0.01	0.00	N/A	ppb
Molybdenum	98-1	-0.01	0.01	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	-0.09	0.05	0.00	N/A	ppb
Phosphorus	31-2	-44.67	-43.57	-32.33	-40.19		ppb
Potassium	39-2	9.65	9.87	-19.52	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	1.42	-2.58	1.16	0.00	N/A	ppb
Selenium	78-2	0.88	-0.44	-0.44	0.00	N/A	ppb
Selenium	82-1	-0.60	0.37	0.23	0.00	N/A	ppb
Silicon	28-1	1.09	0.50	-1.59	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	107-1	0.01	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	4.45	9.34	-13.79	0.00	N/A	ppb
Strontium	86-1	0.05	0.00	-0.05	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	656.86	594.19	390.54	547.20	25.45	ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.01	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	-0.03	-0.02	0.05	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	-0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.16	-0.08	-0.08	0.00	N/A	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:15:15	DataFile Name :	003CALB_P8122118 MS

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

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:22:41	DataFile Name :	005CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.51	10.04	21.51	16.69	35.66	ppb
Antimony	121-1	1.83	1.83	1.87	1.84	1.28	ppb
Arsenic	75-2	0.84	0.87	1.15	0.96	17.75	ppb
Barium	135-1	9.75	9.64	10.09	9.82	2.38	ppb
Barium	137-1	10.06	9.74	10.00	9.93	1.67	ppb
Beryllium	9-1	1.23	0.88	0.97	1.03	17.46	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Boron	10-1	22.51	22.92	23.91	23.11	3.12	ppb
Boron	11-1	23.92	22.98	24.65	23.85	3.51	ppb
Cadmium	111-1	0.95	0.90	1.17	1.00	14.20	ppb
Cadmium	106-1	0.24	0.60	2.83	1.23	114.55	ppb
Cadmium	108-1	1.25	0.83	1.05	1.04	20.55	ppb
Calcium	43-1	437.62	427.15	471.25	445.34	5.17	ppb
Calcium	44-1	461.52	419.73	426.27	435.84	5.16	ppb
Chromium	52-2	1.66	2.01	1.87	1.85	9.44	ppb
Cobalt	59-2	1.00	0.95	1.04	1.00	4.21	ppb
Copper	63-2	2.02	2.13	2.09	2.08	2.69	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				105		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	52.10	51.41	52.18	51.90	0.82	ppb
Iron	57-2	41.91	55.36	52.11	49.79	14.10	ppb
Krypton	83-1						cps
Lead	206-1	0.98	0.93	0.93	0.95	3.17	ppb
Lead	207-1	0.90	0.97	1.00	0.96	5.68	ppb
Lead	208-1	0.94	0.96	0.95	0.95	0.93	ppb
Lithium	6-1				96		%
Magnesium	24-2	498.65	469.06	480.24	482.65	3.10	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:22:41	DataFile Name :	005CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.14	1.07	1.15	1.12	4.10	ppb
Molybdenum	94-1	4.96	4.88	4.94	4.93	0.80	ppb
Molybdenum	95-1	5.12	4.99	4.92	5.01	2.12	ppb
Molybdenum	96-1	5.18	5.09	4.91	5.06	2.69	ppb
Molybdenum	97-1	5.12	4.93	5.01	5.02	1.89	ppb
Molybdenum	98-1	5.09	4.98	4.87	4.98	2.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.10	1.06	0.85	1.01	13.25	ppb
Phosphorus	31-2	88.80	8.82	22.96	40.19	106.20	ppb
Potassium	39-2	464.16	449.33	429.02	447.50	3.94	ppb
Rhodium	103-1				104		%
Rhodium	103-2				103		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	77-2	5.04	12.57	1.26	6.29	91.59	ppb
Selenium	78-2	8.95	2.05	5.88	5.63	61.40	ppb
Selenium	82-1	4.88	5.23	5.04	5.05	3.49	ppb
Silicon	28-1	2.89	2.22	4.74	3.28	39.73	ppb
Silver	109-1	1.03	0.94	1.02	0.99	5.00	ppb
Silver	107-1	0.96	1.01	0.98	0.98	2.52	ppb
Sodium	23-2	463.79	489.74	476.07	476.53	2.72	ppb
Strontium	86-1	0.91	0.84	1.03	0.92	10.53	ppb
Strontium	88-1	0.96	0.93	0.98	0.96	2.57	ppb
Sulfur	34-1	-505.16	-823.28	-313.15	-547.20		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.99	0.87	0.98	0.95	7.20	ppb
Thallium	205-1	0.95	0.94	0.95	0.95	0.80	ppb
Tin	118-1	4.96	4.79	4.92	4.89	1.90	ppb
Titanium	47-1	4.98	5.11	5.10	5.07	1.39	ppb
Uranium	238-1	0.98	0.91	0.91	0.93	4.58	ppb
Vanadium	51-2	4.81	5.19	4.77	4.93	4.70	ppb
Yttrium	89-1				105		%
Yttrium	89-2				104		%
Zinc	66-2	1.91	1.62	1.60	1.71	10.20	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:22:41	DataFile Name :	005CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.95	0.92	0.95	0.94	1.91	ppb
Zirconium	91-1	1.03	0.94	0.88	0.95	7.91	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:26:29	DataFile Name :	006CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1002.75	1004.14	1011.45	1006.11	0.46	ppb
Antimony	121-1	52.14	50.66	51.48	51.43	1.45	ppb
Arsenic	75-2	51.89	52.78	50.42	51.70	2.30	ppb
Barium	135-1	265.55	256.07	259.90	260.51	1.83	ppb
Barium	137-1	268.69	258.09	262.10	262.96	2.03	ppb
Beryllium	9-1	53.45	55.97	54.15	54.52	2.39	ppb
Bismuth	209-1				104		%
Bismuth	209-2				105		%
Boron	10-1	52.32	55.42	55.97	54.57	3.61	ppb
Boron	11-1	49.80	52.11	53.44	51.78	3.56	ppb
Cadmium	111-1	53.79	52.04	52.72	52.85	1.67	ppb
Cadmium	106-1	56.29	51.88	52.47	53.55	4.48	ppb
Cadmium	108-1	56.58	51.00	53.84	53.81	5.19	ppb
Calcium	43-1	4984.18	4978.03	4994.12	4985.44	0.16	ppb
Calcium	44-1	5074.31	5022.75	5152.12	5083.06	1.28	ppb
Chromium	52-2	52.13	53.83	53.08	53.01	1.60	ppb
Cobalt	59-2	52.72	54.34	53.05	53.37	1.61	ppb
Copper	63-2	107.99	110.16	108.18	108.77	1.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	2700.62	2711.79	2695.03	2702.48	0.32	ppb
Iron	57-2	2646.34	2747.48	2616.30	2670.04	2.57	ppb
Krypton	83-1						cps
Lead	206-1	52.27	50.22	51.84	51.44	2.10	ppb
Lead	207-1	51.41	49.45	51.40	50.75	2.22	ppb
Lead	208-1	52.09	49.96	51.66	51.23	2.20	ppb
Lithium	6-1				97		%
Magnesium	24-2	5504.35	5635.22	5536.73	5558.77	1.23	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:26:29	DataFile Name :	006CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	105.85	107.22	105.93	106.33	0.73	ppb
Molybdenum	94-1	269.39	255.30	261.99	262.23	2.69	ppb
Molybdenum	95-1	267.56	254.28	259.81	260.55	2.56	ppb
Molybdenum	96-1	269.01	256.16	262.80	262.66	2.45	ppb
Molybdenum	97-1	270.17	256.90	262.19	263.09	2.54	ppb
Molybdenum	98-1	265.67	254.22	258.71	259.54	2.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.45	56.04	54.23	54.57	2.43	ppb
Phosphorus	31-2	1095.90	1255.27	930.35	1093.84	14.85	ppb
Potassium	39-2	2564.96	2536.80	2556.28	2552.68	0.56	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	77-2	35.80	44.45	35.11	38.45	13.53	ppb
Selenium	78-2	53.17	64.61	64.60	60.79	10.86	ppb
Selenium	82-1	53.71	52.64	52.58	52.98	1.20	ppb
Silicon	28-1	57.06	58.15	61.01	58.74	3.48	ppb
Silver	109-1	54.55	53.20	53.29	53.68	1.41	ppb
Silver	107-1	54.20	52.10	53.59	53.29	2.03	ppb
Sodium	23-2	5254.23	5417.18	5264.28	5311.89	1.72	ppb
Strontium	86-1	51.48	49.42	49.84	50.25	2.17	ppb
Strontium	88-1	52.95	51.08	52.56	52.20	1.89	ppb
Sulfur	34-1	1544.31	1232.28	1288.90	1355.16	12.27	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	51.40	49.60	51.83	50.94	2.33	ppb
Thallium	205-1	52.07	49.89	52.08	51.34	2.46	ppb
Tin	118-1	52.69	50.78	51.38	51.61	1.89	ppb
Titanium	47-1	266.61	256.67	259.29	260.86	1.97	ppb
Uranium	238-1	50.36	49.83	51.41	50.53	1.59	ppb
Vanadium	51-2	51.55	51.63	51.30	51.49	0.33	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	109.61	106.92	107.30	107.94	1.35	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:26:29	DataFile Name :	006CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	53.22	51.15	51.25	51.87	2.25	ppb
Zirconium	91-1	51.47	49.91	51.26	50.88	1.67	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:30:17	DataFile Name :	007CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2499.34	2606.84	2540.49	2548.89	2.13	ppb
Antimony	121-1	129.62	123.88	127.74	127.08	2.30	ppb
Arsenic	75-2	133.45	130.78	126.46	130.23	2.71	ppb
Barium	135-1	665.46	619.79	650.45	645.23	3.61	ppb
Barium	137-1	673.04	621.41	650.63	648.36	3.99	ppb
Beryllium	9-1	137.40	133.73	134.18	135.10	1.48	ppb
Bismuth	209-1				108		%
Bismuth	209-2				100		%
Boron	10-1	124.78	135.77	134.32	131.62	4.53	ppb
Boron	11-1	135.71	137.44	136.12	136.43	0.66	ppb
Cadmium	111-1	133.91	125.88	130.92	130.24	3.12	ppb
Cadmium	106-1	134.81	128.23	128.93	130.66	2.76	ppb
Cadmium	108-1	128.47	128.09	135.73	130.76	3.29	ppb
Calcium	43-1	12525.86	11943.75	12324.13	12264.58	2.41	ppb
Calcium	44-1	12745.64	12031.05	12351.91	12376.20	2.89	ppb
Chromium	52-2	131.85	134.93	132.61	133.13	1.21	ppb
Cobalt	59-2	132.90	135.45	132.86	133.74	1.11	ppb
Copper	63-2	268.19	276.13	270.52	271.61	1.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				101		%
Indium	115-1				107		%
Indium	115-2				100		%
Iron	56-2	6672.81	6815.29	6619.20	6702.43	1.51	ppb
Iron	57-2	6540.41	6680.62	6553.85	6591.63	1.17	ppb
Krypton	83-1						cps
Lead	206-1	129.26	125.32	126.27	126.95	1.62	ppb
Lead	207-1	128.93	124.07	124.56	125.85	2.13	ppb
Lead	208-1	129.34	125.16	125.93	126.81	1.75	ppb
Lithium	6-1				97		%
Magnesium	24-2	13971.51	14069.04	13808.17	13949.57	0.94	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:30:17	DataFile Name :	007CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	260.78	267.07	260.39	262.75	1.43	ppb
Molybdenum	94-1	666.22	625.98	653.85	648.68	3.18	ppb
Molybdenum	95-1	663.78	626.15	641.81	643.91	2.94	ppb
Molybdenum	96-1	670.00	631.66	658.06	653.24	3.00	ppb
Molybdenum	97-1	666.21	626.32	653.21	648.58	3.14	ppb
Molybdenum	98-1	665.42	620.10	654.96	646.83	3.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	134.16	137.18	133.95	135.09	1.34	ppb
Phosphorus	31-2	2277.56	2764.07	2693.67	2578.43	10.20	ppb
Potassium	39-2	6330.61	6476.99	6392.43	6400.01	1.15	ppb
Rhodium	103-1				107		%
Rhodium	103-2				101		%
Scandium	45-1				110		%
Scandium	45-2				100		%
Selenium	77-2	130.53	115.90	103.48	116.63	11.61	ppb
Selenium	78-2	114.70	149.46	140.26	134.81	13.36	ppb
Selenium	82-1	133.46	124.87	132.45	130.26	3.61	ppb
Silicon	28-1	153.09	150.53	157.06	153.56	2.14	ppb
Silver	109-1	134.65	126.75	130.78	130.73	3.02	ppb
Silver	107-1	134.75	126.14	130.36	130.42	3.30	ppb
Sodium	23-2	13260.95	13662.31	13207.79	13377.02	1.86	ppb
Strontium	86-1	131.98	120.95	128.20	127.04	4.41	ppb
Strontium	88-1	134.95	126.68	129.28	130.30	3.25	ppb
Sulfur	34-1	3542.14	2298.51	3022.60	2954.41	21.14	ppb
Terbium	159-1				110		%
Terbium	159-2				102		%
Thallium	203-1	127.54	124.65	124.10	125.43	1.47	ppb
Thallium	205-1	129.75	126.16	124.57	126.83	2.09	ppb
Tin	118-1	128.57	122.29	128.29	126.38	2.81	ppb
Titanium	47-1	648.07	617.20	633.05	632.77	2.44	ppb
Uranium	238-1	128.15	125.46	124.87	126.16	1.39	ppb
Vanadium	51-2	130.06	134.72	130.57	131.78	1.94	ppb
Yttrium	89-1				108		%
Yttrium	89-2				101		%
Zinc	66-2	264.72	273.71	264.39	267.61	1.98	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:30:17	DataFile Name :	007CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	132.59	124.72	129.04	128.78	3.06	ppb
Zirconium	91-1	131.76	121.76	128.68	127.40	4.02	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:33:59	DataFile Name :	008CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4810.09	4770.38	4812.40	4797.62	0.49	ppb
Antimony	121-1	259.35	219.46	250.68	243.16	8.63	ppb
Arsenic	75-2	256.01	250.12	258.53	254.88	1.69	ppb
Barium	135-1	1306.77	1106.75	1269.88	1227.80	8.67	ppb
Barium	137-1	1325.67	1106.33	1290.66	1240.89	9.50	ppb
Beryllium	9-1	272.15	236.99	261.59	256.91	7.02	ppb
Bismuth	209-1				112		%
Bismuth	209-2				111		%
Boron	10-1	271.75	231.47	265.40	256.21	8.45	ppb
Boron	11-1	265.69	232.31	264.24	254.08	7.43	ppb
Cadmium	111-1	264.83	223.45	254.39	247.56	8.69	ppb
Cadmium	106-1	261.83	217.64	254.62	244.70	9.69	ppb
Cadmium	108-1	262.99	221.63	250.14	244.92	8.64	ppb
Calcium	43-1	25324.82	21175.99	24160.60	23553.80	9.09	ppb
Calcium	44-1	25061.09	21030.90	24155.77	23415.92	9.03	ppb
Chromium	52-2	248.03	251.79	256.52	252.11	1.69	ppb
Cobalt	59-2	250.81	253.17	258.00	253.99	1.44	ppb
Copper	63-2	509.94	509.54	519.12	512.87	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				111		%
Indium	115-1				111		%
Indium	115-2				106		%
Iron	56-2	12429.78	12557.98	12801.72	12596.49	1.50	ppb
Iron	57-2	12487.47	12640.85	12732.01	12620.11	0.98	ppb
Krypton	83-1						cps
Lead	206-1	256.00	216.90	249.01	240.64	8.67	ppb
Lead	207-1	253.73	216.95	247.99	239.56	8.26	ppb
Lead	208-1	256.18	218.77	248.35	241.10	8.19	ppb
Lithium	6-1				102		%
Magnesium	24-2	25997.14	25916.98	26810.79	26241.64	1.88	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:33:59	DataFile Name :	008CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	493.54	497.08	502.55	497.72	0.91	ppb
Molybdenum	94-1	1335.34	1116.21	1299.67	1250.41	9.40	ppb
Molybdenum	95-1	1314.33	1120.74	1266.57	1233.88	8.17	ppb
Molybdenum	96-1	1309.67	1114.99	1262.55	1229.07	8.26	ppb
Molybdenum	97-1	1327.75	1122.83	1298.47	1249.68	8.87	ppb
Molybdenum	98-1	1318.56	1115.00	1272.92	1235.49	8.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	256.37	254.64	261.67	257.56	1.42	ppb
Phosphorus	31-2	5158.93	4874.40	5136.81	5056.72	3.13	ppb
Potassium	39-2	12245.10	12243.10	12494.54	12327.58	1.17	ppb
Rhodium	103-1				109		%
Rhodium	103-2				106		%
Scandium	45-1				113		%
Scandium	45-2				106		%
Selenium	77-2	287.82	257.85	260.01	268.56	6.22	ppb
Selenium	78-2	274.23	258.72	248.12	260.36	5.04	ppb
Selenium	82-1	264.49	224.27	256.47	248.41	8.57	ppb
Silicon	28-1	290.90	225.99	291.36	269.42	13.96	ppb
Silver	109-1	266.52	225.69	256.92	249.71	8.55	ppb
Silver	107-1	269.96	227.88	255.48	251.11	8.51	ppb
Sodium	23-2	25145.10	25604.73	26046.23	25598.69	1.76	ppb
Strontium	86-1	257.21	218.20	250.35	241.92	8.61	ppb
Strontium	88-1	263.65	224.46	256.21	248.11	8.39	ppb
Sulfur	34-1	7464.58	1445.77	5570.67	4827.01	63.76	ppb
Terbium	159-1				114		%
Terbium	159-2				113		%
Thallium	203-1	253.93	216.18	249.63	239.91	8.61	ppb
Thallium	205-1	261.75	222.95	256.64	247.11	8.53	ppb
Tin	118-1	257.26	219.32	249.06	241.88	8.25	ppb
Titanium	47-1	1311.05	1102.60	1270.76	1228.14	9.00	ppb
Uranium	238-1	262.69	222.19	250.46	245.12	8.47	ppb
Vanadium	51-2	248.32	250.14	252.71	250.39	0.88	ppb
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	510.70	516.47	520.68	515.95	0.97	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:33:59	DataFile Name :	008CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	267.52	223.36	262.10	251.00	9.60	ppb
Zirconium	91-1	255.76	220.77	249.14	241.89	7.68	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:37:36	DataFile Name :	009CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9882.75	9547.88	9671.64	9700.76	1.75	ppb
Antimony	121-1	512.26	513.81	513.48	513.18	0.16	ppb
Arsenic	75-2	504.01	493.10	506.42	501.18	1.42	ppb
Barium	135-1	2591.94	2543.90	2570.12	2568.66	0.94	ppb
Barium	137-1	2590.66	2540.02	2553.37	2561.35	1.02	ppb
Beryllium	9-1	538.38	530.75	529.62	532.92	0.89	ppb
Bismuth	209-1				112		%
Bismuth	209-2				114		%
Boron	10-1	540.98	538.31	540.77	540.02	0.27	ppb
Boron	11-1	535.08	531.93	544.37	537.13	1.20	ppb
Cadmium	111-1	515.57	510.91	510.55	512.34	0.55	ppb
Cadmium	106-1	511.78	512.28	513.79	512.62	0.20	ppb
Cadmium	108-1	510.41	517.87	502.59	510.29	1.50	ppb
Calcium	43-1	50007.01	49672.89	50172.78	49950.90	0.51	ppb
Calcium	44-1	49684.15	49000.81	49790.17	49491.71	0.87	ppb
Chromium	52-2	518.88	502.69	506.77	509.45	1.65	ppb
Cobalt	59-2	516.06	505.10	515.92	512.36	1.23	ppb
Copper	63-2	1024.02	1020.50	1044.85	1029.79	1.28	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				115		%
Holmium	165-2				115		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	25944.44	25328.24	25675.17	25649.29	1.20	ppb
Iron	57-2	25811.67	25160.91	25609.81	25527.46	1.30	ppb
Krypton	83-1						cps
Lead	206-1	506.78	499.99	514.67	507.14	1.45	ppb
Lead	207-1	502.93	495.47	512.77	503.72	1.72	ppb
Lead	208-1	512.42	503.86	521.84	512.71	1.75	ppb
Lithium	6-1				100		%
Magnesium	24-2	54722.90	53459.45	54278.81	54153.72	1.18	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:37:36	DataFile Name :	009CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1026.11	1003.71	1012.14	1013.99	1.12	ppb
Molybdenum	94-1	2604.81	2559.25	2597.28	2587.11	0.94	ppb
Molybdenum	95-1	2587.43	2558.59	2599.79	2581.94	0.82	ppb
Molybdenum	96-1	2573.48	2561.98	2569.89	2568.45	0.23	ppb
Molybdenum	97-1	2609.95	2584.42	2597.95	2597.44	0.49	ppb
Molybdenum	98-1	2581.24	2532.40	2578.11	2563.92	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	522.84	508.74	516.04	515.87	1.37	ppb
Phosphorus	31-2	9951.17	9628.48	9979.38	9853.01	1.98	ppb
Potassium	39-2	24782.86	24233.48	24669.14	24561.83	1.18	ppb
Rhodium	103-1				106		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	77-2	459.61	507.40	463.23	476.75	5.58	ppb
Selenium	78-2	496.82	470.25	489.53	485.53	2.83	ppb
Selenium	82-1	520.11	508.65	512.88	513.88	1.13	ppb
Silicon	28-1	572.35	581.90	585.16	579.80	1.15	ppb
Silver	109-1	522.74	514.20	512.54	516.49	1.06	ppb
Silver	107-1	520.74	508.73	514.59	514.69	1.17	ppb
Sodium	23-2	51634.45	49525.16	51189.58	50783.06	2.19	ppb
Strontium	86-1	510.90	504.81	507.91	507.87	0.60	ppb
Strontium	88-1	518.76	513.61	519.74	517.37	0.64	ppb
Sulfur	34-1	12849.89	12847.22	13398.08	13031.73	2.43	ppb
Terbium	159-1				113		%
Terbium	159-2				115		%
Thallium	203-1	513.41	506.11	520.76	513.43	1.43	ppb
Thallium	205-1	516.70	506.57	527.13	516.80	1.99	ppb
Tin	118-1	512.13	505.17	514.35	510.55	0.94	ppb
Titanium	47-1	2633.70	2584.15	2629.78	2615.88	1.05	ppb
Uranium	238-1	517.44	513.20	525.76	518.80	1.23	ppb
Vanadium	51-2	515.05	497.22	500.95	504.41	1.86	ppb
Yttrium	89-1				110		%
Yttrium	89-2				108		%
Zinc	66-2	1045.29	1010.01	1043.53	1032.94	1.92	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:37:36	DataFile Name :	009CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	519.99	515.88	521.96	519.28	0.60	ppb
Zirconium	91-1	515.19	506.18	511.65	511.00	0.89	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:51:48	DataFile Name :	012CAL5_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19493.17	19248.58	18985.23	19242.33	1.32	ppb
Antimony	121-1	1009.78	994.43	980.15	994.79	1.49	ppb
Arsenic	75-2	1000.35	993.56	998.45	997.45	0.35	ppb
Barium	135-1	5068.35	4937.23	4898.93	4968.17	1.79	ppb
Barium	137-1	5078.02	4951.60	4874.48	4968.04	2.07	ppb
Beryllium	9-1	989.75	982.79	968.44	980.33	1.11	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Boron	10-1	970.77	978.85	982.66	977.43	0.62	ppb
Boron	11-1	975.35	981.12	980.32	978.93	0.32	ppb
Cadmium	111-1	1013.28	991.01	976.63	993.64	1.86	ppb
Cadmium	106-1	1014.59	993.00	974.82	994.13	2.00	ppb
Cadmium	108-1	1029.51	994.80	961.33	995.21	3.43	ppb
Calcium	43-1	96153.42	95639.11	95665.16	95819.23	0.30	ppb
Calcium	44-1	95535.32	94760.98	94630.31	94975.54	0.52	ppb
Chromium	52-2	998.53	996.09	986.13	993.58	0.66	ppb
Cobalt	59-2	1003.36	994.09	977.24	991.56	1.34	ppb
Copper	63-2	2000.80	1977.44	1958.01	1978.75	1.08	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				113		%
Indium	115-1				110		%
Indium	115-2				105		%
Iron	56-2	50006.78	50246.98	48886.38	49713.38	1.46	ppb
Iron	57-2	50052.40	49678.94	48857.70	49529.68	1.23	ppb
Krypton	83-1						cps
Lead	206-1	1032.01	989.79	973.56	998.45	3.02	ppb
Lead	207-1	1017.82	1005.96	978.04	1000.61	2.04	ppb
Lead	208-1	1016.51	991.22	979.02	995.58	1.92	ppb
Lithium	6-1				111		%
Magnesium	24-2	105771.90	106468.18	102297.67	104845.92	2.13	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:51:48	DataFile Name :	012CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2006.42	2004.42	1964.15	1991.66	1.20	ppb
Molybdenum	94-1	5066.61	4908.87	4882.83	4952.77	2.01	ppb
Molybdenum	95-1	5033.60	4916.66	4930.25	4960.17	1.29	ppb
Molybdenum	96-1	5059.18	4922.52	4918.84	4966.85	1.61	ppb
Molybdenum	97-1	5027.97	4917.34	4897.97	4947.76	1.42	ppb
Molybdenum	98-1	5061.28	4899.78	4944.33	4968.46	1.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1001.82	992.56	971.67	988.68	1.56	ppb
Phosphorus	31-2	20985.68	20162.16	18986.61	20044.82	5.01	ppb
Potassium	39-2	49349.93	49704.94	48501.41	49185.42	1.26	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				118		%
Scandium	45-2				109		%
Selenium	77-2	915.60	1056.33	1053.87	1008.60	7.99	ppb
Selenium	78-2	994.63	977.58	1036.43	1002.88	3.02	ppb
Selenium	82-1	1013.96	976.18	987.81	992.65	1.95	ppb
Silicon	28-1	969.80	941.12	942.99	951.31	1.69	ppb
Silver	109-1	1006.12	990.39	976.27	990.93	1.51	ppb
Silver	107-1	1010.02	990.12	974.48	991.54	1.80	ppb
Sodium	23-2	101645.75	100255.49	97195.20	99698.81	2.28	ppb
Strontium	86-1	998.47	1003.81	991.16	997.81	0.64	ppb
Strontium	88-1	1015.07	985.35	972.62	991.01	2.20	ppb
Sulfur	34-1	19474.01	18610.30	17274.17	18452.82	6.01	ppb
Terbium	159-1				113		%
Terbium	159-2				112		%
Thallium	203-1	1035.02	971.63	980.48	995.71	3.45	ppb
Thallium	205-1	1028.22	977.83	970.04	992.03	3.18	ppb
Tin	118-1	1009.45	1001.02	979.04	996.50	1.58	ppb
Titanium	47-1	5037.39	4899.10	4901.54	4946.01	1.60	ppb
Uranium	238-1	1009.46	982.89	982.60	991.65	1.56	ppb
Vanadium	51-2	1002.72	1001.81	985.80	996.78	0.95	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	1998.27	1991.14	1941.42	1976.94	1.57	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:51:48	DataFile Name :	012CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1008.88	983.17	976.59	989.55	1.72	ppb
Zirconium	91-1	1018.71	987.45	982.39	996.18	1.97	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:02:19	DataFile Name :	015CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	102985.79	99168.06	98417.04	100190.30	2.45	ppb
Antimony	121-1	1.27	1.16	1.24	1.22	4.85	ppb
Arsenic	75-2	1.49	1.38	1.47	1.44	3.97	ppb
Barium	135-1	0.68	0.57	0.57	0.61	10.31	ppb
Barium	137-1	0.64	0.60	0.67	0.64	5.84	ppb
Beryllium	9-1	0.15	0.12	0.16	0.15	15.79	ppb
Bismuth	209-1				104		%
Bismuth	209-2				104		%
Boron	10-1	15.08	14.84	14.46	14.79	2.09	ppb
Boron	11-1	16.30	15.93	15.33	15.85	3.10	ppb
Cadmium	111-1	0.07	0.10	0.17	0.11	42.95	ppb
Cadmium	106-1	-0.05	0.45	1.35	0.58	121.66	ppb
Cadmium	108-1	0.07	-0.02	0.20	0.08	131.72	ppb
Calcium	43-1	509564.00	490544.33	502650.04	500919.46	1.92	ppb
Calcium	44-1	507771.19	491192.02	504448.55	501137.25	1.75	ppb
Chromium	52-2	15.47	14.82	14.95	15.08	2.29	ppb
Cobalt	59-2	12.71	11.94	11.69	12.12	4.39	ppb
Copper	63-2	2.99	2.83	2.72	2.84	4.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				113		%
Indium	115-1				107		%
Indium	115-2				108		%
Iron	56-2	259497.38	247156.38	243268.94	249974.23	3.39	ppb
Iron	57-2	256399.04	251065.68	242610.50	250025.07	2.78	ppb
Krypton	83-1						cps
Lead	206-1	1.52	1.48	1.55	1.52	2.36	ppb
Lead	207-1	1.47	1.39	1.36	1.41	3.86	ppb
Lead	208-1	1.52	1.46	1.47	1.48	2.12	ppb
Lithium	6-1				108		%
Magnesium	24-2	514729.06	494102.66	486702.93	498511.55	2.91	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:02:19	DataFile Name :	015CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	11.01	10.96	11.03	11.00	0.34	ppb
Molybdenum	94-1	2.95	2.89	3.36	3.06	8.38	ppb
Molybdenum	95-1	3.45	3.30	3.52	3.42	3.33	ppb
Molybdenum	96-1	3.61	3.60	3.72	3.64	1.78	ppb
Molybdenum	97-1	3.47	3.51	3.64	3.54	2.40	ppb
Molybdenum	98-1	3.48	3.39	3.48	3.45	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	20.04	18.49	18.62	19.05	4.52	ppb
Phosphorus	31-2	-32.81	-33.45	-33.91	-33.39		ppb
Potassium	39-2	256962.71	246497.94	247172.89	250211.18	2.34	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				116		%
Scandium	45-2				111		%
Selenium	77-2	0.96	4.43	-2.58	0.94	374.69	ppb
Selenium	78-2	2.48	-0.44	0.70	0.91	161.19	ppb
Selenium	82-1	1.28	0.24	1.80	1.11	71.57	ppb
Silicon	28-1	11.86	8.97	11.00	10.61	13.96	ppb
Silver	109-1	0.07	0.05	0.07	0.06	12.40	ppb
Silver	107-1	0.06	0.06	0.06	0.06	7.19	ppb
Sodium	23-2	514221.68	494746.84	490812.41	499926.98	2.51	ppb
Strontium	86-1	4.46	4.58	4.50	4.51	1.39	ppb
Strontium	88-1	4.76	4.47	4.68	4.63	3.25	ppb
Sulfur	34-1	-831.82	-1290.34	-554.73	-892.30		ppb
Terbium	159-1				113		%
Terbium	159-2				113		%
Thallium	203-1	0.11	0.09	0.11	0.11	13.02	ppb
Thallium	205-1	0.13	0.14	0.14	0.14	2.37	ppb
Tin	118-1	0.86	0.85	0.90	0.87	2.84	ppb
Titanium	47-1	1.12	1.27	1.22	1.20	6.40	ppb
Uranium	238-1	0.05	0.04	0.06	0.05	19.13	ppb
Vanadium	51-2	0.29	0.16	0.20	0.22	30.63	ppb
Yttrium	89-1				112		%
Yttrium	89-2				113		%
Zinc	66-2	20.76	17.13	16.70	18.20	12.24	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:02:19	DataFile Name :	015CALS_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.40	0.37	0.42	0.40	5.39	ppb
Zirconium	91-1	0.41	0.30	0.40	0.37	16.70	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:10:17	DataFile Name :	016ICV01_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	517.80	533.27	499.89	516.99	3.23	ppb
Antimony	121-1	194.50	192.07	198.29	194.95	1.61	ppb
Arsenic	75-2	202.37	196.06	193.55	197.33	2.30	ppb
Barium	135-1	99.79	98.15	100.12	99.35	1.06	ppb
Barium	137-1	99.81	99.34	101.51	100.22	1.14	ppb
Beryllium	9-1	97.02	98.67	98.46	98.05	0.92	ppb
Bismuth	209-1				109		%
Bismuth	209-2				111		%
Boron	10-1	5.95	4.76	4.58	5.10	14.62	ppb
Boron	11-1	7.46	6.04	5.51	6.34	15.90	ppb
Cadmium	111-1	100.18	97.95	101.67	99.93	1.88	ppb
Cadmium	106-1	88.13	82.47	88.88	86.49	4.05	ppb
Cadmium	108-1	101.50	97.87	100.04	99.80	1.83	ppb
Calcium	43-1	1881.76	1840.67	1947.92	1890.12	2.86	ppb
Calcium	44-1	1966.59	1952.86	2040.47	1986.64	2.37	ppb
Chromium	52-2	100.74	98.15	95.79	98.23	2.52	ppb
Cobalt	59-2	103.75	101.44	99.74	101.64	1.98	ppb
Copper	63-2	106.41	103.57	100.84	103.60	2.69	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				111		%
Holmium	165-2				113		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	1031.37	1014.42	992.15	1012.65	1.94	ppb
Iron	57-2	1020.43	1007.20	971.52	999.72	2.53	ppb
Krypton	83-1						cps
Lead	206-1	201.82	195.72	199.48	199.00	1.55	ppb
Lead	207-1	194.31	188.07	189.48	190.62	1.72	ppb
Lead	208-1	198.39	192.10	196.31	195.60	1.64	ppb
Lithium	6-1				107		%
Magnesium	24-2	1243.19	1204.77	1180.35	1209.43	2.62	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:10:17	DataFile Name :	016ICV01_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	99.11	98.69	96.65	98.15	1.34	ppb
Molybdenum	94-1	1077.83	1099.63	1090.28	1089.25	1.00	ppb
Molybdenum	95-1	1552.75	1545.33	1554.68	1550.92	0.32	ppb
Molybdenum	96-1	1479.86	1486.63	1488.99	1485.16	0.32	ppb
Molybdenum	97-1	1570.48	1568.88	1548.16	1562.51	0.80	ppb
Molybdenum	98-1	1532.26	1541.86	1522.65	1532.26	0.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	104.36	102.54	100.48	102.46	1.89	ppb
Phosphorus	31-2	-19.08	-58.37	-8.03	-28.49		ppb
Potassium	39-2	2059.22	1947.01	1956.73	1987.65	3.13	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				113		%
Scandium	45-2				107		%
Selenium	77-2	178.50	156.17	217.66	184.11	16.91	ppb
Selenium	78-2	217.55	208.23	192.18	205.99	6.23	ppb
Selenium	82-1	200.88	198.93	200.89	200.23	0.56	ppb
Silicon	28-1	-6.86	-10.89	-7.44	-8.40		ppb
Silver	109-1	101.95	100.60	102.83	101.79	1.10	ppb
Silver	107-1	100.46	98.88	102.24	100.53	1.67	ppb
Sodium	23-2	2234.12	2121.72	2103.57	2153.14	3.28	ppb
Strontium	86-1	2.29	2.21	2.23	2.24	1.89	ppb
Strontium	88-1	2.33	2.32	2.31	2.32	0.34	ppb
Sulfur	34-1	-605.46	-1528.39	-887.10	-1006.98		ppb
Terbium	159-1				111		%
Terbium	159-2				112		%
Thallium	203-1	202.71	196.03	201.64	200.13	1.79	ppb
Thallium	205-1	206.61	200.68	205.25	204.18	1.52	ppb
Tin	118-1	0.03	0.05	0.04	0.04	28.74	ppb
Titanium	47-1	0.13	0.04	0.21	0.13	71.61	ppb
Uranium	238-1	0.01	0.01	0.02	0.01	45.13	ppb
Vanadium	51-2	100.46	97.35	95.53	97.78	2.55	ppb
Yttrium	89-1				110		%
Yttrium	89-2				109		%
Zinc	66-2	210.18	205.20	200.28	205.22	2.41	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:10:17	DataFile Name :	016ICV01_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.01	0.01	0.01	25.44	ppb
Zirconium	91-1	0.03	0.11	0.13	0.09	56.98	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:14:33	DataFile Name :	017LLIC_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.45	16.08	21.24	18.92	13.84	ppb
Antimony	121-1	2.03	1.91	2.00	1.98	3.08	ppb
Arsenic	75-2	0.90	0.91	1.12	0.98	12.95	ppb
Barium	135-1	9.57	9.66	9.78	9.67	1.13	ppb
Barium	137-1	9.54	10.14	9.76	9.81	3.07	ppb
Beryllium	9-1	0.94	1.10	0.88	0.97	11.59	ppb
Bismuth	209-1				111		%
Bismuth	209-2				114		%
Boron	10-1	27.23	23.70	24.57	25.17	7.32	ppb
Boron	11-1	26.28	28.22	26.72	27.07	3.74	ppb
Cadmium	111-1	0.87	1.02	0.97	0.95	7.98	ppb
Cadmium	106-1	0.28	0.15	1.46	0.63	114.66	ppb
Cadmium	108-1	0.87	1.33	0.94	1.05	23.55	ppb
Calcium	43-1	451.40	457.18	434.63	447.73	2.62	ppb
Calcium	44-1	467.57	482.41	443.43	464.47	4.24	ppb
Chromium	52-2	1.59	1.86	1.52	1.66	10.76	ppb
Cobalt	59-2	0.99	0.88	0.97	0.95	5.99	ppb
Copper	63-2	1.98	2.03	2.00	2.00	1.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				115		%
Indium	115-1				110		%
Indium	115-2				111		%
Iron	56-2	52.98	50.10	52.14	51.74	2.86	ppb
Iron	57-2	48.86	46.94	54.63	50.14	7.98	ppb
Krypton	83-1						cps
Lead	206-1	0.94	0.98	0.92	0.94	3.00	ppb
Lead	207-1	0.92	0.96	0.87	0.92	5.05	ppb
Lead	208-1	0.91	0.98	0.92	0.94	3.97	ppb
Lithium	6-1				108		%
Magnesium	24-2	496.86	461.45	500.78	486.37	4.45	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:14:33	DataFile Name :	017LLIC_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1.06	1.00	1.00	1.02	3.23	ppb
Molybdenum	94-1	4.87	5.11	4.80	4.92	3.38	ppb
Molybdenum	95-1	4.98	5.14	4.98	5.03	1.83	ppb
Molybdenum	96-1	4.89	5.28	4.79	4.99	5.16	ppb
Molybdenum	97-1	5.39	5.40	4.65	5.15	8.32	ppb
Molybdenum	98-1	5.02	5.26	4.94	5.07	3.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.91	0.94	0.90	0.92	2.21	ppb
Phosphorus	31-2	20.18	16.42	85.98	40.86	95.74	ppb
Potassium	39-2	478.27	443.98	485.57	469.27	4.73	ppb
Rhodium	103-1				108		%
Rhodium	103-2				112		%
Scandium	45-1				113		%
Scandium	45-2				107		%
Selenium	77-2	4.56	-2.58	-2.58	-0.20		ppb
Selenium	78-2	6.01	2.96	3.11	4.02	42.81	ppb
Selenium	82-1	6.17	5.70	5.18	5.68	8.71	ppb
Silicon	28-1	-0.25	2.68	-1.89	0.18	1305.85	ppb
Silver	109-1	0.98	1.10	1.01	1.03	6.28	ppb
Silver	107-1	1.02	1.04	0.94	1.00	5.32	ppb
Sodium	23-2	572.38	534.64	569.46	558.83	3.76	ppb
Strontium	86-1	1.04	0.96	0.90	0.97	7.54	ppb
Strontium	88-1	0.95	0.96	0.93	0.95	1.46	ppb
Sulfur	34-1	-354.14	743.05	-608.55	-73.21		ppb
Terbium	159-1				112		%
Terbium	159-2				115		%
Thallium	203-1	0.97	0.97	1.08	1.01	6.02	ppb
Thallium	205-1	0.90	1.03	0.90	0.94	8.34	ppb
Tin	118-1	4.80	4.94	4.64	4.79	3.19	ppb
Titanium	47-1	5.13	5.25	4.97	5.12	2.69	ppb
Uranium	238-1	0.87	0.88	0.95	0.90	4.99	ppb
Vanadium	51-2	5.30	4.84	4.96	5.03	4.78	ppb
Yttrium	89-1				110		%
Yttrium	89-2				112		%
Zinc	66-2	2.22	1.43	1.64	1.77	23.05	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:14:33	DataFile Name :	017LLIC_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.94	0.94	0.88	0.92	3.85	ppb
Zirconium	91-1	0.90	1.00	0.76	0.89	13.54	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:17:58	DataFile Name :	018CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-2.41	-0.28	-1.27	-1.32		ppb
Antimony	121-1	0.06	0.07	0.06	0.06	3.13	ppb
Arsenic	75-2	0.04	0.04	0.03	0.04	5.03	ppb
Barium	135-1	-0.04	-0.02	-0.03	-0.03		ppb
Barium	137-1	-0.01	-0.02	-0.02	-0.02		ppb
Beryllium	9-1	0.05	0.02	0.06	0.04	42.01	ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Boron	10-1	3.36	3.33	2.76	3.15	10.87	ppb
Boron	11-1	3.66	3.79	3.65	3.70	2.04	ppb
Cadmium	111-1	0.03	-0.18	-0.04	-0.06		ppb
Cadmium	106-1	0.48	-2.29	-0.58	-0.80		ppb
Cadmium	108-1	-0.01	0.11	0.03	0.04	151.13	ppb
Calcium	43-1	-3.23	-1.69	-7.51	-4.14		ppb
Calcium	44-1	1.63	-10.31	-13.11	-7.26		ppb
Chromium	52-2	-0.22	-0.04	-0.17	-0.14		ppb
Cobalt	59-2	-0.02	-0.02	-0.01	-0.02		ppb
Copper	63-2	0.00	0.03	-0.01	0.01	265.69	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				113		%
Holmium	165-2				109		%
Indium	115-1				111		%
Indium	115-2				105		%
Iron	56-2	-0.12	-0.54	-0.26	-0.31		ppb
Iron	57-2	-0.07	-1.03	-1.12	-0.74		ppb
Krypton	83-1						cps
Lead	206-1	0.03	0.02	0.03	0.03	5.97	ppb
Lead	207-1	0.05	0.02	0.03	0.03	46.72	ppb
Lead	208-1	0.04	0.03	0.03	0.03	17.81	ppb
Lithium	6-1				113		%
Magnesium	24-2	1.01	0.17	3.00	1.39	104.11	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:17:58	DataFile Name :	018CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.03	-0.05	-0.05	-0.04		ppb
Molybdenum	94-1	0.02	0.06	0.03	0.04	57.97	ppb
Molybdenum	95-1	0.03	0.05	0.03	0.03	31.64	ppb
Molybdenum	96-1	0.05	0.02	0.01	0.03	63.72	ppb
Molybdenum	97-1	0.05	0.05	0.01	0.04	58.52	ppb
Molybdenum	98-1	0.03	0.02	0.03	0.03	20.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.03	-0.02	-0.04		ppb
Phosphorus	31-2	-45.04	-31.28	-58.37	-44.90		ppb
Potassium	39-2	19.44	9.87	3.21	10.84	75.25	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				114		%
Scandium	45-2				103		%
Selenium	77-2	1.13	-2.58	1.09	-0.12		ppb
Selenium	78-2	0.78	-0.44	-0.44	-0.03		ppb
Selenium	82-1	0.56	0.14	0.65	0.45	60.11	ppb
Silicon	28-1	-6.35	-11.60	-11.58	-9.85		ppb
Silver	109-1	0.01	0.01	0.01	0.01	10.46	ppb
Silver	107-1	0.01	0.00	0.01	0.01	27.03	ppb
Sodium	23-2	77.67	76.26	80.02	77.98	2.43	ppb
Strontium	86-1	0.10	0.01	-0.06	0.02	527.26	ppb
Strontium	88-1	-0.01	0.00	0.00	0.00		ppb
Sulfur	34-1	587.38	-467.71	-58.03	20.55	2588.79	ppb
Terbium	159-1				112		%
Terbium	159-2				108		%
Thallium	203-1	0.01	0.01	0.00	0.01	113.81	ppb
Thallium	205-1	0.02	0.01	0.01	0.01	69.33	ppb
Tin	118-1	0.00	0.01	-0.01	0.00	386.69	ppb
Titanium	47-1	-0.08	-0.10	0.06	-0.04		ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	-0.01	-0.01	0.00	-0.01		ppb
Yttrium	89-1				111		%
Yttrium	89-2				105		%
Zinc	66-2	-0.14	0.35	0.17	0.13	194.99	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:17:58	DataFile Name :	018CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	-0.01	0.00	0.00	484.83	ppb
Zirconium	91-1	0.00	-0.02	-0.01	-0.01		ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:21:24	DataFile Name :	019ICSA01_P8122118 M

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88293.70	82841.04	87299.33	86144.69	3.37	ppb
Antimony	121-1	1.25	1.19	1.15	1.20	4.30	ppb
Arsenic	75-2	0.50	0.30	0.34	0.38	28.47	ppb
Barium	135-1	1.50	1.50	1.39	1.46	4.15	ppb
Barium	137-1	1.47	1.41	1.56	1.48	5.17	ppb
Beryllium	9-1	0.27	0.34	0.31	0.31	11.02	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Boron	10-1	3.15	3.89	4.90	3.98	22.15	ppb
Boron	11-1	3.71	3.70	3.86	3.76	2.45	ppb
Cadmium	111-1	0.39	0.46	0.15	0.33	49.03	ppb
Cadmium	106-1	-0.62	-0.11	-1.81	-0.85		ppb
Cadmium	108-1	11.42	9.84	10.59	10.62	7.41	ppb
Calcium	43-1	102410.45	100908.93	98057.33	100458.90	2.20	ppb
Calcium	44-1	101187.99	98107.01	96800.45	98698.48	2.28	ppb
Chromium	52-2	19.67	18.76	19.49	19.31	2.51	ppb
Cobalt	59-2	1.19	1.09	1.07	1.12	5.67	ppb
Copper	63-2	9.34	8.60	9.01	8.98	4.16	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				100		%
Iron	56-2	101701.82	95601.24	99991.22	99098.09	3.18	ppb
Iron	57-2	103086.62	98972.57	101355.86	101138.35	2.04	ppb
Krypton	83-1						cps
Lead	206-1	4.92	4.71	4.82	4.82	2.13	ppb
Lead	207-1	4.49	4.14	4.19	4.28	4.42	ppb
Lead	208-1	4.62	4.40	4.44	4.49	2.65	ppb
Lithium	6-1				91		%
Magnesium	24-2	99920.33	93490.19	99107.40	97505.98	3.59	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:21:24	DataFile Name :	019ICSA01_P8122118 M

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.86	8.06	8.19	8.04	2.08	ppb
Molybdenum	94-1	1444.67	1432.16	1366.15	1414.33	2.98	ppb
Molybdenum	95-1	2058.07	1979.03	1950.06	1995.72	2.80	ppb
Molybdenum	96-1	1978.35	1929.69	1865.61	1924.55	2.94	ppb
Molybdenum	97-1	2084.68	2023.30	1957.93	2021.97	3.13	ppb
Molybdenum	98-1	2051.59	1987.26	1928.29	1989.05	3.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	6.12	5.74	6.34	6.07	5.03	ppb
Phosphorus	31-2	94429.48	91139.24	96311.00	93959.91	2.79	ppb
Potassium	39-2	98548.08	93728.97	98301.18	96859.41	2.80	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	77-2	-2.58	-2.58	-2.58	-2.58		ppb
Selenium	78-2	0.19	1.44	-0.44	0.40	240.14	ppb
Selenium	82-1	0.26	1.53	-0.35	0.48	201.11	ppb
Silicon	28-1	22.64	16.91	15.10	18.22	21.60	ppb
Silver	109-1	0.82	0.72	0.71	0.75	7.83	ppb
Silver	107-1	0.84	0.72	0.64	0.73	14.09	ppb
Sodium	23-2	99966.45	93077.12	99303.91	97449.16	3.90	ppb
Strontium	86-1	35.34	34.89	33.21	34.48	3.26	ppb
Strontium	88-1	36.21	35.42	34.23	35.28	2.83	ppb
Sulfur	34-1	111142.67	104734.71	103881.48	106586.29	3.72	ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.29	0.28	0.23	0.27	12.17	ppb
Thallium	205-1	0.28	0.28	0.21	0.25	16.47	ppb
Tin	118-1	0.21	0.19	0.17	0.19	11.20	ppb
Titanium	47-1	2106.43	2081.59	2006.95	2064.99	2.51	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	25.11	ppb
Vanadium	51-2	0.11	0.10	0.08	0.10	15.09	ppb
Yttrium	89-1				107		%
Yttrium	89-2				103		%
Zinc	66-2	12.71	12.17	12.45	12.45	2.17	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:21:24	DataFile Name :	019ICSA01_P8122118 M

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.04	0.02	0.03	0.03	36.90	ppb
Zirconium	91-1	0.03	0.00	0.01	0.01	110.49	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:24:43 DataFile Name : 020ICSB_P8122118 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	89877.92	87317.13	86784.25	87993.10	1.88	ppb
Antimony	121-1	21.58	21.15	21.08	21.27	1.27	ppb
Arsenic	75-2	20.16	20.83	19.57	20.19	3.14	ppb
Barium	135-1	22.22	21.73	21.69	21.88	1.34	ppb
Barium	137-1	22.08	21.93	21.28	21.76	1.96	ppb
Beryllium	9-1	22.79	22.09	21.98	22.29	1.97	ppb
Bismuth	209-1				102		%
Bismuth	209-2				98		%
Boron	10-1	73.12	74.54	80.36	76.01	5.05	ppb
Boron	11-1	74.20	73.99	72.95	73.71	0.91	ppb
Cadmium	111-1	20.62	19.93	19.94	20.16	1.97	ppb
Cadmium	106-1	17.53	12.10	15.76	15.13	18.30	ppb
Cadmium	108-1	31.37	25.81	27.42	28.20	10.15	ppb
Calcium	43-1	99697.03	97205.58	97660.49	98187.70	1.35	ppb
Calcium	44-1	99379.08	96410.45	95961.32	97250.28	1.91	ppb
Chromium	52-2	40.68	40.36	40.84	40.63	0.60	ppb
Cobalt	59-2	22.59	22.02	22.47	22.36	1.35	ppb
Copper	63-2	30.71	29.59	29.69	30.00	2.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				103		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	56-2	103647.04	99808.47	100817.01	101424.17	1.96	ppb
Iron	57-2	104776.84	103632.04	102822.48	103743.79	0.95	ppb
Krypton	83-1						cps
Lead	206-1	26.42	26.43	25.91	26.25	1.14	ppb
Lead	207-1	23.71	24.08	24.23	24.01	1.10	ppb
Lead	208-1	25.09	24.91	24.62	24.88	0.95	ppb
Lithium	6-1				83		%
Magnesium	24-2	103257.93	99395.21	98975.66	100542.93	2.35	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:24:43	DataFile Name :	020ICSB_P8122118 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	28.46	26.78	27.65	27.63	3.05	ppb
Molybdenum	94-1	1491.53	1466.59	1411.67	1456.60	2.81	ppb
Molybdenum	95-1	2085.19	2067.04	1975.78	2042.67	2.87	ppb
Molybdenum	96-1	2021.61	1991.21	1920.95	1977.92	2.61	ppb
Molybdenum	97-1	2132.89	2085.81	2029.93	2082.88	2.47	ppb
Molybdenum	98-1	2111.92	2042.68	1996.05	2050.21	2.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.43	26.41	25.71	26.18	1.56	ppb
Phosphorus	31-2	97831.08	91478.78	94190.78	94500.21	3.37	ppb
Potassium	39-2	99926.52	98127.12	97263.51	98439.05	1.38	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				102		%
Scandium	45-2				96		%
Selenium	77-2	29.06	17.21	1.27	15.85	88.00	ppb
Selenium	78-2	36.60	22.98	19.19	26.26	34.86	ppb
Selenium	82-1	19.44	19.50	20.26	19.74	2.32	ppb
Silicon	28-1	82.53	76.37	72.84	77.25	6.35	ppb
Silver	109-1	20.11	19.16	19.36	19.54	2.55	ppb
Silver	107-1	19.82	19.42	19.40	19.54	1.22	ppb
Sodium	23-2	101679.65	98075.50	97634.87	99130.01	2.24	ppb
Strontium	86-1	34.50	34.64	33.79	34.31	1.32	ppb
Strontium	88-1	35.83	35.01	34.75	35.20	1.61	ppb
Sulfur	34-1	105979.55	102087.94	100329.13	102798.87	2.81	ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	21.86	21.09	20.63	21.19	2.92	ppb
Thallium	205-1	21.40	21.08	21.02	21.16	0.97	ppb
Tin	118-1	63.11	61.82	61.03	61.98	1.70	ppb
Titanium	47-1	2190.24	2110.46	2076.16	2125.62	2.75	ppb
Uranium	238-1	0.01	0.00	-0.01	0.00	828.69	ppb
Vanadium	51-2	20.75	20.06	19.64	20.15	2.77	ppb
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	34.15	31.48	32.52	32.71	4.11	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:24:43	DataFile Name :	020ICSB_P8122118 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.04	0.02	0.04	0.03	23.86	ppb
Zirconium	91-1	0.01	0.01	0.02	0.01	45.00	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV99	Instrumnet Name :	P8
Client Sample ID :	CCV99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:28:02	DataFile Name :	021CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52545.35	52195.56	49537.69	51426.20	3.20	ppb
Antimony	121-1	531.58	523.34	538.14	531.02	1.40	ppb
Arsenic	75-2	504.68	512.02	501.23	505.98	1.09	ppb
Barium	135-1	2690.75	2639.93	2715.11	2681.93	1.43	ppb
Barium	137-1	2653.91	2632.73	2736.22	2674.29	2.04	ppb
Beryllium	9-1	567.69	570.61	588.58	575.63	1.97	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Boron	10-1	573.53	581.55	597.09	584.06	2.05	ppb
Boron	11-1	573.41	583.81	611.40	589.54	3.33	ppb
Cadmium	111-1	511.09	510.08	531.82	517.66	2.37	ppb
Cadmium	106-1	507.22	513.34	537.12	519.23	3.04	ppb
Cadmium	108-1	511.56	513.58	526.16	517.10	1.53	ppb
Calcium	43-1	242749.75	250611.35	260401.60	251254.23	3.52	ppb
Calcium	44-1	245682.49	247558.72	261173.19	251471.47	3.36	ppb
Chromium	52-2	533.68	527.37	510.30	523.78	2.31	ppb
Cobalt	59-2	523.53	521.39	497.48	514.13	2.81	ppb
Copper	63-2	1029.35	1010.85	979.14	1006.45	2.52	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				113		%
Holmium	165-2				114		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	127839.77	129387.71	122692.74	126640.07	2.77	ppb
Iron	57-2	131185.50	132090.99	124961.55	129412.68	3.00	ppb
Krypton	83-1						cps
Lead	206-1	535.62	529.60	552.99	539.40	2.25	ppb
Lead	207-1	532.49	526.99	545.80	535.10	1.81	ppb
Lead	208-1	539.36	537.80	554.99	544.05	1.75	ppb
Lithium	6-1				90		%
Magnesium	24-2	267165.08	263549.71	252540.40	261085.06	2.92	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV99	Instrumnet Name :	P8
Client Sample ID :	CCV99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:28:02	DataFile Name :	021CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1031.11	1048.39	989.38	1022.96	2.97	ppb
Molybdenum	94-1	2693.97	2659.00	2772.47	2708.48	2.15	ppb
Molybdenum	95-1	2656.28	2651.58	2752.23	2686.70	2.11	ppb
Molybdenum	96-1	2663.42	2680.25	2721.85	2688.51	1.12	ppb
Molybdenum	97-1	2706.48	2686.68	2762.49	2718.55	1.45	ppb
Molybdenum	98-1	2691.42	2715.26	2754.22	2720.30	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	523.83	526.11	500.97	516.97	2.69	ppb
Phosphorus	31-2	9874.66	10103.46	9195.44	9724.52	4.86	ppb
Potassium	39-2	127231.60	127926.93	122208.68	125789.07	2.48	ppb
Rhodium	103-1				103		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				109		%
Selenium	77-2	505.44	526.68	493.81	508.64	3.28	ppb
Selenium	78-2	501.00	507.74	503.03	503.92	0.69	ppb
Selenium	82-1	519.88	527.08	540.66	529.21	1.99	ppb
Silicon	28-1	498.16	525.70	559.89	527.92	5.86	ppb
Silver	109-1	514.93	511.15	530.63	518.90	1.99	ppb
Silver	107-1	510.66	511.09	532.94	518.23	2.46	ppb
Sodium	23-2	249568.07	249266.32	236990.05	245274.82	2.93	ppb
Strontium	86-1	526.08	527.09	548.91	534.03	2.42	ppb
Strontium	88-1	530.68	535.51	547.51	537.90	1.61	ppb
Sulfur	34-1	11120.41	11969.95	13907.02	12332.46	11.58	ppb
Terbium	159-1				113		%
Terbium	159-2				113		%
Thallium	203-1	533.32	536.04	558.21	542.52	2.52	ppb
Thallium	205-1	537.78	538.49	571.10	549.12	3.47	ppb
Tin	118-1	523.74	518.99	534.83	525.85	1.55	ppb
Titanium	47-1	2640.25	2687.63	2882.32	2736.73	4.69	ppb
Uranium	238-1	556.69	546.48	577.14	560.10	2.79	ppb
Vanadium	51-2	524.54	516.55	498.61	513.23	2.59	ppb
Yttrium	89-1				110		%
Yttrium	89-2				110		%
Zinc	66-2	1033.16	1018.76	977.06	1009.66	2.89	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV99	Instrumnet Name :	P8
Client Sample ID :	CCV99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:28:02	DataFile Name :	021CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	532.17	538.36	562.33	544.29	2.93	ppb
Zirconium	91-1	527.47	526.59	548.82	534.29	2.36	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB99	Instrumnet Name :	P8
Client Sample ID :	CCB99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:33:05	DataFile Name :	022CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.92	-0.83	0.14	-0.53		ppb
Antimony	121-1	0.17	0.17	0.22	0.18	14.47	ppb
Arsenic	75-2	-0.01	0.05	0.10	0.04	125.23	ppb
Barium	135-1	-0.04	-0.03	-0.04	-0.04		ppb
Barium	137-1	-0.01	-0.01	0.00	-0.01		ppb
Beryllium	9-1	0.06	0.06	0.03	0.05	40.84	ppb
Bismuth	209-1				114		%
Bismuth	209-2				115		%
Boron	10-1	6.29	6.02	7.58	6.63	12.60	ppb
Boron	11-1	7.11	6.23	7.66	7.00	10.28	ppb
Cadmium	111-1	-0.03	-0.13	0.04	-0.04		ppb
Cadmium	106-1	-0.45	-1.74	0.52	-0.56		ppb
Cadmium	108-1	0.16	0.05	-0.01	0.07	128.54	ppb
Calcium	43-1	-8.23	-6.97	-4.70	-6.63		ppb
Calcium	44-1	46.55	6.20	9.27	20.67	108.65	ppb
Chromium	52-2	-0.18	-0.26	-0.25	-0.23		ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.07	0.12	0.07	0.09	37.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				115		%
Indium	115-1				111		%
Indium	115-2				110		%
Iron	56-2	-0.08	-0.34	-0.36	-0.26		ppb
Iron	57-2	3.35	-1.22	0.19	0.77	303.78	ppb
Krypton	83-1						cps
Lead	206-1	0.16	0.11	0.13	0.13	17.23	ppb
Lead	207-1	0.15	0.08	0.11	0.11	33.71	ppb
Lead	208-1	0.15	0.10	0.13	0.13	21.07	ppb
Lithium	6-1				96		%
Magnesium	24-2	1.97	2.29	2.26	2.17	8.00	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB99	Instrumnet Name :	P8
Client Sample ID :	CCB99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:33:05	DataFile Name :	022CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.04	0.05	-0.03	-0.01		ppb
Molybdenum	94-1	0.09	0.05	0.12	0.09	40.10	ppb
Molybdenum	95-1	0.09	0.10	0.14	0.11	22.52	ppb
Molybdenum	96-1	0.07	0.10	0.10	0.09	16.64	ppb
Molybdenum	97-1	0.06	0.08	0.07	0.07	11.74	ppb
Molybdenum	98-1	0.10	0.08	0.11	0.10	14.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.02	-0.09	-0.05		ppb
Phosphorus	31-2	-44.96	-32.80	-19.03	-32.26		ppb
Potassium	39-2	26.38	1.03	11.31	12.91	98.77	ppb
Rhodium	103-1				109		%
Rhodium	103-2				112		%
Scandium	45-1				111		%
Scandium	45-2				105		%
Selenium	77-2	-2.58	-2.58	-2.58	-2.58		ppb
Selenium	78-2	-0.44	0.70	-0.44	-0.06		ppb
Selenium	82-1	0.50	0.12	0.92	0.51	77.41	ppb
Silicon	28-1	-13.11	-19.49	-8.44	-13.68		ppb
Silver	109-1	0.05	0.03	0.03	0.04	28.79	ppb
Silver	107-1	0.05	0.03	0.04	0.04	29.71	ppb
Sodium	23-2	92.75	79.37	78.77	83.63	9.45	ppb
Strontium	86-1	0.01	-0.05	0.04	0.00	1603.91	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-2133.72	-3811.95	-884.07	-2276.58		ppb
Terbium	159-1				114		%
Terbium	159-2				116		%
Thallium	203-1	0.15	0.15	0.18	0.16	10.76	ppb
Thallium	205-1	0.17	0.15	0.16	0.16	4.91	ppb
Tin	118-1	0.03	0.02	0.05	0.04	45.56	ppb
Titanium	47-1	0.02	-0.03	-0.07	-0.03		ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	0.01	-0.02	0.00	0.00		ppb
Yttrium	89-1				111		%
Yttrium	89-2				110		%
Zinc	66-2	0.20	-0.09	0.00	0.04	395.85	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB99	Instrumnet Name :	P8
Client Sample ID :	CCB99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:33:05	DataFile Name :	022CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.02	0.02	31.25	ppb
Zirconium	91-1	0.02	0.04	0.00	0.02	102.24	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:36:30	DataFile Name :	023LLCC_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21.90	13.25	16.96	17.37	24.98	ppb
Antimony	121-1	1.97	1.83	1.89	1.90	3.51	ppb
Arsenic	75-2	0.88	0.87	1.20	0.98	19.25	ppb
Barium	135-1	10.20	9.45	9.70	9.78	3.91	ppb
Barium	137-1	9.92	9.76	9.75	9.81	0.96	ppb
Beryllium	9-1	1.10	1.00	1.05	1.05	4.66	ppb
Bismuth	209-1				115		%
Bismuth	209-2				117		%
Boron	10-1	27.37	28.07	26.44	27.29	2.98	ppb
Boron	11-1	27.14	28.19	27.19	27.51	2.15	ppb
Cadmium	111-1	0.82	0.84	0.96	0.87	9.18	ppb
Cadmium	106-1	-1.43	-0.06	0.42	-0.36		ppb
Cadmium	108-1	0.81	1.19	1.20	1.07	21.04	ppb
Calcium	43-1	455.92	446.53	458.84	453.76	1.42	ppb
Calcium	44-1	504.64	466.02	460.74	477.13	5.02	ppb
Chromium	52-2	1.59	1.82	1.53	1.65	9.27	ppb
Cobalt	59-2	0.99	1.00	1.06	1.02	3.53	ppb
Copper	63-2	2.10	2.19	2.10	2.13	2.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				116		%
Indium	115-1				113		%
Indium	115-2				111		%
Iron	56-2	50.68	52.00	52.23	51.64	1.62	ppb
Iron	57-2	45.86	53.62	50.06	49.84	7.79	ppb
Krypton	83-1						cps
Lead	206-1	1.00	1.04	1.00	1.01	2.17	ppb
Lead	207-1	1.03	0.99	1.05	1.02	3.22	ppb
Lead	208-1	0.99	1.03	1.03	1.02	2.26	ppb
Lithium	6-1				94		%
Magnesium	24-2	474.55	502.18	511.77	496.17	3.89	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:36:30	DataFile Name :	023LLCC_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.65	0.96	0.94	0.85	20.95	ppb
Molybdenum	94-1	5.00	4.98	5.14	5.04	1.76	ppb
Molybdenum	95-1	4.92	5.05	4.95	4.97	1.34	ppb
Molybdenum	96-1	5.35	4.83	5.30	5.16	5.56	ppb
Molybdenum	97-1	5.30	5.03	5.32	5.22	3.07	ppb
Molybdenum	98-1	5.22	4.88	5.07	5.06	3.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.02	1.01	0.97	1.00	2.39	ppb
Phosphorus	31-2	-7.37	-18.79	19.53	-2.21		ppb
Potassium	39-2	485.61	490.54	460.40	478.85	3.38	ppb
Rhodium	103-1				112		%
Rhodium	103-2				113		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	77-2	4.53	4.60	0.97	3.37	61.55	ppb
Selenium	78-2	4.82	4.28	9.51	6.20	46.36	ppb
Selenium	82-1	5.43	6.22	5.45	5.70	7.88	ppb
Silicon	28-1	-3.33	-5.77	-7.24	-5.45		ppb
Silver	109-1	1.07	0.96	0.96	1.00	6.19	ppb
Silver	107-1	1.01	1.00	1.02	1.01	1.11	ppb
Sodium	23-2	550.50	564.32	536.23	550.35	2.55	ppb
Strontium	86-1	0.84	0.76	0.79	0.80	4.70	ppb
Strontium	88-1	0.97	0.93	1.00	0.97	3.58	ppb
Sulfur	34-1	-1917.60	-2760.97	-2712.62	-2463.73		ppb
Terbium	159-1				116		%
Terbium	159-2				116		%
Thallium	203-1	1.11	1.09	1.06	1.09	2.39	ppb
Thallium	205-1	1.04	1.04	1.09	1.06	2.79	ppb
Tin	118-1	4.82	4.84	4.88	4.84	0.63	ppb
Titanium	47-1	4.29	5.21	5.34	4.95	11.63	ppb
Uranium	238-1	0.92	0.95	0.96	0.94	1.86	ppb
Vanadium	51-2	5.22	4.94	5.08	5.08	2.80	ppb
Yttrium	89-1				112		%
Yttrium	89-2				111		%
Zinc	66-2	1.76	2.15	2.27	2.06	12.81	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:36:30	DataFile Name :	023LLCC_P8122118 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.97	0.93	0.95	0.95	2.08	ppb
Zirconium	91-1	0.82	0.93	0.82	0.86	7.39	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BL	Instrumnet Name :	P8
Client Sample ID :	PB115850BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:39:55	DataFile Name :	024CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.61	-2.01	-1.69	-1.44		ppb
Antimony	121-1	0.03	0.05	0.05	0.04	26.58	ppb
Arsenic	75-2	-0.01	-0.01	0.07	0.01	328.91	ppb
Barium	135-1	-0.05	-0.03	-0.04	-0.04		ppb
Barium	137-1	-0.04	-0.04	-0.03	-0.03		ppb
Beryllium	9-1	0.08	0.00	0.01	0.03	147.04	ppb
Bismuth	209-1				109		%
Bismuth	209-2				110		%
Boron	10-1	2.53	2.30	1.85	2.23	15.34	ppb
Boron	11-1	3.18	1.68	2.74	2.53	30.49	ppb
Cadmium	111-1	0.05	-0.15	-0.06	-0.05		ppb
Cadmium	106-1	0.74	-2.05	-0.74	-0.68		ppb
Cadmium	108-1	0.08	0.06	0.11	0.09	31.52	ppb
Calcium	43-1	-9.48	-11.33	-8.16	-9.66		ppb
Calcium	44-1	35.13	-6.09	-10.83	6.07	416.42	ppb
Chromium	52-2	-0.20	-0.06	-0.02	-0.09		ppb
Cobalt	59-2	-0.02	0.00	-0.01	-0.01		ppb
Copper	63-2	0.01	0.05	0.07	0.04	79.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				111		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	-1.05	0.16	0.05	-0.28		ppb
Iron	57-2	1.29	-0.62	-0.24	0.14	710.46	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.09	0.03	0.06	49.28	ppb
Lead	207-1	0.06	0.07	0.06	0.06	8.55	ppb
Lead	208-1	0.06	0.05	0.06	0.06	2.83	ppb
Lithium	6-1				85		%
Magnesium	24-2	2.84	0.75	3.67	2.42	62.05	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BL	Instrumnet Name :	P8
Client Sample ID :	PB115850BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:39:55	DataFile Name :	024CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.03	-0.01	0.04	0.00	31083.94	ppb
Molybdenum	94-1	0.00	0.03	0.05	0.03	89.60	ppb
Molybdenum	95-1	0.01	0.00	-0.01	0.00		ppb
Molybdenum	96-1	0.01	0.00	0.02	0.01	76.87	ppb
Molybdenum	97-1	0.07	0.02	0.04	0.04	65.36	ppb
Molybdenum	98-1	0.03	0.02	0.03	0.02	26.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.06	-0.02	-0.03		ppb
Phosphorus	31-2	-33.13	-44.58	-30.60	-36.10		ppb
Potassium	39-2	-12.38	35.77	22.54	15.31	162.44	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				107		%
Scandium	45-2				103		%
Selenium	77-2	-2.58	-2.58	4.92	-0.08		ppb
Selenium	78-2	-0.44	0.82	0.18	0.19	337.81	ppb
Selenium	82-1	0.76	-0.41	-0.28	0.02	2747.58	ppb
Silicon	28-1	-7.92	-13.47	-7.17	-9.52		ppb
Silver	109-1	0.01	0.01	0.03	0.02	49.59	ppb
Silver	107-1	0.02	0.01	0.01	0.01	62.02	ppb
Sodium	23-2	49.91	60.45	66.74	59.04	14.41	ppb
Strontium	86-1	0.02	0.00	0.10	0.04	143.82	ppb
Strontium	88-1	-0.01	0.00	0.00	0.00		ppb
Sulfur	34-1	-381.08	-2751.43	-1265.01	-1465.84		ppb
Terbium	159-1				111		%
Terbium	159-2				111		%
Thallium	203-1	0.10	0.10	0.09	0.09	6.89	ppb
Thallium	205-1	0.10	0.08	0.09	0.09	10.76	ppb
Tin	118-1	0.01	0.00	0.02	0.01	155.81	ppb
Titanium	47-1	-0.02	-0.10	-0.01	-0.04		ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	-0.01	-0.02	-0.01	-0.01		ppb
Yttrium	89-1				107		%
Yttrium	89-2				108		%
Zinc	66-2	-1.02	-0.94	-0.68	-0.88		ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BL	Instrumnet Name :	P8
Client Sample ID :	PB115850BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:39:55	DataFile Name :	024CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.01	0.01	63.94	ppb
Zirconium	91-1	-0.03	-0.02	0.01	-0.01		ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BS	Instrumnet Name :	P8
Client Sample ID :	PB115850BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:43:20	DataFile Name :	025LCS6_P8122118 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9774.74	9431.51	10208.48	9804.91	3.97	ppb
Antimony	121-1	492.74	489.96	509.50	497.40	2.12	ppb
Arsenic	75-2	508.06	480.31	537.00	508.46	5.58	ppb
Barium	135-1	2501.80	2447.91	2559.94	2503.22	2.24	ppb
Barium	137-1	2498.95	2438.51	2560.00	2499.15	2.43	ppb
Beryllium	9-1	517.17	511.73	528.74	519.21	1.67	ppb
Bismuth	209-1				115		%
Bismuth	209-2				109		%
Boron	10-1	495.25	522.81	522.67	513.58	3.09	ppb
Boron	11-1	506.43	516.32	532.40	518.38	2.53	ppb
Cadmium	111-1	489.64	487.07	505.95	494.22	2.07	ppb
Cadmium	106-1	488.08	487.54	506.67	494.10	2.20	ppb
Cadmium	108-1	487.76	480.85	497.69	488.77	1.73	ppb
Calcium	43-1	48191.70	47194.66	48616.37	48000.91	1.52	ppb
Calcium	44-1	47708.01	46795.44	48668.36	47723.94	1.96	ppb
Chromium	52-2	516.45	499.85	536.47	517.59	3.54	ppb
Cobalt	59-2	520.47	501.58	542.93	521.66	3.97	ppb
Copper	63-2	1058.56	1024.13	1088.53	1057.07	3.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				118		%
Holmium	165-2				113		%
Indium	115-1				114		%
Indium	115-2				105		%
Iron	56-2	26215.34	25148.03	26803.74	26055.70	3.22	ppb
Iron	57-2	25786.79	24974.25	26861.95	25874.33	3.66	ppb
Krypton	83-1						cps
Lead	206-1	495.02	484.43	510.41	496.62	2.63	ppb
Lead	207-1	497.64	481.47	504.05	494.39	2.35	ppb
Lead	208-1	504.51	489.66	511.53	501.90	2.23	ppb
Lithium	6-1				99		%
Magnesium	24-2	54389.63	53027.96	57156.24	54857.94	3.83	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BS	Instrumnet Name :	P8
Client Sample ID :	PB115850BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:43:20	DataFile Name :	025LCS6_P8122118 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1035.53	980.82	1071.67	1029.34	4.44	ppb
Molybdenum	94-1	2485.05	2470.44	2530.37	2495.28	1.25	ppb
Molybdenum	95-1	2508.00	2427.21	2550.14	2495.12	2.50	ppb
Molybdenum	96-1	2528.99	2449.14	2563.12	2513.75	2.33	ppb
Molybdenum	97-1	2525.73	2499.89	2612.57	2546.06	2.32	ppb
Molybdenum	98-1	2510.16	2481.95	2560.33	2517.48	1.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	521.18	499.53	547.21	522.64	4.57	ppb
Phosphorus	31-2	9350.44	9401.89	10265.55	9672.63	5.32	ppb
Potassium	39-2	25150.90	24259.62	26320.21	25243.58	4.09	ppb
Rhodium	103-1				110		%
Rhodium	103-2				106		%
Scandium	45-1				115		%
Scandium	45-2				105		%
Selenium	77-2	449.15	493.98	572.80	505.31	12.39	ppb
Selenium	78-2	488.61	453.49	539.35	493.81	8.74	ppb
Selenium	82-1	501.15	488.87	505.92	498.65	1.76	ppb
Silicon	28-1	511.67	517.37	545.35	524.80	3.44	ppb
Silver	109-1	498.28	491.50	514.18	501.32	2.32	ppb
Silver	107-1	496.89	488.70	510.47	498.69	2.20	ppb
Sodium	23-2	50852.11	49589.76	53736.06	51392.64	4.14	ppb
Strontium	86-1	503.32	487.84	506.36	499.17	1.99	ppb
Strontium	88-1	508.40	494.00	509.30	503.90	1.70	ppb
Sulfur	34-1	10551.49	9526.85	10634.99	10237.78	6.03	ppb
Terbium	159-1				118		%
Terbium	159-2				113		%
Thallium	203-1	503.99	490.90	515.08	503.32	2.40	ppb
Thallium	205-1	510.93	498.68	526.51	512.04	2.72	ppb
Tin	118-1	498.95	491.99	511.08	500.67	1.93	ppb
Titanium	47-1	2559.05	2452.42	2564.54	2525.34	2.50	ppb
Uranium	238-1	497.34	489.69	511.66	499.56	2.23	ppb
Vanadium	51-2	511.84	494.04	536.29	514.06	4.13	ppb
Yttrium	89-1				115		%
Yttrium	89-2				108		%
Zinc	66-2	1032.11	1008.96	1081.92	1041.00	3.58	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BS	Instrumnet Name :	P8
Client Sample ID :	PB115850BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:43:20	DataFile Name :	025LCS6_P8122118 MS.

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	510.89	490.60	510.21	503.90	2.29	ppb
Zirconium	91-1	496.90	485.69	502.85	495.15	1.76	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:46:36	DataFile Name :	026SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	141045.34	139007.28	145146.31	141732.98	2.21	ppb
Antimony	121-1	0.39	0.41	0.45	0.42	7.73	ppb
Arsenic	75-2	43.94	45.01	47.70	45.55	4.25	ppb
Barium	135-1	1880.09	1868.02	1890.05	1879.39	0.59	ppb
Barium	137-1	1856.03	1871.42	1882.85	1870.10	0.72	ppb
Beryllium	9-1	7.99	7.60	7.48	7.69	3.49	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Boron	10-1	14.00	12.91	11.60	12.83	9.36	ppb
Boron	11-1	13.13	13.19	11.53	12.61	7.45	ppb
Cadmium	111-1	1.54	1.68	1.69	1.64	5.16	ppb
Cadmium	106-1	4.62	6.43	5.96	5.67	16.60	ppb
Cadmium	108-1	3.37	3.14	3.76	3.42	9.17	ppb
Calcium	43-1	8452.93	8648.79	8742.86	8614.86	1.72	ppb
Calcium	44-1	8758.39	8741.66	8673.21	8724.42	0.52	ppb
Chromium	52-2	142.14	139.46	147.58	143.06	2.89	ppb
Cobalt	59-2	100.04	97.05	102.86	99.98	2.91	ppb
Copper	63-2	140.16	137.41	144.82	140.79	2.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	303081.11	299096.59	314153.49	305443.73	2.55	ppb
Iron	57-2	307957.13	296409.89	313633.06	306000.02	2.87	ppb
Krypton	83-1						cps
Lead	206-1	384.00	396.73	383.51	388.08	1.93	ppb
Lead	207-1	358.05	368.15	363.37	363.19	1.39	ppb
Lead	208-1	374.87	386.82	380.55	380.75	1.57	ppb
Lithium	6-1				94		%
Magnesium	24-2	43836.52	42446.64	45071.13	43784.76	3.00	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:46:36	DataFile Name :	026SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	16205.81	15679.29	16478.05	16121.05	2.52	ppb
Molybdenum	94-1	39.31	39.44	39.54	39.43	0.29	ppb
Molybdenum	95-1	3.01	2.91	3.11	3.01	3.29	ppb
Molybdenum	96-1	7.56	7.66	7.79	7.67	1.54	ppb
Molybdenum	97-1	2.98	2.87	3.06	2.97	3.21	ppb
Molybdenum	98-1	2.80	2.93	2.96	2.90	2.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	167.80	164.05	171.55	167.80	2.23	ppb
Phosphorus	31-2	6993.19	7164.88	7670.77	7276.28	4.84	ppb
Potassium	39-2	4648.23	4532.58	4809.58	4663.47	2.98	ppb
Rhodium	103-1				105		%
Rhodium	103-2				102		%
Scandium	45-1				115		%
Scandium	45-2				108		%
Selenium	77-2	120.31	153.78	160.22	144.77	14.80	ppb
Selenium	78-2	27.52	22.68	18.67	22.96	19.30	ppb
Selenium	82-1	4.10	3.51	3.39	3.67	10.32	ppb
Silicon	28-1	871.09	897.70	896.03	888.27	1.68	ppb
Silver	109-1	0.46	0.50	0.52	0.49	6.21	ppb
Silver	107-1	0.47	0.48	0.54	0.50	7.16	ppb
Sodium	23-2	882.69	867.83	905.78	885.43	2.16	ppb
Strontium	86-1	68.93	69.62	69.19	69.25	0.51	ppb
Strontium	88-1	70.56	71.51	71.66	71.24	0.84	ppb
Sulfur	34-1	-6965.91	-6927.12	-7260.48	-7051.17		ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	1.12	1.13	1.14	1.13	0.88	ppb
Thallium	205-1	1.13	1.07	1.12	1.11	2.69	ppb
Tin	118-1	2.64	2.64	2.74	2.67	2.13	ppb
Titanium	47-1	72.86	81.12	72.94	75.64	6.28	ppb
Uranium	238-1	3.31	3.26	3.24	3.27	1.13	ppb
Vanadium	51-2	193.08	188.07	197.36	192.84	2.41	ppb
Yttrium	89-1				129		%
Yttrium	89-2				124		%
Zinc	66-2	853.28	834.88	883.25	857.14	2.85	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:46:36	DataFile Name :	026SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	24.56	24.96	24.83	24.78	0.83	ppb
Zirconium	91-1	23.84	24.23	24.43	24.16	1.25	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:49:57	DataFile Name :	027SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46253.00	49318.09	46358.66	47309.92	3.68	ppb
Antimony	121-1	0.67	0.67	0.70	0.68	2.59	ppb
Arsenic	75-2	13.83	14.43	13.71	13.99	2.74	ppb
Barium	135-1	1601.04	1661.34	1688.37	1650.25	2.71	ppb
Barium	137-1	1575.02	1663.40	1717.67	1652.03	4.36	ppb
Beryllium	9-1	2.72	3.05	3.03	2.94	6.28	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	11.12	9.28	11.19	10.53	10.27	ppb
Boron	11-1	10.21	11.18	10.53	10.64	4.68	ppb
Cadmium	111-1	4.62	4.84	5.21	4.89	6.06	ppb
Cadmium	106-1	6.01	5.74	6.09	5.95	3.14	ppb
Cadmium	108-1	5.05	6.06	5.61	5.57	9.16	ppb
Calcium	43-1	23113.15	23786.32	24078.43	23659.30	2.09	ppb
Calcium	44-1	23500.02	23777.34	24349.65	23875.67	1.81	ppb
Chromium	52-2	51.74	56.01	52.45	53.40	4.28	ppb
Cobalt	59-2	21.27	22.91	22.11	22.10	3.72	ppb
Copper	63-2	164.89	174.73	165.97	168.53	3.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	58364.96	62351.06	58756.92	59824.31	3.67	ppb
Iron	57-2	56966.18	62090.78	58618.01	59224.99	4.42	ppb
Krypton	83-1						cps
Lead	206-1	139.24	145.24	145.62	143.36	2.50	ppb
Lead	207-1	127.08	132.80	132.86	130.91	2.54	ppb
Lead	208-1	132.85	138.89	140.02	137.25	2.81	ppb
Lithium	6-1				86		%
Magnesium	24-2	7802.43	8217.22	7751.05	7923.57	3.23	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:49:57	DataFile Name :	027SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	917.43	986.68	930.80	944.97	3.89	ppb
Molybdenum	94-1	19.07	19.05	20.02	19.38	2.84	ppb
Molybdenum	95-1	3.24	3.23	3.26	3.24	0.50	ppb
Molybdenum	96-1	5.08	5.34	5.48	5.30	3.91	ppb
Molybdenum	97-1	3.08	3.18	3.38	3.21	4.69	ppb
Molybdenum	98-1	3.10	3.25	3.20	3.19	2.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	62.55	67.49	64.79	64.94	3.80	ppb
Phosphorus	31-2	3786.40	3733.64	3314.66	3611.57	7.16	ppb
Potassium	39-2	3116.17	3426.42	3249.17	3263.92	4.77	ppb
Rhodium	103-1				105		%
Rhodium	103-2				108		%
Scandium	45-1				110		%
Scandium	45-2				107		%
Selenium	77-2	102.61	71.80	99.52	91.31	18.58	ppb
Selenium	78-2	23.66	22.89	18.43	21.66	13.02	ppb
Selenium	82-1	7.51	7.67	7.88	7.68	2.42	ppb
Silicon	28-1	711.96	769.34	772.72	751.34	4.54	ppb
Silver	109-1	0.32	0.41	0.39	0.37	11.71	ppb
Silver	107-1	0.41	0.42	0.39	0.40	2.99	ppb
Sodium	23-2	471.65	497.55	469.00	479.40	3.29	ppb
Strontium	86-1	188.46	191.46	193.12	191.02	1.24	ppb
Strontium	88-1	193.70	197.80	199.50	197.00	1.51	ppb
Sulfur	34-1	11262.22	12115.01	11860.20	11745.81	3.73	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	0.35	0.37	0.39	0.37	6.06	ppb
Thallium	205-1	0.33	0.35	0.36	0.35	4.16	ppb
Tin	118-1	1.50	1.64	1.67	1.60	5.76	ppb
Titanium	47-1	88.77	91.10	93.80	91.23	2.76	ppb
Uranium	238-1	3.06	3.32	3.35	3.24	4.93	ppb
Vanadium	51-2	57.95	61.97	58.47	59.46	3.68	ppb
Yttrium	89-1				121		%
Yttrium	89-2				122		%
Zinc	66-2	217.95	230.25	213.97	220.72	3.85	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:49:57	DataFile Name :	027SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	11.35	11.54	11.66	11.52	1.38	ppb
Zirconium	91-1	11.66	11.24	11.53	11.48	1.89	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:53:20	DataFile Name :	028SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	62815.16	63409.88	62849.59	63024.87	0.53	ppb
Antimony	121-1	0.67	0.63	0.61	0.64	4.73	ppb
Arsenic	75-2	16.83	16.94	17.90	17.22	3.42	ppb
Barium	135-1	2482.43	2431.14	2400.93	2438.17	1.69	ppb
Barium	137-1	2435.72	2443.13	2384.26	2421.04	1.32	ppb
Beryllium	9-1	4.07	4.03	3.82	3.98	3.37	ppb
Bismuth	209-1				102		%
Bismuth	209-2				102		%
Boron	10-1	5.97	4.92	6.89	5.92	16.60	ppb
Boron	11-1	7.41	7.36	7.37	7.38	0.35	ppb
Cadmium	111-1	3.97	3.63	4.06	3.89	5.84	ppb
Cadmium	106-1	7.44	5.24	6.02	6.24	17.92	ppb
Cadmium	108-1	4.72	5.52	4.99	5.07	8.01	ppb
Calcium	43-1	35236.03	34656.09	34604.91	34832.34	1.01	ppb
Calcium	44-1	35188.53	35068.08	34460.58	34905.73	1.12	ppb
Chromium	52-2	66.83	68.31	67.92	67.69	1.13	ppb
Cobalt	59-2	26.40	26.54	26.98	26.64	1.14	ppb
Copper	63-2	217.75	217.73	220.66	218.71	0.77	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				108		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				103		%
Iron	56-2	67478.32	67916.62	68233.93	67876.29	0.56	ppb
Iron	57-2	67196.08	67025.30	67719.44	67313.61	0.54	ppb
Krypton	83-1						cps
Lead	206-1	157.83	159.73	156.82	158.13	0.93	ppb
Lead	207-1	146.97	147.06	144.34	146.12	1.06	ppb
Lead	208-1	153.15	153.55	151.06	152.59	0.88	ppb
Lithium	6-1				83		%
Magnesium	24-2	8366.39	8375.17	8327.60	8356.38	0.30	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:53:20	DataFile Name :	028SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	768.26	779.08	781.65	776.33	0.92	ppb
Molybdenum	94-1	26.85	27.50	27.52	27.29	1.41	ppb
Molybdenum	95-1	4.25	4.44	4.24	4.31	2.71	ppb
Molybdenum	96-1	7.19	6.89	6.93	7.00	2.32	ppb
Molybdenum	97-1	4.26	4.19	4.16	4.20	1.22	ppb
Molybdenum	98-1	4.20	4.43	4.31	4.31	2.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	73.03	73.82	75.29	74.05	1.55	ppb
Phosphorus	31-2	4053.56	4306.07	3944.24	4101.29	4.52	ppb
Potassium	39-2	2726.40	2801.93	2759.69	2762.67	1.37	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	77-2	173.22	154.78	175.68	167.89	6.80	ppb
Selenium	78-2	39.28	37.31	37.07	37.89	3.20	ppb
Selenium	82-1	10.50	10.69	11.71	10.96	5.94	ppb
Silicon	28-1	1525.90	1750.62	1467.22	1581.25	9.46	ppb
Silver	109-1	0.39	0.36	0.35	0.37	6.30	ppb
Silver	107-1	0.39	0.38	0.36	0.38	3.30	ppb
Sodium	23-2	508.93	499.83	474.59	494.45	3.60	ppb
Strontium	86-1	277.22	275.14	271.24	274.54	1.11	ppb
Strontium	88-1	283.02	280.62	278.14	280.59	0.87	ppb
Sulfur	34-1	19242.71	18079.14	17506.76	18276.20	4.84	ppb
Terbium	159-1				109		%
Terbium	159-2				107		%
Thallium	203-1	0.43	0.48	0.48	0.46	6.76	ppb
Thallium	205-1	0.46	0.42	0.46	0.45	4.84	ppb
Tin	118-1	1.56	1.54	1.60	1.57	1.92	ppb
Titanium	47-1	134.56	135.09	132.41	134.02	1.06	ppb
Uranium	238-1	4.72	4.84	4.72	4.76	1.46	ppb
Vanadium	51-2	78.22	78.47	78.99	78.56	0.50	ppb
Yttrium	89-1				128		%
Yttrium	89-2				126		%
Zinc	66-2	250.33	254.15	256.27	253.58	1.19	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:53:20	DataFile Name :	028SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	16.54	16.46	16.34	16.45	0.61	ppb
Zirconium	91-1	16.00	16.35	16.56	16.31	1.74	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:56:42	DataFile Name :	029SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	72493.95	69434.46	72079.61	71336.01	2.33	ppb
Antimony	121-1	0.73	0.72	0.68	0.71	3.67	ppb
Arsenic	75-2	31.13	31.27	31.62	31.34	0.80	ppb
Barium	135-1	2584.98	2571.44	2548.88	2568.43	0.71	ppb
Barium	137-1	2545.74	2557.06	2515.65	2539.48	0.84	ppb
Beryllium	9-1	4.69	4.96	5.26	4.97	5.76	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Boron	10-1	5.67	5.35	7.45	6.16	18.35	ppb
Boron	11-1	6.81	7.11	7.33	7.08	3.67	ppb
Cadmium	111-1	3.51	3.42	3.50	3.48	1.49	ppb
Cadmium	106-1	6.99	7.23	4.96	6.39	19.52	ppb
Cadmium	108-1	4.78	4.68	4.47	4.64	3.38	ppb
Calcium	43-1	38551.34	38195.24	38897.42	38548.00	0.91	ppb
Calcium	44-1	38321.98	38791.09	39088.00	38733.69	1.00	ppb
Chromium	52-2	81.78	79.28	82.17	81.07	1.93	ppb
Cobalt	59-2	43.52	41.26	42.90	42.56	2.74	ppb
Copper	63-2	258.87	250.47	257.97	255.77	1.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	110186.61	105409.54	110794.20	108796.78	2.71	ppb
Iron	57-2	113789.61	107045.13	111803.26	110879.33	3.13	ppb
Krypton	83-1						cps
Lead	206-1	255.16	251.60	252.76	253.17	0.72	ppb
Lead	207-1	233.62	230.17	234.77	232.85	1.03	ppb
Lead	208-1	244.21	242.06	244.67	243.65	0.57	ppb
Lithium	6-1				83		%
Magnesium	24-2	15087.63	14591.51	15043.15	14907.43	1.84	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:56:42	DataFile Name :	029SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2645.42	2548.86	2661.01	2618.43	2.32	ppb
Molybdenum	94-1	34.82	34.71	34.28	34.60	0.82	ppb
Molybdenum	95-1	5.06	5.22	5.26	5.18	2.06	ppb
Molybdenum	96-1	8.74	8.95	8.72	8.80	1.42	ppb
Molybdenum	97-1	4.89	5.33	5.10	5.11	4.37	ppb
Molybdenum	98-1	5.03	5.27	5.06	5.12	2.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	102.44	99.94	102.97	101.78	1.59	ppb
Phosphorus	31-2	4782.09	4318.34	5066.06	4722.16	7.99	ppb
Potassium	39-2	3395.46	3250.90	3312.75	3319.70	2.18	ppb
Rhodium	103-1				105		%
Rhodium	103-2				107		%
Scandium	45-1				111		%
Scandium	45-2				106		%
Selenium	77-2	129.68	120.81	127.26	125.92	3.64	ppb
Selenium	78-2	25.84	27.95	28.70	27.50	5.39	ppb
Selenium	82-1	9.63	9.00	9.48	9.37	3.53	ppb
Silicon	28-1	2898.22	2974.82	2880.29	2917.78	1.72	ppb
Silver	109-1	0.37	0.35	0.35	0.36	3.66	ppb
Silver	107-1	0.41	0.39	0.37	0.39	4.81	ppb
Sodium	23-2	503.05	479.26	511.89	498.06	3.39	ppb
Strontium	86-1	313.23	310.27	308.09	310.53	0.83	ppb
Strontium	88-1	317.44	316.58	314.58	316.20	0.46	ppb
Sulfur	34-1	12582.74	13089.38	13130.00	12934.04	2.36	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	0.47	0.50	0.45	0.47	4.79	ppb
Thallium	205-1	0.52	0.50	0.49	0.51	2.84	ppb
Tin	118-1	2.43	2.45	2.35	2.41	2.19	ppb
Titanium	47-1	138.60	138.67	141.75	139.67	1.28	ppb
Uranium	238-1	4.33	4.29	4.30	4.31	0.54	ppb
Vanadium	51-2	106.26	104.26	106.40	105.64	1.13	ppb
Yttrium	89-1				130		%
Yttrium	89-2				127		%
Zinc	66-2	366.98	352.63	366.81	362.14	2.27	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:56:42	DataFile Name :	029SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	20.74	20.66	20.57	20.66	0.42	ppb
Zirconium	91-1	20.54	20.98	20.68	20.73	1.09	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:00:03	DataFile Name :	030SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	104926.16	109468.08	101923.45	105439.23	3.60	ppb
Antimony	121-1	0.22	0.22	0.22	0.22	0.88	ppb
Arsenic	75-2	53.50	56.23	53.27	54.33	3.03	ppb
Barium	135-1	1796.57	1763.42	1718.44	1759.48	2.23	ppb
Barium	137-1	1789.46	1775.26	1698.44	1754.39	2.79	ppb
Beryllium	9-1	7.05	6.65	6.67	6.79	3.33	ppb
Bismuth	209-1				103		%
Bismuth	209-2				97		%
Boron	10-1	9.49	6.64	8.65	8.26	17.70	ppb
Boron	11-1	10.09	9.48	9.69	9.76	3.18	ppb
Cadmium	111-1	2.71	2.70	2.70	2.70	0.32	ppb
Cadmium	106-1	9.62	10.64	11.14	10.47	7.43	ppb
Cadmium	108-1	5.58	5.16	4.67	5.13	8.88	ppb
Calcium	43-1	32687.65	32468.21	30838.98	31998.28	3.16	ppb
Calcium	44-1	32810.12	32353.45	30009.49	31724.35	4.74	ppb
Chromium	52-2	147.02	154.16	144.61	148.60	3.34	ppb
Cobalt	59-2	103.43	107.81	101.38	104.21	3.16	ppb
Copper	63-2	414.17	434.83	405.36	418.12	3.62	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				103		%
Indium	115-1				106		%
Indium	115-2				99		%
Iron	56-2	237428.47	251122.19	231819.83	240123.50	4.14	ppb
Iron	57-2	239454.31	247285.16	233446.88	240062.12	2.89	ppb
Krypton	83-1						cps
Lead	206-1	306.55	305.38	286.55	299.49	3.75	ppb
Lead	207-1	279.91	281.19	263.74	274.95	3.54	ppb
Lead	208-1	292.94	298.71	277.36	289.67	3.81	ppb
Lithium	6-1				85		%
Magnesium	24-2	42240.93	44131.21	41754.09	42708.74	2.94	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:00:03	DataFile Name :	030SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	8185.60	8583.63	8073.04	8280.76	3.24	ppb
Molybdenum	94-1	53.26	54.39	52.01	53.22	2.24	ppb
Molybdenum	95-1	5.29	5.16	5.08	5.18	2.12	ppb
Molybdenum	96-1	11.19	11.17	10.94	11.10	1.27	ppb
Molybdenum	97-1	4.93	5.38	5.10	5.13	4.45	ppb
Molybdenum	98-1	5.24	5.04	4.93	5.07	3.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	215.27	227.36	212.11	218.25	3.69	ppb
Phosphorus	31-2	4060.62	4721.49	4522.21	4434.77	7.64	ppb
Potassium	39-2	7233.78	7478.29	6987.51	7233.19	3.39	ppb
Rhodium	103-1				104		%
Rhodium	103-2				101		%
Scandium	45-1				114		%
Scandium	45-2				107		%
Selenium	77-2	187.69	165.16	215.67	189.51	13.35	ppb
Selenium	78-2	46.46	37.76	44.16	42.79	10.53	ppb
Selenium	82-1	5.81	6.03	5.59	5.81	3.78	ppb
Silicon	28-1	1673.78	1455.88	1391.46	1507.04	9.82	ppb
Silver	109-1	0.43	0.46	0.48	0.46	5.53	ppb
Silver	107-1	0.49	0.52	0.48	0.50	3.53	ppb
Sodium	23-2	679.76	714.17	671.29	688.41	3.30	ppb
Strontium	86-1	190.87	193.72	185.64	190.07	2.16	ppb
Strontium	88-1	197.07	200.20	189.64	195.64	2.77	ppb
Sulfur	34-1	-316.07	-1111.29	-2670.64	-1366.00		ppb
Terbium	159-1				111		%
Terbium	159-2				104		%
Thallium	203-1	0.66	0.75	0.79	0.73	9.41	ppb
Thallium	205-1	0.76	0.72	0.70	0.73	3.75	ppb
Tin	118-1	2.08	2.34	2.10	2.17	6.84	ppb
Titanium	47-1	95.95	95.94	91.69	94.53	2.60	ppb
Uranium	238-1	5.48	5.47	5.17	5.37	3.23	ppb
Vanadium	51-2	141.53	147.19	137.04	141.92	3.59	ppb
Yttrium	89-1				145		%
Yttrium	89-2				137		%
Zinc	66-2	716.00	746.31	698.06	720.12	3.39	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:00:03	DataFile Name :	030SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	33.44	33.81	32.52	33.26	1.99	ppb
Zirconium	91-1	32.98	33.80	31.55	32.78	3.47	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:03:26	DataFile Name :	031SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	64024.57	64538.09	62027.22	63529.96	2.09	ppb
Antimony	121-1	0.59	0.68	0.63	0.63	7.03	ppb
Arsenic	75-2	20.08	20.09	19.50	19.89	1.71	ppb
Barium	135-1	1784.90	1956.94	1843.71	1861.85	4.70	ppb
Barium	137-1	1780.40	1969.99	1842.71	1864.37	5.18	ppb
Beryllium	9-1	3.90	3.82	3.60	3.77	4.12	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Boron	10-1	4.79	4.99	3.80	4.53	14.17	ppb
Boron	11-1	3.78	4.65	4.15	4.19	10.45	ppb
Cadmium	111-1	2.72	3.16	2.96	2.94	7.57	ppb
Cadmium	106-1	4.17	5.08	4.99	4.75	10.60	ppb
Cadmium	108-1	3.25	4.20	3.32	3.59	14.71	ppb
Calcium	43-1	24444.99	27477.59	25350.45	25757.68	6.04	ppb
Calcium	44-1	24445.45	27769.74	25397.23	25870.81	6.62	ppb
Chromium	52-2	68.36	68.78	66.20	67.78	2.04	ppb
Cobalt	59-2	34.52	34.83	34.00	34.45	1.22	ppb
Copper	63-2	178.61	181.58	176.63	178.94	1.39	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				102		%
Iron	56-2	91600.14	93159.15	89077.15	91278.81	2.26	ppb
Iron	57-2	93063.55	94200.29	89366.73	92210.19	2.74	ppb
Krypton	83-1						cps
Lead	206-1	161.20	177.25	164.84	167.76	5.02	ppb
Lead	207-1	146.59	163.02	150.12	153.24	5.64	ppb
Lead	208-1	154.43	170.58	157.32	160.78	5.36	ppb
Lithium	6-1				82		%
Magnesium	24-2	12299.12	12055.97	11890.13	12081.74	1.70	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:03:26	DataFile Name :	031SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2049.59	2069.09	1997.84	2038.84	1.81	ppb
Molybdenum	94-1	22.36	24.83	22.04	23.08	6.62	ppb
Molybdenum	95-1	3.83	4.41	4.01	4.08	7.27	ppb
Molybdenum	96-1	6.53	6.92	6.29	6.58	4.85	ppb
Molybdenum	97-1	3.86	4.17	4.07	4.03	4.01	ppb
Molybdenum	98-1	3.74	4.35	3.75	3.95	8.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	83.56	83.75	80.68	82.66	2.08	ppb
Phosphorus	31-2	4382.13	3821.89	4316.42	4173.48	7.34	ppb
Potassium	39-2	3047.20	3111.83	2995.66	3051.57	1.91	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	77-2	127.78	95.46	91.91	105.05	18.81	ppb
Selenium	78-2	30.62	31.24	27.40	29.75	6.93	ppb
Selenium	82-1	8.33	10.05	9.12	9.17	9.36	ppb
Silicon	28-1	560.33	683.54	565.12	603.00	11.57	ppb
Silver	109-1	0.49	0.54	0.52	0.51	4.13	ppb
Silver	107-1	0.52	0.51	0.49	0.51	2.58	ppb
Sodium	23-2	423.74	428.20	417.85	423.27	1.23	ppb
Strontium	86-1	204.54	225.35	205.33	211.74	5.57	ppb
Strontium	88-1	209.72	232.27	211.90	217.96	5.71	ppb
Sulfur	34-1	8374.21	12879.21	8660.02	9971.15	25.30	ppb
Terbium	159-1				110		%
Terbium	159-2				105		%
Thallium	203-1	0.41	0.47	0.47	0.45	7.21	ppb
Thallium	205-1	0.44	0.46	0.48	0.46	3.66	ppb
Tin	118-1	1.02	1.20	1.14	1.12	8.21	ppb
Titanium	47-1	88.34	98.90	89.86	92.37	6.18	ppb
Uranium	238-1	3.63	4.05	3.65	3.78	6.24	ppb
Vanadium	51-2	82.76	82.82	79.80	81.79	2.11	ppb
Yttrium	89-1				125		%
Yttrium	89-2				121		%
Zinc	66-2	243.10	249.74	246.88	246.57	1.35	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:03:26	DataFile Name :	031SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	12.88	14.73	13.09	13.57	7.48	ppb
Zirconium	91-1	12.68	14.30	13.00	13.33	6.46	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-07 Instrumnet Name : P8
 Client Sample ID : P001-SS025-0612-01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:06:47 DataFile Name : 032SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	71668.03	71908.83	74061.41	72546.09	1.82	ppb
Antimony	121-1	0.39	0.43	0.40	0.41	6.03	ppb
Arsenic	75-2	25.54	25.68	23.72	24.98	4.39	ppb
Barium	135-1	2291.05	2304.78	2269.46	2288.43	0.78	ppb
Barium	137-1	2240.05	2285.93	2254.38	2260.12	1.04	ppb
Beryllium	9-1	5.05	4.87	4.71	4.87	3.45	ppb
Bismuth	209-1				102		%
Bismuth	209-2				97		%
Boron	10-1	2.73	3.34	3.35	3.14	11.38	ppb
Boron	11-1	3.95	3.77	3.48	3.73	6.40	ppb
Cadmium	111-1	2.39	2.40	2.29	2.36	2.55	ppb
Cadmium	106-1	5.58	4.58	3.20	4.45	26.83	ppb
Cadmium	108-1	4.26	3.71	3.28	3.75	13.18	ppb
Calcium	43-1	47643.71	48021.24	48689.06	48118.00	1.10	ppb
Calcium	44-1	48010.52	48065.25	48436.97	48170.91	0.48	ppb
Chromium	52-2	76.83	77.14	80.71	78.23	2.76	ppb
Cobalt	59-2	40.13	40.98	42.02	41.04	2.30	ppb
Copper	63-2	187.67	186.97	194.13	189.59	2.08	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				101		%
Indium	115-1				105		%
Indium	115-2				99		%
Iron	56-2	96704.54	96030.21	98853.98	97196.24	1.52	ppb
Iron	57-2	98123.87	99156.25	102855.48	100045.20	2.49	ppb
Krypton	83-1						cps
Lead	206-1	271.48	271.66	273.33	272.16	0.38	ppb
Lead	207-1	251.44	250.66	252.79	251.63	0.43	ppb
Lead	208-1	263.55	261.02	263.76	262.78	0.58	ppb
Lithium	6-1				82		%
Magnesium	24-2	16290.71	16353.96	17093.98	16579.55	2.69	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:06:47	DataFile Name :	032SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	3360.25	3399.91	3508.48	3422.88	2.24	ppb
Molybdenum	94-1	23.51	22.51	23.24	23.09	2.26	ppb
Molybdenum	95-1	3.50	3.56	3.59	3.55	1.24	ppb
Molybdenum	96-1	5.88	6.13	6.43	6.15	4.44	ppb
Molybdenum	97-1	3.74	3.59	3.77	3.70	2.58	ppb
Molybdenum	98-1	3.50	3.58	3.65	3.58	2.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	84.79	86.72	90.32	87.28	3.22	ppb
Phosphorus	31-2	4021.17	3978.67	3853.33	3951.06	2.21	ppb
Potassium	39-2	2396.51	2425.98	2591.82	2471.44	4.26	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				110		%
Scandium	45-2				102		%
Selenium	77-2	131.11	143.40	170.79	148.43	13.69	ppb
Selenium	78-2	36.69	31.01	28.05	31.92	13.77	ppb
Selenium	82-1	8.98	9.57	9.67	9.41	3.98	ppb
Silicon	28-1	979.66	1007.83	994.10	993.86	1.42	ppb
Silver	109-1	0.57	0.52	0.56	0.55	5.54	ppb
Silver	107-1	0.58	0.63	0.61	0.61	4.22	ppb
Sodium	23-2	738.71	736.34	782.58	752.54	3.46	ppb
Strontium	86-1	363.97	368.46	366.58	366.33	0.62	ppb
Strontium	88-1	371.24	372.09	372.22	371.85	0.14	ppb
Sulfur	34-1	9131.75	9675.68	9856.97	9554.80	3.95	ppb
Terbium	159-1				108		%
Terbium	159-2				102		%
Thallium	203-1	0.58	0.58	0.59	0.58	1.04	ppb
Thallium	205-1	0.56	0.63	0.62	0.60	6.39	ppb
Tin	118-1	1.47	1.42	1.36	1.42	4.13	ppb
Titanium	47-1	80.63	80.92	81.11	80.89	0.30	ppb
Uranium	238-1	4.34	4.34	4.45	4.37	1.46	ppb
Vanadium	51-2	95.51	96.59	100.21	97.44	2.53	ppb
Yttrium	89-1				129		%
Yttrium	89-2				122		%
Zinc	66-2	237.04	238.14	247.35	240.85	2.35	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:06:47	DataFile Name :	032SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	13.90	13.74	14.09	13.91	1.25	ppb
Zirconium	91-1	13.78	13.82	13.97	13.86	0.70	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P8
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:22:53	DataFile Name :	036CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50884.17	50670.79	51195.85	50916.94	0.52	ppb
Antimony	121-1	515.48	514.87	517.22	515.86	0.24	ppb
Arsenic	75-2	508.43	511.44	502.79	507.55	0.87	ppb
Barium	135-1	2604.57	2588.28	2649.15	2614.00	1.21	ppb
Barium	137-1	2567.23	2553.60	2632.00	2584.28	1.62	ppb
Beryllium	9-1	529.53	529.43	536.73	531.90	0.79	ppb
Bismuth	209-1				104		%
Bismuth	209-2				103		%
Boron	10-1	523.55	536.35	552.67	537.52	2.72	ppb
Boron	11-1	531.99	543.38	552.35	542.57	1.88	ppb
Cadmium	111-1	527.22	526.20	534.52	529.31	0.86	ppb
Cadmium	106-1	519.18	520.77	530.26	523.41	1.14	ppb
Cadmium	108-1	524.63	522.59	523.99	523.74	0.20	ppb
Calcium	43-1	237768.74	243145.95	242544.21	241152.97	1.22	ppb
Calcium	44-1	242523.91	245652.89	243763.98	243980.26	0.65	ppb
Chromium	52-2	515.74	515.54	515.41	515.56	0.03	ppb
Cobalt	59-2	510.60	507.83	508.21	508.88	0.30	ppb
Copper	63-2	1006.94	992.88	987.17	995.66	1.02	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				111		%
Indium	115-1				108		%
Indium	115-2				105		%
Iron	56-2	125154.99	125335.04	124420.77	124970.26	0.39	ppb
Iron	57-2	127801.21	127652.56	128320.62	127924.80	0.27	ppb
Krypton	83-1						cps
Lead	206-1	513.31	517.37	515.36	515.35	0.39	ppb
Lead	207-1	512.63	514.97	515.94	514.51	0.33	ppb
Lead	208-1	519.84	519.49	524.76	521.37	0.57	ppb
Lithium	6-1				100		%
Magnesium	24-2	252808.04	249525.64	251355.19	251229.62	0.65	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P8
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:22:53	DataFile Name :	036CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1024.94	1010.43	1004.71	1013.36	1.03	ppb
Molybdenum	94-1	2548.92	2544.22	2573.06	2555.40	0.61	ppb
Molybdenum	95-1	2547.60	2565.13	2573.86	2562.19	0.52	ppb
Molybdenum	96-1	2579.60	2546.61	2584.60	2570.27	0.80	ppb
Molybdenum	97-1	2585.69	2538.50	2590.44	2571.54	1.12	ppb
Molybdenum	98-1	2531.38	2537.03	2592.57	2553.66	1.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	510.95	506.13	503.72	506.93	0.73	ppb
Phosphorus	31-2	9725.80	10191.46	9244.14	9720.47	4.87	ppb
Potassium	39-2	126290.89	125308.65	126255.72	125951.76	0.44	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	77-2	516.66	511.88	408.09	478.87	12.81	ppb
Selenium	78-2	489.70	522.83	521.78	511.44	3.68	ppb
Selenium	82-1	496.95	496.50	505.27	499.57	0.99	ppb
Silicon	28-1	523.69	543.68	552.88	540.08	2.76	ppb
Silver	109-1	503.90	508.34	514.41	508.88	1.04	ppb
Silver	107-1	510.53	503.24	507.37	507.05	0.72	ppb
Sodium	23-2	247939.63	246064.53	250476.06	248160.07	0.89	ppb
Strontium	86-1	507.63	507.11	509.53	508.09	0.25	ppb
Strontium	88-1	518.94	510.17	519.38	516.16	1.01	ppb
Sulfur	34-1	11180.52	11537.90	11570.98	11429.80	1.89	ppb
Terbium	159-1				112		%
Terbium	159-2				111		%
Thallium	203-1	519.85	527.50	519.20	522.19	0.88	ppb
Thallium	205-1	533.03	525.40	536.50	531.64	1.07	ppb
Tin	118-1	517.29	516.60	526.81	520.24	1.10	ppb
Titanium	47-1	2640.47	2603.26	2606.18	2616.63	0.79	ppb
Uranium	238-1	525.14	527.39	524.66	525.73	0.28	ppb
Vanadium	51-2	517.06	509.40	510.98	512.48	0.79	ppb
Yttrium	89-1				112		%
Yttrium	89-2				110		%
Zinc	66-2	1001.69	1006.79	987.22	998.57	1.02	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P8
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:22:53	DataFile Name :	036CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	520.42	525.26	523.25	522.98	0.47	ppb
Zirconium	91-1	510.11	509.50	510.73	510.11	0.12	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P8
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:27:45	DataFile Name :	037CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.66	-0.99	-0.17	-0.17		ppb
Antimony	121-1	0.18	0.25	0.25	0.23	17.55	ppb
Arsenic	75-2	0.03	0.05	0.03	0.04	25.04	ppb
Barium	135-1	0.04	0.05	-0.01	0.03	120.16	ppb
Barium	137-1	0.08	0.03	0.08	0.07	50.48	ppb
Beryllium	9-1	0.10	0.06	0.05	0.07	41.07	ppb
Bismuth	209-1				111		%
Bismuth	209-2				108		%
Boron	10-1	7.63	5.26	4.87	5.92	25.24	ppb
Boron	11-1	6.98	6.75	6.27	6.67	5.46	ppb
Cadmium	111-1	-0.15	0.07	-0.11	-0.06		ppb
Cadmium	106-1	-2.34	0.69	-1.32	-0.99		ppb
Cadmium	108-1	0.07	0.07	0.23	0.12	75.97	ppb
Calcium	43-1	3.60	-2.51	-1.18	-0.03		ppb
Calcium	44-1	16.09	1.72	3.47	7.09	110.59	ppb
Chromium	52-2	-0.14	-0.13	-0.27	-0.18		ppb
Cobalt	59-2	-0.02	-0.02	-0.02	-0.02		ppb
Copper	63-2	0.03	0.02	0.02	0.02	20.98	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				113		%
Holmium	165-2				110		%
Indium	115-1				112		%
Indium	115-2				108		%
Iron	56-2	2.55	3.08	2.51	2.72	11.66	ppb
Iron	57-2	1.12	3.21	1.15	1.83	65.51	ppb
Krypton	83-1						cps
Lead	206-1	0.10	0.11	0.07	0.10	22.28	ppb
Lead	207-1	0.14	0.13	0.11	0.13	11.86	ppb
Lead	208-1	0.14	0.12	0.10	0.12	15.11	ppb
Lithium	6-1				99		%
Magnesium	24-2	5.08	5.02	10.31	6.80	44.64	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB01 Instrumnet Name : P8
 Client Sample ID : CCB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:27:45 DataFile Name : 037CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.05	0.00	-0.06	0.00		ppb
Molybdenum	94-1	0.25	0.15	0.18	0.19	27.07	ppb
Molybdenum	95-1	0.21	0.16	0.18	0.18	14.13	ppb
Molybdenum	96-1	0.21	0.13	0.19	0.18	23.04	ppb
Molybdenum	97-1	0.17	0.10	0.25	0.17	43.29	ppb
Molybdenum	98-1	0.29	0.20	0.13	0.21	37.92	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.04	0.01	-0.02		ppb
Phosphorus	31-2	-58.37	-58.37	-32.28	-49.67		ppb
Potassium	39-2	5.06	23.35	4.34	10.92	98.67	ppb
Rhodium	103-1				111		%
Rhodium	103-2				110		%
Scandium	45-1				113		%
Scandium	45-2				106		%
Selenium	77-2	-2.58	-2.58	4.63	-0.18		ppb
Selenium	78-2	0.74	-0.44	0.15	0.15	386.14	ppb
Selenium	82-1	0.79	0.23	1.45	0.83	73.77	ppb
Silicon	28-1	-8.26	-10.91	-12.62	-10.60		ppb
Silver	109-1	0.05	0.04	0.04	0.04	11.70	ppb
Silver	107-1	0.05	0.03	0.04	0.04	27.55	ppb
Sodium	23-2	118.84	115.64	115.68	116.72	1.57	ppb
Strontium	86-1	0.10	0.02	0.07	0.06	62.02	ppb
Strontium	88-1	0.04	0.01	0.01	0.02	86.50	ppb
Sulfur	34-1	-3370.07	-3947.51	-3969.15	-3762.24		ppb
Terbium	159-1				113		%
Terbium	159-2				111		%
Thallium	203-1	0.07	0.07	0.05	0.06	13.67	ppb
Thallium	205-1	0.05	0.05	0.06	0.05	5.12	ppb
Tin	118-1	0.06	0.23	0.09	0.13	72.44	ppb
Titanium	47-1	0.08	0.02	-0.03	0.02	244.60	ppb
Uranium	238-1	0.01	0.00	0.00	0.00	136.27	ppb
Vanadium	51-2	0.05	-0.01	0.01	0.02	150.31	ppb
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	0.32	0.17	0.29	0.26	30.95	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P8
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:27:45	DataFile Name :	037CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.05	0.03	0.04	0.04	27.66	ppb
Zirconium	91-1	0.03	0.00	0.00	0.01	132.87	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:33:20	DataFile Name :	038SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	97230.18	95526.54	99610.97	97455.90	2.11	ppb
Antimony	121-1	0.33	0.33	0.33	0.33	1.58	ppb
Arsenic	75-2	45.95	43.35	45.07	44.79	2.95	ppb
Barium	135-1	2210.91	2134.71	2073.16	2139.59	3.22	ppb
Barium	137-1	2163.12	2127.46	2040.97	2110.52	2.98	ppb
Beryllium	9-1	5.40	5.59	5.48	5.49	1.69	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Boron	10-1	4.83	6.69	6.60	6.04	17.38	ppb
Boron	11-1	6.43	5.26	5.75	5.81	10.11	ppb
Cadmium	111-1	2.35	2.16	1.93	2.15	9.83	ppb
Cadmium	106-1	7.10	7.86	5.57	6.84	17.05	ppb
Cadmium	108-1	3.21	3.98	3.39	3.53	11.36	ppb
Calcium	43-1	32185.25	30695.24	30523.32	31134.60	2.94	ppb
Calcium	44-1	32033.36	30926.29	30508.13	31155.92	2.53	ppb
Chromium	52-2	103.27	100.65	106.09	103.34	2.63	ppb
Cobalt	59-2	73.22	71.60	74.56	73.13	2.03	ppb
Copper	63-2	195.94	193.20	200.79	196.64	1.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				113		%
Indium	115-1				107		%
Indium	115-2				109		%
Iron	56-2	178583.78	175468.45	181140.96	178397.73	1.59	ppb
Iron	57-2	181156.56	177722.01	182507.64	180462.07	1.37	ppb
Krypton	83-1						cps
Lead	206-1	346.32	327.80	325.02	333.05	3.48	ppb
Lead	207-1	317.91	304.21	297.36	306.49	3.41	ppb
Lead	208-1	336.10	318.79	316.62	323.84	3.30	ppb
Lithium	6-1				94		%
Magnesium	24-2	31683.23	31115.89	32278.24	31692.45	1.83	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:33:20	DataFile Name :	038SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7985.18	7770.32	8193.37	7982.96	2.65	ppb
Molybdenum	94-1	35.29	34.55	33.35	34.40	2.84	ppb
Molybdenum	95-1	4.13	3.92	3.96	4.00	2.75	ppb
Molybdenum	96-1	7.87	7.91	7.61	7.80	2.11	ppb
Molybdenum	97-1	4.28	3.89	3.92	4.03	5.41	ppb
Molybdenum	98-1	4.18	4.12	3.96	4.08	2.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	132.80	129.94	136.25	133.00	2.38	ppb
Phosphorus	31-2	3697.36	3665.77	3572.36	3645.16	1.78	ppb
Potassium	39-2	3360.15	3317.83	3481.58	3386.52	2.51	ppb
Rhodium	103-1				106		%
Rhodium	103-2				111		%
Scandium	45-1				119		%
Scandium	45-2				119		%
Selenium	77-2	151.97	157.87	175.03	161.62	7.41	ppb
Selenium	78-2	29.66	31.94	28.26	29.95	6.19	ppb
Selenium	82-1	7.48	7.08	7.47	7.34	3.13	ppb
Silicon	28-1	1552.72	1569.91	1456.60	1526.41	4.00	ppb
Silver	109-1	0.63	0.55	0.50	0.56	11.73	ppb
Silver	107-1	0.54	0.57	0.55	0.55	2.04	ppb
Sodium	23-2	790.06	787.47	819.17	798.90	2.20	ppb
Strontium	86-1	243.80	240.87	230.01	238.23	3.05	ppb
Strontium	88-1	253.16	245.29	241.53	246.66	2.41	ppb
Sulfur	34-1	2190.33	785.11	-73.54	967.30	118.15	ppb
Terbium	159-1				109		%
Terbium	159-2				114		%
Thallium	203-1	0.80	0.79	0.75	0.78	3.85	ppb
Thallium	205-1	0.77	0.75	0.76	0.76	1.45	ppb
Tin	118-1	0.94	0.98	1.02	0.98	3.90	ppb
Titanium	47-1	65.99	64.04	65.94	65.32	1.70	ppb
Uranium	238-1	4.09	3.83	3.81	3.91	4.00	ppb
Vanadium	51-2	137.23	134.97	142.08	138.09	2.63	ppb
Yttrium	89-1				136		%
Yttrium	89-2				138		%
Zinc	66-2	404.94	399.75	411.89	405.53	1.50	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:33:20	DataFile Name :	038SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	21.23	21.07	20.77	21.02	1.12	ppb
Zirconium	91-1	21.69	20.49	20.65	20.94	3.12	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUP	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:36:39	DataFile Name :	039SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	102748.02	103884.40	106853.59	104495.34	2.03	ppb
Antimony	121-1	0.31	0.32	0.35	0.33	6.63	ppb
Arsenic	75-2	47.11	46.88	46.80	46.93	0.34	ppb
Barium	135-1	2115.35	2150.04	2113.03	2126.14	0.97	ppb
Barium	137-1	2085.86	2123.70	2118.57	2109.38	0.97	ppb
Beryllium	9-1	5.70	5.86	5.68	5.75	1.63	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Boron	10-1	5.55	7.58	8.26	7.13	19.80	ppb
Boron	11-1	7.14	6.21	6.99	6.78	7.32	ppb
Cadmium	111-1	1.85	2.10	2.16	2.04	8.11	ppb
Cadmium	106-1	6.54	6.80	6.36	6.57	3.35	ppb
Cadmium	108-1	3.89	3.43	3.42	3.58	7.50	ppb
Calcium	43-1	31016.05	31278.20	31140.87	31145.04	0.42	ppb
Calcium	44-1	30827.50	30987.65	31158.20	30991.12	0.53	ppb
Chromium	52-2	109.00	111.14	114.12	111.42	2.31	ppb
Cobalt	59-2	78.32	78.78	80.35	79.15	1.35	ppb
Copper	63-2	208.68	210.75	217.53	212.32	2.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				108		%
Indium	115-1				109		%
Indium	115-2				104		%
Iron	56-2	188357.84	188809.50	193695.66	190287.67	1.56	ppb
Iron	57-2	191717.57	190604.44	197700.78	193340.93	1.97	ppb
Krypton	83-1						cps
Lead	206-1	328.86	327.99	332.22	329.69	0.68	ppb
Lead	207-1	303.32	303.04	303.98	303.45	0.16	ppb
Lead	208-1	322.15	318.81	321.70	320.89	0.56	ppb
Lithium	6-1				90		%
Magnesium	24-2	33232.36	33836.14	34658.48	33908.99	2.11	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUP	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:36:39	DataFile Name :	039SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	8308.41	8478.39	8779.48	8522.09	2.80	ppb
Molybdenum	94-1	34.93	36.27	34.75	35.32	2.35	ppb
Molybdenum	95-1	4.38	4.34	4.27	4.33	1.22	ppb
Molybdenum	96-1	8.02	8.41	8.10	8.18	2.51	ppb
Molybdenum	97-1	4.05	4.14	4.18	4.12	1.67	ppb
Molybdenum	98-1	4.08	4.15	4.28	4.17	2.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	140.69	142.08	147.22	143.33	2.40	ppb
Phosphorus	31-2	4165.75	4261.96	3964.89	4130.87	3.67	ppb
Potassium	39-2	3608.13	3687.42	3700.31	3665.28	1.36	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				119		%
Scandium	45-2				111		%
Selenium	77-2	189.29	164.41	141.58	165.09	14.45	ppb
Selenium	78-2	30.12	39.25	31.46	33.61	14.66	ppb
Selenium	82-1	7.80	7.35	6.34	7.16	10.48	ppb
Silicon	28-1	2545.52	2594.76	2545.24	2561.84	1.11	ppb
Silver	109-1	0.52	0.53	0.49	0.51	4.24	ppb
Silver	107-1	0.50	0.51	0.55	0.52	4.75	ppb
Sodium	23-2	761.81	770.68	777.73	770.07	1.04	ppb
Strontium	86-1	233.73	238.11	235.05	235.63	0.95	ppb
Strontium	88-1	242.30	241.65	241.88	241.94	0.14	ppb
Sulfur	34-1	-1831.94	-1620.95	-1813.30	-1755.40		ppb
Terbium	159-1				111		%
Terbium	159-2				109		%
Thallium	203-1	0.85	0.76	0.77	0.79	5.98	ppb
Thallium	205-1	0.71	0.77	0.73	0.74	4.21	ppb
Tin	118-1	0.90	0.87	0.92	0.90	2.57	ppb
Titanium	47-1	77.00	79.24	79.48	78.57	1.73	ppb
Uranium	238-1	3.94	3.98	3.75	3.89	3.17	ppb
Vanadium	51-2	146.94	148.11	152.25	149.10	1.87	ppb
Yttrium	89-1				139		%
Yttrium	89-2				134		%
Zinc	66-2	437.07	437.29	446.44	440.27	1.21	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUP	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:36:39	DataFile Name :	039SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	21.42	21.88	21.42	21.57	1.22	ppb
Zirconium	91-1	20.92	21.71	20.62	21.08	2.67	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01L	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 18:40:00	DataFile Name :	040SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20147.89	20630.46	20138.73	20305.69	1.39	ppb
Antimony	121-1	0.06	0.10	0.07	0.08	20.46	ppb
Arsenic	75-2	10.31	10.40	9.95	10.22	2.34	ppb
Barium	135-1	386.74	394.90	397.01	392.88	1.38	ppb
Barium	137-1	388.44	399.72	397.87	395.34	1.53	ppb
Beryllium	9-1	1.02	1.04	1.14	1.07	5.92	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Boron	10-1	2.79	0.91	1.22	1.64	61.32	ppb
Boron	11-1	1.94	2.69	2.12	2.25	17.32	ppb
Cadmium	111-1	0.26	0.25	0.17	0.23	21.67	ppb
Cadmium	106-1	-0.28	-0.33	-1.86	-0.83		ppb
Cadmium	108-1	0.60	1.01	1.13	0.91	30.85	ppb
Calcium	43-1	6043.11	6111.73	6089.26	6081.37	0.58	ppb
Calcium	44-1	6168.73	6233.51	6237.04	6213.09	0.62	ppb
Chromium	52-2	21.41	21.60	21.13	21.38	1.11	ppb
Cobalt	59-2	15.53	15.84	15.33	15.57	1.65	ppb
Copper	63-2	42.18	42.62	41.43	42.07	1.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	37296.00	37770.10	37241.72	37435.94	0.78	ppb
Iron	57-2	36279.19	37319.26	36741.06	36779.84	1.42	ppb
Krypton	83-1						cps
Lead	206-1	60.28	61.82	60.58	60.89	1.34	ppb
Lead	207-1	56.77	56.78	56.89	56.82	0.12	ppb
Lead	208-1	58.53	59.50	59.51	59.18	0.95	ppb
Lithium	6-1				86		%
Magnesium	24-2	6466.06	6654.20	6410.69	6510.32	1.96	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01L	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 18:40:00	DataFile Name :	040SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1646.45	1666.39	1662.04	1658.29	0.63	ppb
Molybdenum	94-1	7.51	7.37	7.56	7.48	1.27	ppb
Molybdenum	95-1	0.86	0.85	0.88	0.86	1.86	ppb
Molybdenum	96-1	1.78	1.66	1.76	1.73	3.72	ppb
Molybdenum	97-1	0.91	0.87	0.84	0.87	4.18	ppb
Molybdenum	98-1	0.94	0.90	0.91	0.92	2.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.67	28.95	28.33	28.32	2.26	ppb
Phosphorus	31-2	768.32	681.20	938.58	796.03	16.44	ppb
Potassium	39-2	686.78	698.63	743.21	709.54	4.19	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				110		%
Scandium	45-2				104		%
Selenium	77-2	33.42	33.35	26.22	31.00	13.36	ppb
Selenium	78-2	5.48	9.60	13.75	9.61	43.05	ppb
Selenium	82-1	1.05	1.45	1.17	1.22	16.57	ppb
Silicon	28-1	279.78	298.28	288.84	288.97	3.20	ppb
Silver	109-1	0.10	0.09	0.12	0.10	14.77	ppb
Silver	107-1	0.12	0.12	0.10	0.11	10.99	ppb
Sodium	23-2	200.14	220.58	225.41	215.38	6.23	ppb
Strontium	86-1	53.23	53.21	52.64	53.03	0.63	ppb
Strontium	88-1	54.20	54.01	54.16	54.12	0.19	ppb
Sulfur	34-1	-10132.21	-9796.02	-9644.36	-9857.53		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.13	0.14	0.14	0.14	5.87	ppb
Thallium	205-1	0.14	0.16	0.14	0.15	6.26	ppb
Tin	118-1	0.19	0.16	0.21	0.19	13.10	ppb
Titanium	47-1	12.76	12.46	12.12	12.45	2.59	ppb
Uranium	238-1	0.68	0.68	0.72	0.69	3.08	ppb
Vanadium	51-2	27.80	29.60	28.38	28.60	3.22	ppb
Yttrium	89-1				113		%
Yttrium	89-2				110		%
Zinc	66-2	85.14	86.27	84.67	85.36	0.97	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01L	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 18:40:00	DataFile Name :	040SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	4.54	4.53	4.64	4.57	1.29	ppb
Zirconium	91-1	4.49	4.55	4.41	4.48	1.57	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-09 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:43:24 DataFile Name : 041SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	104903.94	103778.83	105176.45	104619.74	0.71	ppb
Antimony	121-1	484.09	555.63	499.92	513.22	7.32	ppb
Arsenic	75-2	454.13	457.53	453.87	455.17	0.45	ppb
Barium	135-1	4099.69	4688.57	4263.69	4350.65	6.99	ppb
Barium	137-1	4096.21	4678.41	4273.72	4349.44	6.86	ppb
Beryllium	9-1	528.63	584.27	530.35	547.75	5.78	ppb
Bismuth	209-1				106		%
Bismuth	209-2				105		%
Boron	10-1	458.51	526.71	474.78	486.67	7.32	ppb
Boron	11-1	473.46	536.46	482.33	497.42	6.86	ppb
Cadmium	111-1	487.57	560.48	496.17	514.74	7.74	ppb
Cadmium	106-1	494.84	553.01	500.61	516.15	6.21	ppb
Cadmium	108-1	486.00	559.37	493.34	512.90	7.88	ppb
Calcium	43-1	68824.41	78792.88	73199.15	73605.48	6.79	ppb
Calcium	44-1	68298.03	78348.71	70684.32	72443.69	7.25	ppb
Chromium	52-2	568.10	578.74	591.82	579.55	2.05	ppb
Cobalt	59-2	559.70	564.39	569.43	564.51	0.86	ppb
Copper	63-2	1100.98	1116.04	1114.61	1110.54	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				113		%
Holmium	165-2				112		%
Indium	115-1				109		%
Indium	115-2				107		%
Iron	56-2	193409.00	196786.45	197967.94	196054.46	1.21	ppb
Iron	57-2	197214.92	197451.25	200405.01	198357.06	0.90	ppb
Krypton	83-1						cps
Lead	206-1	795.76	920.10	839.10	851.65	7.41	ppb
Lead	207-1	764.84	890.25	798.18	817.76	7.94	ppb
Lead	208-1	780.36	910.13	814.99	835.16	8.05	ppb
Lithium	6-1				90		%
Magnesium	24-2	74093.38	73686.92	75759.12	74513.14	1.47	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:43:24	DataFile Name :	041SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	8482.58	8569.41	8776.02	8609.34	1.75	ppb
Molybdenum	94-1	1951.88	2177.38	1986.00	2038.42	5.96	ppb
Molybdenum	95-1	1876.05	2048.04	1875.67	1933.25	5.14	ppb
Molybdenum	96-1	1889.73	2050.25	1907.09	1949.02	4.52	ppb
Molybdenum	97-1	1890.24	2083.59	1913.98	1962.60	5.37	ppb
Molybdenum	98-1	1883.68	2090.44	1895.44	1956.52	5.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	623.68	626.65	630.63	626.99	0.56	ppb
Phosphorus	31-2	3458.13	3527.49	3666.70	3550.77	2.99	ppb
Potassium	39-2	24695.85	24622.09	24950.49	24756.15	0.70	ppb
Rhodium	103-1				108		%
Rhodium	103-2				109		%
Scandium	45-1				119		%
Scandium	45-2				116		%
Selenium	77-2	549.37	569.03	549.39	555.93	2.04	ppb
Selenium	78-2	433.76	431.99	414.85	426.86	2.45	ppb
Selenium	82-1	412.67	457.81	420.58	430.35	5.60	ppb
Silicon	28-1	5044.89	5577.24	5037.95	5220.02	5.93	ppb
Silver	109-1	413.50	470.90	428.56	437.65	6.80	ppb
Silver	107-1	411.57	471.74	430.55	437.96	7.02	ppb
Sodium	23-2	43519.02	42928.62	43746.80	43398.15	0.97	ppb
Strontium	86-1	628.22	695.88	634.37	652.82	5.73	ppb
Strontium	88-1	631.21	700.33	648.47	660.01	5.45	ppb
Sulfur	34-1	-2766.96	1163.44	-1498.68	-1034.06		ppb
Terbium	159-1				114		%
Terbium	159-2				114		%
Thallium	203-1	507.44	588.39	520.65	538.83	8.06	ppb
Thallium	205-1	509.40	585.91	527.20	540.84	7.40	ppb
Tin	118-1	432.93	502.12	444.77	459.94	8.05	ppb
Titanium	47-1	2211.49	2499.00	2310.67	2340.38	6.24	ppb
Uranium	238-1	494.83	582.94	519.40	532.39	8.54	ppb
Vanadium	51-2	612.34	620.17	616.51	616.34	0.64	ppb
Yttrium	89-1				138		%
Yttrium	89-2				137		%
Zinc	66-2	1278.44	1266.83	1290.62	1278.63	0.93	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:43:24	DataFile Name :	041SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	436.44	483.11	447.92	455.82	5.34	ppb
Zirconium	91-1	433.97	477.99	435.10	449.02	5.59	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-10	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:46:37	DataFile Name :	042SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	103791.05	103781.44	104578.68	104050.39	0.44	ppb
Antimony	121-1	507.87	517.23	516.84	513.98	1.03	ppb
Arsenic	75-2	455.58	460.04	458.07	457.90	0.49	ppb
Barium	135-1	4324.30	4403.19	4412.85	4380.12	1.11	ppb
Barium	137-1	4285.54	4346.90	4371.48	4334.64	1.02	ppb
Beryllium	9-1	546.97	556.02	554.86	552.62	0.89	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Boron	10-1	476.74	498.37	502.15	492.42	2.78	ppb
Boron	11-1	491.11	513.58	507.75	504.14	2.31	ppb
Cadmium	111-1	506.96	514.81	519.57	513.78	1.24	ppb
Cadmium	106-1	513.39	520.41	519.44	517.75	0.73	ppb
Cadmium	108-1	507.81	512.14	514.45	511.47	0.66	ppb
Calcium	43-1	73772.14	74738.18	74818.47	74442.93	0.78	ppb
Calcium	44-1	72709.32	73075.14	72690.64	72825.03	0.30	ppb
Chromium	52-2	577.72	574.80	581.17	577.90	0.55	ppb
Cobalt	59-2	562.12	562.78	569.83	564.91	0.76	ppb
Copper	63-2	1116.60	1114.49	1122.71	1117.93	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				113		%
Indium	115-1				109		%
Indium	115-2				106		%
Iron	56-2	193554.10	192507.04	193876.56	193312.57	0.37	ppb
Iron	57-2	194749.97	193389.65	195335.76	194491.80	0.51	ppb
Krypton	83-1						cps
Lead	206-1	879.22	846.06	849.77	858.35	2.12	ppb
Lead	207-1	834.95	822.40	804.90	820.75	1.84	ppb
Lead	208-1	851.78	833.66	828.41	837.95	1.46	ppb
Lithium	6-1				89		%
Magnesium	24-2	72146.07	72934.09	73824.78	72968.31	1.15	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-10 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:46:37 DataFile Name : 042SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	8422.36	8322.79	8435.12	8393.42	0.73	ppb
Molybdenum	94-1	2019.92	2010.94	2014.59	2015.15	0.22	ppb
Molybdenum	95-1	1936.62	1937.82	1943.67	1939.37	0.19	ppb
Molybdenum	96-1	1949.23	1952.00	1936.07	1945.77	0.44	ppb
Molybdenum	97-1	1955.41	1961.86	1942.87	1953.38	0.49	ppb
Molybdenum	98-1	1945.96	1939.34	1943.04	1942.78	0.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	627.71	625.38	636.53	629.87	0.93	ppb
Phosphorus	31-2	3390.98	3286.15	3729.99	3469.04	6.69	ppb
Potassium	39-2	24672.72	24804.73	24972.18	24816.54	0.60	ppb
Rhodium	103-1				106		%
Rhodium	103-2				109		%
Scandium	45-1				118		%
Scandium	45-2				115		%
Selenium	77-2	587.22	622.87	624.01	611.36	3.42	ppb
Selenium	78-2	451.65	448.75	466.94	455.78	2.14	ppb
Selenium	82-1	432.22	429.49	425.89	429.20	0.74	ppb
Silicon	28-1	5765.44	5499.58	5263.48	5509.50	4.56	ppb
Silver	109-1	430.10	435.75	442.45	436.10	1.42	ppb
Silver	107-1	429.14	440.25	438.34	435.91	1.36	ppb
Sodium	23-2	43513.24	43443.27	44162.42	43706.31	0.91	ppb
Strontium	86-1	650.95	649.56	648.84	649.78	0.17	ppb
Strontium	88-1	661.59	657.96	665.73	661.76	0.59	ppb
Sulfur	34-1	-1435.11	-1051.03	-1101.11	-1195.75		ppb
Terbium	159-1				114		%
Terbium	159-2				113		%
Thallium	203-1	537.10	535.54	528.75	533.79	0.83	ppb
Thallium	205-1	547.45	538.64	536.41	540.83	1.08	ppb
Tin	118-1	453.56	462.01	466.82	460.79	1.46	ppb
Titanium	47-1	2360.45	2361.10	2326.22	2349.25	0.85	ppb
Uranium	238-1	528.92	524.84	522.41	525.39	0.63	ppb
Vanadium	51-2	620.85	615.33	624.96	620.38	0.78	ppb
Yttrium	89-1				137		%
Yttrium	89-2				135		%
Zinc	66-2	1280.56	1278.09	1282.68	1280.44	0.18	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-10	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:46:37	DataFile Name :	042SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	454.01	453.54	451.33	452.96	0.32	ppb
Zirconium	91-1	448.73	444.45	442.66	445.28	0.70	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08A	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:49:51	DataFile Name :	043SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	107938.32	104350.34	102423.45	104904.04	2.67	ppb
Antimony	121-1	499.97	519.87	504.94	508.26	2.04	ppb
Arsenic	75-2	473.51	460.99	454.99	463.16	2.04	ppb
Barium	135-1	4241.52	4381.40	4347.77	4323.56	1.69	ppb
Barium	137-1	4197.00	4408.04	4262.55	4289.20	2.52	ppb
Beryllium	9-1	545.02	548.81	542.06	545.30	0.62	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Boron	10-1	494.72	502.77	484.24	493.91	1.88	ppb
Boron	11-1	485.71	505.95	498.83	496.83	2.07	ppb
Cadmium	111-1	502.22	515.99	510.05	509.42	1.36	ppb
Cadmium	106-1	506.11	522.42	519.26	515.93	1.68	ppb
Cadmium	108-1	493.83	514.22	508.15	505.40	2.07	ppb
Calcium	43-1	72071.28	73722.05	72783.53	72858.95	1.14	ppb
Calcium	44-1	71215.96	71498.52	71348.41	71354.30	0.20	ppb
Chromium	52-2	608.55	575.13	578.66	587.44	3.13	ppb
Cobalt	59-2	594.93	569.45	568.62	577.66	2.59	ppb
Copper	63-2	1169.58	1109.13	1116.96	1131.89	2.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				112		%
Indium	115-1				109		%
Indium	115-2				105		%
Iron	56-2	202695.44	193308.02	189543.83	195182.43	3.47	ppb
Iron	57-2	203227.49	193385.64	192462.13	196358.42	3.04	ppb
Krypton	83-1						cps
Lead	206-1	839.92	846.75	832.77	839.81	0.83	ppb
Lead	207-1	797.25	810.72	794.43	800.80	1.09	ppb
Lead	208-1	805.79	828.18	816.54	816.84	1.37	ppb
Lithium	6-1				91		%
Magnesium	24-2	76778.07	74663.38	73348.34	74929.93	2.31	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08A	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:49:51	DataFile Name :	043SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	8861.01	8314.91	8224.58	8466.83	4.07	ppb
Molybdenum	94-1	1999.84	2046.58	2023.50	2023.30	1.16	ppb
Molybdenum	95-1	1897.44	1924.73	1915.73	1912.63	0.73	ppb
Molybdenum	96-1	1917.53	1953.51	1916.98	1929.34	1.09	ppb
Molybdenum	97-1	1924.56	1974.22	1959.13	1952.64	1.30	ppb
Molybdenum	98-1	1910.49	1926.40	1933.58	1923.49	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	654.50	626.05	627.04	635.87	2.54	ppb
Phosphorus	31-2	3898.84	3324.59	3565.77	3596.40	8.02	ppb
Potassium	39-2	25816.74	24848.23	24714.32	25126.43	2.39	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				120		%
Scandium	45-2				112		%
Selenium	77-2	547.85	512.00	516.50	525.45	3.72	ppb
Selenium	78-2	487.06	462.68	439.43	463.06	5.14	ppb
Selenium	82-1	426.17	429.81	423.05	426.34	0.79	ppb
Silicon	28-1	5058.85	6422.63	5088.52	5523.33	14.10	ppb
Silver	109-1	431.10	437.10	432.28	433.49	0.73	ppb
Silver	107-1	418.97	438.16	436.56	431.23	2.47	ppb
Sodium	23-2	46177.25	44282.68	43443.90	44634.61	3.14	ppb
Strontium	86-1	639.49	652.32	651.78	647.86	1.12	ppb
Strontium	88-1	645.37	663.10	664.29	657.59	1.61	ppb
Sulfur	34-1	-1727.01	-1300.95	-2046.41	-1691.46		ppb
Terbium	159-1				115		%
Terbium	159-2				111		%
Thallium	203-1	527.22	535.25	522.51	528.33	1.22	ppb
Thallium	205-1	524.74	539.02	527.08	530.28	1.44	ppb
Tin	118-1	453.12	459.51	452.08	454.91	0.88	ppb
Titanium	47-1	2327.24	2341.52	2293.69	2320.82	1.06	ppb
Uranium	238-1	508.61	524.57	518.35	517.18	1.56	ppb
Vanadium	51-2	646.04	620.54	622.33	629.64	2.26	ppb
Yttrium	89-1				139		%
Yttrium	89-2				134		%
Zinc	66-2	1333.90	1282.51	1267.75	1294.72	2.68	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08A	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:49:51	DataFile Name :	043SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	443.01	459.33	448.82	450.39	1.84	ppb
Zirconium	91-1	439.81	445.29	442.14	442.41	0.62	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:53:04	DataFile Name :	044SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	135521.18	130491.38	133878.83	133297.13	1.92	ppb
Antimony	121-1	0.37	0.35	0.30	0.34	10.42	ppb
Arsenic	75-2	42.37	39.44	41.01	40.94	3.58	ppb
Barium	135-1	1913.78	1834.98	1889.10	1879.29	2.14	ppb
Barium	137-1	1926.18	1825.77	1872.91	1874.95	2.68	ppb
Beryllium	9-1	7.75	7.55	7.41	7.57	2.26	ppb
Bismuth	209-1				106		%
Bismuth	209-2				102		%
Boron	10-1	14.87	16.07	12.63	14.52	12.03	ppb
Boron	11-1	16.37	13.64	12.75	14.25	13.23	ppb
Cadmium	111-1	1.51	1.44	1.55	1.50	3.74	ppb
Cadmium	106-1	6.01	5.61	7.93	6.51	19.05	ppb
Cadmium	108-1	4.34	3.48	4.35	4.06	12.37	ppb
Calcium	43-1	14308.43	13278.43	13450.85	13679.24	4.03	ppb
Calcium	44-1	14379.52	13363.37	13708.75	13817.21	3.74	ppb
Chromium	52-2	150.04	143.72	148.15	147.30	2.20	ppb
Cobalt	59-2	109.81	105.67	106.98	107.49	1.97	ppb
Copper	63-2	173.82	166.35	169.24	169.80	2.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				108		%
Indium	115-1				109		%
Indium	115-2				104		%
Iron	56-2	270526.86	259780.07	267353.32	265886.75	2.08	ppb
Iron	57-2	274064.43	259448.62	264832.97	266115.34	2.78	ppb
Krypton	83-1						cps
Lead	206-1	231.28	212.07	220.83	221.39	4.34	ppb
Lead	207-1	211.51	194.99	202.88	203.13	4.07	ppb
Lead	208-1	222.40	203.87	212.16	212.81	4.36	ppb
Lithium	6-1				86		%
Magnesium	24-2	46977.54	44781.52	46171.82	45976.96	2.42	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:53:04	DataFile Name :	044SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	13507.59	12839.98	12962.22	13103.27	2.71	ppb
Molybdenum	94-1	48.18	44.28	46.92	46.46	4.29	ppb
Molybdenum	95-1	2.50	2.44	2.37	2.44	2.68	ppb
Molybdenum	96-1	8.26	7.73	8.22	8.07	3.63	ppb
Molybdenum	97-1	2.46	2.19	2.35	2.33	5.72	ppb
Molybdenum	98-1	2.45	2.44	2.42	2.44	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	197.14	188.08	191.92	192.38	2.36	ppb
Phosphorus	31-2	4287.24	3790.88	4006.61	4028.25	6.18	ppb
Potassium	39-2	4060.84	3809.27	3880.99	3917.03	3.31	ppb
Rhodium	103-1				107		%
Rhodium	103-2				105		%
Scandium	45-1				118		%
Scandium	45-2				110		%
Selenium	77-2	167.78	121.05	171.45	153.43	18.31	ppb
Selenium	78-2	29.52	31.69	29.12	30.11	4.58	ppb
Selenium	82-1	3.59	4.27	4.37	4.08	10.42	ppb
Silicon	28-1	939.54	851.03	878.67	889.75	5.09	ppb
Silver	109-1	0.46	0.45	0.42	0.45	4.69	ppb
Silver	107-1	0.53	0.51	0.46	0.50	6.53	ppb
Sodium	23-2	667.05	627.18	651.73	648.65	3.10	ppb
Strontium	86-1	113.53	105.73	110.83	110.03	3.60	ppb
Strontium	88-1	118.85	109.44	115.26	114.52	4.15	ppb
Sulfur	34-1	-7563.27	-8947.95	-8866.82	-8459.35		ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	1.04	0.93	0.93	0.97	6.81	ppb
Thallium	205-1	0.99	0.92	0.91	0.94	4.46	ppb
Tin	118-1	0.71	0.59	0.60	0.64	10.34	ppb
Titanium	47-1	40.51	39.53	38.35	39.46	2.75	ppb
Uranium	238-1	3.30	3.08	3.09	3.16	3.82	ppb
Vanadium	51-2	173.95	166.28	169.47	169.90	2.27	ppb
Yttrium	89-1				140		%
Yttrium	89-2				135		%
Zinc	66-2	626.86	594.15	609.40	610.14	2.68	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:53:04	DataFile Name :	044SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	31.31	29.17	30.34	30.28	3.54	ppb
Zirconium	91-1	30.84	28.63	29.31	29.59	3.83	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-05DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS024-1824-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:05:03 DataFile Name : 045SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21314.53	22614.55	21487.91	21805.66	3.24	ppb
Antimony	121-1	0.08	0.10	0.13	0.11	22.38	ppb
Arsenic	75-2	12.89	13.26	13.09	13.08	1.42	ppb
Barium	135-1	344.22	353.47	347.09	348.26	1.36	ppb
Barium	137-1	347.97	358.57	350.70	352.41	1.56	ppb
Beryllium	9-1	1.58	1.42	1.45	1.48	5.63	ppb
Bismuth	209-1				103		%
Bismuth	209-2				103		%
Boron	10-1	5.64	4.18	5.46	5.09	15.67	ppb
Boron	11-1	6.39	5.75	5.87	6.00	5.59	ppb
Cadmium	111-1	0.52	0.35	0.36	0.41	22.96	ppb
Cadmium	106-1	0.71	-0.74	-0.95	-0.33		ppb
Cadmium	108-1	1.50	0.88	0.90	1.09	32.24	ppb
Calcium	43-1	6440.07	6782.98	6729.75	6650.93	2.77	ppb
Calcium	44-1	6633.75	6965.93	6936.61	6845.43	2.69	ppb
Chromium	52-2	29.58	31.79	30.08	30.48	3.81	ppb
Cobalt	59-2	21.27	22.49	21.12	21.63	3.47	ppb
Copper	63-2	85.74	90.79	86.42	87.65	3.13	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				107		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	48248.28	51757.94	49097.93	49701.38	3.68	ppb
Iron	57-2	47932.70	51135.82	47781.21	48949.91	3.87	ppb
Krypton	83-1						cps
Lead	206-1	58.10	60.94	59.59	59.54	2.38	ppb
Lead	207-1	53.48	56.44	54.89	54.94	2.70	ppb
Lead	208-1	56.26	58.31	57.43	57.33	1.80	ppb
Lithium	6-1				78		%
Magnesium	24-2	8741.15	9055.86	8621.50	8806.17	2.55	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:05:03	DataFile Name :	045SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1658.58	1755.54	1667.78	1693.96	3.16	ppb
Molybdenum	94-1	13.32	13.43	13.46	13.40	0.52	ppb
Molybdenum	95-1	1.25	1.32	1.27	1.28	2.73	ppb
Molybdenum	96-1	2.60	2.69	2.59	2.63	2.06	ppb
Molybdenum	97-1	1.25	1.44	1.48	1.39	8.71	ppb
Molybdenum	98-1	1.32	1.35	1.31	1.33	1.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.04	47.34	44.79	45.39	3.82	ppb
Phosphorus	31-2	1120.24	1075.80	818.36	1004.80	16.22	ppb
Potassium	39-2	1499.87	1534.87	1438.65	1491.13	3.27	ppb
Rhodium	103-1				105		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				104		%
Selenium	77-2	84.21	82.73	43.17	70.04	33.24	ppb
Selenium	78-2	11.54	8.91	11.13	10.53	13.46	ppb
Selenium	82-1	1.34	1.23	0.94	1.17	17.91	ppb
Silicon	28-1	288.50	294.09	299.34	293.98	1.84	ppb
Silver	109-1	0.09	0.11	0.10	0.10	11.18	ppb
Silver	107-1	0.09	0.11	0.11	0.10	10.62	ppb
Sodium	23-2	179.84	195.55	174.61	183.34	5.94	ppb
Strontium	86-1	46.52	47.20	47.24	46.99	0.86	ppb
Strontium	88-1	47.18	48.54	48.48	48.07	1.60	ppb
Sulfur	34-1	-8267.39	-7736.52	-7783.56	-7929.16		ppb
Terbium	159-1				108		%
Terbium	159-2				107		%
Thallium	203-1	0.15	0.15	0.16	0.15	1.03	ppb
Thallium	205-1	0.15	0.15	0.16	0.15	2.79	ppb
Tin	118-1	0.49	0.41	0.48	0.46	9.25	ppb
Titanium	47-1	18.55	19.76	19.94	19.42	3.88	ppb
Uranium	238-1	1.01	1.04	1.07	1.04	3.07	ppb
Vanadium	51-2	28.71	29.96	28.82	29.16	2.38	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-2	148.24	156.49	147.76	150.83	3.26	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:05:03	DataFile Name :	045SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	8.09	8.39	8.14	8.21	1.92	ppb
Zirconium	91-1	7.80	8.13	7.97	7.97	2.07	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:08:26 DataFile Name : 046SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20549.36	20719.01	21063.58	20777.32	1.26	ppb
Antimony	121-1	0.08	0.07	0.05	0.07	20.20	ppb
Arsenic	75-2	9.95	10.62	11.06	10.54	5.26	ppb
Barium	135-1	419.77	394.97	388.45	401.06	4.12	ppb
Barium	137-1	423.87	396.55	389.53	403.32	4.50	ppb
Beryllium	9-1	1.19	1.38	1.09	1.22	12.05	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Boron	10-1	4.15	3.62	2.99	3.59	16.28	ppb
Boron	11-1	4.75	3.66	4.14	4.19	13.04	ppb
Cadmium	111-1	0.32	0.47	0.20	0.33	40.81	ppb
Cadmium	106-1	0.90	2.50	-1.81	0.53	413.94	ppb
Cadmium	108-1	0.92	0.57	0.76	0.75	23.61	ppb
Calcium	43-1	6649.13	6249.78	6162.12	6353.68	4.09	ppb
Calcium	44-1	6835.85	6347.88	6172.83	6452.19	5.33	ppb
Chromium	52-2	22.35	21.95	22.73	22.34	1.74	ppb
Cobalt	59-2	16.01	16.13	16.50	16.22	1.57	ppb
Copper	63-2	42.34	44.18	44.01	43.51	2.34	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				112		%
Holmium	165-2				109		%
Indium	115-1				109		%
Indium	115-2				105		%
Iron	56-2	38504.19	38439.77	38836.07	38593.34	0.55	ppb
Iron	57-2	37443.51	37941.55	38500.34	37961.80	1.39	ppb
Krypton	83-1						cps
Lead	206-1	66.61	63.11	60.65	63.46	4.72	ppb
Lead	207-1	61.24	57.70	56.34	58.43	4.33	ppb
Lead	208-1	63.53	60.25	58.53	60.77	4.18	ppb
Lithium	6-1				77		%
Magnesium	24-2	6581.43	6642.70	6634.64	6619.59	0.50	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:08:26	DataFile Name :	046SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1680.85	1703.24	1729.48	1704.52	1.43	ppb
Molybdenum	94-1	8.05	7.42	7.43	7.63	4.70	ppb
Molybdenum	95-1	0.93	1.00	0.91	0.95	5.42	ppb
Molybdenum	96-1	1.87	1.76	1.74	1.79	3.85	ppb
Molybdenum	97-1	0.91	0.94	0.84	0.90	5.82	ppb
Molybdenum	98-1	1.01	0.90	0.81	0.91	11.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	29.14	28.57	30.47	29.39	3.33	ppb
Phosphorus	31-2	854.45	654.96	599.14	702.85	19.10	ppb
Potassium	39-2	722.41	709.40	723.42	718.41	1.09	ppb
Rhodium	103-1				107		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				104		%
Selenium	77-2	28.39	32.94	22.38	27.90	18.98	ppb
Selenium	78-2	8.04	6.57	6.59	7.07	11.97	ppb
Selenium	82-1	2.64	2.28	1.95	2.29	15.00	ppb
Silicon	28-1	329.94	284.70	359.97	324.87	11.66	ppb
Silver	109-1	0.12	0.11	0.10	0.11	8.78	ppb
Silver	107-1	0.11	0.09	0.12	0.11	13.49	ppb
Sodium	23-2	193.36	204.38	190.07	195.94	3.83	ppb
Strontium	86-1	54.86	53.13	51.63	53.21	3.03	ppb
Strontium	88-1	57.75	55.21	53.24	55.40	4.08	ppb
Sulfur	34-1	-7192.14	-8771.02	-8955.20	-8306.12		ppb
Terbium	159-1				112		%
Terbium	159-2				111		%
Thallium	203-1	0.15	0.18	0.15	0.16	11.22	ppb
Thallium	205-1	0.17	0.14	0.16	0.16	7.55	ppb
Tin	118-1	0.21	0.20	0.20	0.20	3.20	ppb
Titanium	47-1	13.92	12.89	12.09	12.97	7.06	ppb
Uranium	238-1	0.76	0.76	0.70	0.74	4.53	ppb
Vanadium	51-2	28.69	29.28	29.54	29.17	1.49	ppb
Yttrium	89-1				116		%
Yttrium	89-2				112		%
Zinc	66-2	87.53	90.32	91.80	89.88	2.41	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:08:26	DataFile Name :	046SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	4.90	4.53	4.53	4.65	4.64	ppb
Zirconium	91-1	4.87	4.46	4.40	4.58	5.66	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08DUPDLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01DU Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:11:50 DataFile Name : 047SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21250.14	21331.53	21475.96	21352.54	0.54	ppb
Antimony	121-1	0.10	0.10	0.06	0.09	28.93	ppb
Arsenic	75-2	10.74	11.08	10.84	10.89	1.60	ppb
Barium	135-1	407.19	403.83	406.59	405.87	0.44	ppb
Barium	137-1	407.33	413.61	415.20	412.05	1.01	ppb
Beryllium	9-1	1.32	1.24	1.34	1.30	4.03	ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Boron	10-1	7.39	4.03	6.23	5.88	29.06	ppb
Boron	11-1	5.29	5.46	6.36	5.70	10.05	ppb
Cadmium	111-1	0.32	0.42	0.29	0.34	18.92	ppb
Cadmium	106-1	0.23	0.66	-0.33	0.19	264.68	ppb
Cadmium	108-1	1.08	0.54	0.41	0.67	52.83	ppb
Calcium	43-1	6465.54	6405.89	6476.01	6449.14	0.59	ppb
Calcium	44-1	6491.34	6667.09	6614.97	6591.13	1.37	ppb
Chromium	52-2	22.63	22.91	22.94	22.83	0.75	ppb
Cobalt	59-2	16.36	16.35	16.25	16.32	0.38	ppb
Copper	63-2	43.94	45.05	44.62	44.53	1.26	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				112		%
Holmium	165-2				109		%
Indium	115-1				109		%
Indium	115-2				105		%
Iron	56-2	39725.08	39878.43	39381.95	39661.82	0.64	ppb
Iron	57-2	38866.60	38844.19	38981.19	38897.33	0.19	ppb
Krypton	83-1						cps
Lead	206-1	63.45	63.75	64.26	63.82	0.64	ppb
Lead	207-1	57.54	58.64	59.30	58.49	1.52	ppb
Lead	208-1	60.77	61.53	61.78	61.36	0.86	ppb
Lithium	6-1				77		%
Magnesium	24-2	6788.53	6753.67	6949.81	6830.67	1.53	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08DUPDLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01DU Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:11:50 DataFile Name : 047SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1735.72	1735.50	1731.85	1734.36	0.13	ppb
Molybdenum	94-1	8.31	8.14	8.18	8.21	1.11	ppb
Molybdenum	95-1	0.98	0.97	1.06	1.01	4.92	ppb
Molybdenum	96-1	1.87	1.94	1.92	1.91	1.93	ppb
Molybdenum	97-1	0.93	1.09	0.90	0.98	10.27	ppb
Molybdenum	98-1	1.00	1.04	0.93	0.99	5.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	30.30	29.83	30.37	30.17	0.98	ppb
Phosphorus	31-2	749.44	734.20	727.54	737.06	1.52	ppb
Potassium	39-2	725.95	744.96	745.35	738.76	1.50	ppb
Rhodium	103-1				108		%
Rhodium	103-2				107		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	77-2	40.26	43.63	51.15	45.01	12.38	ppb
Selenium	78-2	4.84	5.99	11.92	7.58	50.11	ppb
Selenium	82-1	1.60	2.60	1.98	2.06	24.53	ppb
Silicon	28-1	540.15	525.83	543.25	536.41	1.73	ppb
Silver	109-1	0.10	0.11	0.10	0.10	7.09	ppb
Silver	107-1	0.11	0.10	0.10	0.10	3.18	ppb
Sodium	23-2	189.57	183.90	190.55	188.01	1.91	ppb
Strontium	86-1	54.77	55.70	55.97	55.48	1.13	ppb
Strontium	88-1	56.24	56.13	56.36	56.24	0.20	ppb
Sulfur	34-1	-8250.90	-8394.18	-8313.56	-8319.55		ppb
Terbium	159-1				112		%
Terbium	159-2				108		%
Thallium	203-1	0.17	0.12	0.15	0.15	16.36	ppb
Thallium	205-1	0.14	0.17	0.14	0.15	10.32	ppb
Tin	118-1	0.17	0.19	0.21	0.19	11.12	ppb
Titanium	47-1	16.21	16.76	16.61	16.52	1.71	ppb
Uranium	238-1	0.71	0.73	0.74	0.73	1.97	ppb
Vanadium	51-2	30.27	30.33	30.39	30.33	0.19	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	91.63	89.84	92.29	91.26	1.39	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:11:50	DataFile Name :	047SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	4.95	4.95	5.00	4.97	0.54	ppb
Zirconium	91-1	5.04	5.06	4.63	4.91	4.90	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P8
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:17:44	DataFile Name :	048CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50905.51	50492.13	50247.92	50548.52	0.66	ppb
Antimony	121-1	511.31	510.33	505.91	509.18	0.57	ppb
Arsenic	75-2	499.68	495.76	497.46	497.63	0.40	ppb
Barium	135-1	2608.58	2612.53	2562.68	2594.60	1.07	ppb
Barium	137-1	2585.42	2597.95	2520.86	2568.08	1.61	ppb
Beryllium	9-1	566.77	573.94	558.26	566.32	1.39	ppb
Bismuth	209-1				111		%
Bismuth	209-2				111		%
Boron	10-1	570.64	579.94	574.72	575.10	0.81	ppb
Boron	11-1	567.38	582.42	584.87	578.22	1.64	ppb
Cadmium	111-1	522.83	522.95	507.10	517.63	1.76	ppb
Cadmium	106-1	497.00	508.01	500.61	501.87	1.12	ppb
Cadmium	108-1	518.80	526.79	499.33	514.97	2.74	ppb
Calcium	43-1	241967.32	244509.61	235639.85	240705.59	1.90	ppb
Calcium	44-1	243801.38	244435.32	236830.23	241688.98	1.75	ppb
Chromium	52-2	524.63	518.16	512.59	518.46	1.16	ppb
Cobalt	59-2	519.22	512.36	504.20	511.92	1.47	ppb
Copper	63-2	1026.73	1009.84	999.47	1012.01	1.36	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				118		%
Holmium	165-2				118		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	127969.44	126984.76	126326.72	127093.64	0.65	ppb
Iron	57-2	130406.75	130781.95	127622.62	129603.77	1.33	ppb
Krypton	83-1						cps
Lead	206-1	523.64	526.08	513.38	521.03	1.29	ppb
Lead	207-1	520.16	519.35	509.19	516.23	1.18	ppb
Lead	208-1	528.01	530.06	517.70	525.25	1.26	ppb
Lithium	6-1				89		%
Magnesium	24-2	250845.07	249584.66	247374.70	249268.14	0.70	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P8
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:17:44	DataFile Name :	048CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1029.30	1028.68	1017.00	1025.00	0.68	ppb
Molybdenum	94-1	2568.37	2608.61	2533.09	2570.03	1.47	ppb
Molybdenum	95-1	2578.70	2607.82	2529.82	2572.11	1.53	ppb
Molybdenum	96-1	2573.65	2607.10	2529.57	2570.11	1.51	ppb
Molybdenum	97-1	2631.49	2639.05	2559.96	2610.17	1.67	ppb
Molybdenum	98-1	2611.50	2658.89	2520.03	2596.80	2.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	520.73	513.24	504.58	512.85	1.58	ppb
Phosphorus	31-2	9298.94	9612.91	9937.09	9616.31	3.32	ppb
Potassium	39-2	127060.71	125187.20	124736.33	125661.41	0.98	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				115		%
Scandium	45-2				108		%
Selenium	77-2	488.62	508.69	376.08	457.80	15.61	ppb
Selenium	78-2	484.99	445.09	496.16	475.42	5.65	ppb
Selenium	82-1	494.69	497.30	484.69	492.23	1.35	ppb
Silicon	28-1	500.04	521.46	504.83	508.78	2.21	ppb
Silver	109-1	504.49	504.40	486.00	498.30	2.14	ppb
Silver	107-1	495.41	504.46	494.48	498.12	1.11	ppb
Sodium	23-2	245929.37	246424.85	244257.05	245537.09	0.46	ppb
Strontium	86-1	505.71	512.83	498.91	505.82	1.38	ppb
Strontium	88-1	520.30	519.50	509.89	516.56	1.12	ppb
Sulfur	34-1	12232.30	11497.84	10526.28	11418.81	7.49	ppb
Terbium	159-1				118		%
Terbium	159-2				118		%
Thallium	203-1	522.51	535.07	512.68	523.42	2.14	ppb
Thallium	205-1	536.02	537.95	520.80	531.59	1.77	ppb
Tin	118-1	520.84	515.85	500.45	512.38	2.07	ppb
Titanium	47-1	2608.78	2654.07	2532.44	2598.43	2.37	ppb
Uranium	238-1	537.19	542.71	529.72	536.54	1.22	ppb
Vanadium	51-2	518.34	518.47	512.01	516.27	0.72	ppb
Yttrium	89-1				115		%
Yttrium	89-2				112		%
Zinc	66-2	1020.66	1011.51	997.87	1010.01	1.14	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P8
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:17:44	DataFile Name :	048CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	528.53	524.50	517.67	523.57	1.05	ppb
Zirconium	91-1	514.05	515.91	498.58	509.51	1.87	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB02 Instrumnet Name : P8
 Client Sample ID : CCB02 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 19:21:36 DataFile Name : 049CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.09	1.16	1.41	0.49	278.94	ppb
Antimony	121-1	0.21	0.23	0.22	0.22	5.38	ppb
Arsenic	75-2	0.08	0.02	0.05	0.05	65.75	ppb
Barium	135-1	-0.02	-0.02	0.00	-0.01		ppb
Barium	137-1	0.06	0.07	0.02	0.05	44.80	ppb
Beryllium	9-1	0.07	0.08	0.08	0.08	9.67	ppb
Bismuth	209-1				115		%
Bismuth	209-2				117		%
Boron	10-1	7.03	7.63	6.11	6.92	11.10	ppb
Boron	11-1	6.57	6.57	6.81	6.65	2.07	ppb
Cadmium	111-1	-0.19	-0.10	-0.06	-0.11		ppb
Cadmium	106-1	-2.72	-1.34	-0.89	-1.65		ppb
Cadmium	108-1	0.10	0.07	-0.02	0.05	130.03	ppb
Calcium	43-1	-8.36	-1.01	-2.78	-4.05		ppb
Calcium	44-1	-28.33	-13.70	-25.58	-22.54		ppb
Chromium	52-2	-0.13	-0.26	-0.28	-0.22		ppb
Cobalt	59-2	-0.02	-0.01	0.01	-0.01		ppb
Copper	63-2	0.03	0.02	-0.01	0.02	132.09	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				117		%
Holmium	165-2				119		%
Indium	115-1				115		%
Indium	115-2				114		%
Iron	56-2	2.77	2.84	2.99	2.87	3.97	ppb
Iron	57-2	5.29	2.36	1.68	3.11	61.78	ppb
Krypton	83-1						cps
Lead	206-1	0.14	0.12	0.09	0.12	20.28	ppb
Lead	207-1	0.07	0.08	0.07	0.07	10.57	ppb
Lead	208-1	0.10	0.10	0.09	0.10	6.02	ppb
Lithium	6-1				90		%
Magnesium	24-2	7.86	8.29	8.21	8.12	2.80	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P8
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:21:36	DataFile Name :	049CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.02	0.00	0.02	0.00		ppb
Molybdenum	94-1	0.12	0.13	0.14	0.13	5.39	ppb
Molybdenum	95-1	0.16	0.13	0.16	0.15	11.34	ppb
Molybdenum	96-1	0.11	0.07	0.10	0.09	23.95	ppb
Molybdenum	97-1	0.13	0.15	0.14	0.14	7.79	ppb
Molybdenum	98-1	0.13	0.13	0.17	0.15	16.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	-0.02	-0.06	-0.04		ppb
Phosphorus	31-2	-58.37	-45.54	-45.61	-49.84		ppb
Potassium	39-2	9.70	-2.14	-4.42	1.05	723.75	ppb
Rhodium	103-1				112		%
Rhodium	103-2				116		%
Scandium	45-1				113		%
Scandium	45-2				108		%
Selenium	77-2	-2.58	-2.58	0.87	-1.43		ppb
Selenium	78-2	0.14	0.70	1.27	0.70	80.35	ppb
Selenium	82-1	1.78	1.36	0.81	1.32	36.88	ppb
Silicon	28-1	-14.55	-7.75	-12.59	-11.63		ppb
Silver	109-1	0.03	0.02	0.03	0.03	16.60	ppb
Silver	107-1	0.03	0.03	0.02	0.03	21.50	ppb
Sodium	23-2	86.22	88.30	77.07	83.86	7.13	ppb
Strontium	86-1	0.05	0.00	0.05	0.04	77.59	ppb
Strontium	88-1	0.00	0.01	0.01	0.01	44.10	ppb
Sulfur	34-1	-4538.10	-2935.18	-4270.25	-3914.51		ppb
Terbium	159-1				117		%
Terbium	159-2				117		%
Thallium	203-1	0.07	0.06	0.07	0.07	7.89	ppb
Thallium	205-1	0.07	0.08	0.05	0.07	19.36	ppb
Tin	118-1	0.05	0.06	0.06	0.06	8.34	ppb
Titanium	47-1	-0.08	0.03	-0.08	-0.04		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.02	-0.02	0.01	-0.01		ppb
Yttrium	89-1				113		%
Yttrium	89-2				113		%
Zinc	66-2	-0.16	-0.06	-0.82	-0.35		ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P8
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:21:36	DataFile Name :	049CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.02	0.03	0.03	22.71	ppb
Zirconium	91-1	0.03	0.02	0.00	0.01	95.77	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08LDLX25 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01LDI Dilution Factor : 25
 Date & Time Acquired :: 2018-12-21 19:25:01 DataFile Name : 050SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4157.44	4141.55	4106.39	4135.13	0.63	ppb
Antimony	121-1	0.08	0.10	0.09	0.09	12.18	ppb
Arsenic	75-2	1.93	1.94	2.21	2.03	7.71	ppb
Barium	135-1	78.94	76.80	75.91	77.22	2.01	ppb
Barium	137-1	80.44	78.73	78.72	79.30	1.25	ppb
Beryllium	9-1	0.27	0.35	0.24	0.29	18.71	ppb
Bismuth	209-1				116		%
Bismuth	209-2				114		%
Boron	10-1	3.94	2.96	2.73	3.21	20.00	ppb
Boron	11-1	4.32	3.45	3.39	3.72	14.09	ppb
Cadmium	111-1	0.04	-0.01	0.03	0.02	132.78	ppb
Cadmium	106-1	-0.51	-1.12	-0.68	-0.77		ppb
Cadmium	108-1	0.22	0.30	0.14	0.22	37.03	ppb
Calcium	43-1	1289.02	1251.28	1214.68	1251.66	2.97	ppb
Calcium	44-1	1267.08	1240.65	1253.09	1253.61	1.05	ppb
Chromium	52-2	4.11	4.18	4.32	4.21	2.58	ppb
Cobalt	59-2	3.11	3.16	3.17	3.15	0.96	ppb
Copper	63-2	8.67	8.41	8.49	8.52	1.57	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				118		%
Holmium	165-2				117		%
Indium	115-1				114		%
Indium	115-2				112		%
Iron	56-2	7605.54	7575.25	7512.85	7564.55	0.62	ppb
Iron	57-2	7283.48	7397.11	7343.00	7341.20	0.77	ppb
Krypton	83-1						cps
Lead	206-1	12.54	12.05	12.09	12.23	2.22	ppb
Lead	207-1	11.42	11.29	11.07	11.26	1.57	ppb
Lead	208-1	12.06	11.66	11.60	11.77	2.11	ppb
Lithium	6-1				89		%
Magnesium	24-2	1319.35	1321.51	1325.69	1322.18	0.24	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01LDI	Dilution Factor :	25
Date & Time Acquired ::	2018-12-21 19:25:01	DataFile Name :	050SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	331.74	334.01	327.70	331.15	0.97	ppb
Molybdenum	94-1	1.74	1.69	1.73	1.72	1.75	ppb
Molybdenum	95-1	0.34	0.34	0.39	0.36	7.76	ppb
Molybdenum	96-1	0.50	0.52	0.51	0.51	2.03	ppb
Molybdenum	97-1	0.31	0.37	0.26	0.31	17.62	ppb
Molybdenum	98-1	0.32	0.36	0.33	0.34	5.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.46	5.72	5.59	5.59	2.38	ppb
Phosphorus	31-2	107.81	69.95	56.66	78.14	33.96	ppb
Potassium	39-2	157.27	124.49	121.79	134.52	14.68	ppb
Rhodium	103-1				113		%
Rhodium	103-2				114		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	77-2	7.98	-2.58	14.80	6.73	130.11	ppb
Selenium	78-2	1.88	0.71	1.28	1.29	45.51	ppb
Selenium	82-1	0.58	0.93	0.76	0.76	23.14	ppb
Silicon	28-1	54.45	51.00	50.15	51.87	4.39	ppb
Silver	109-1	0.05	0.05	0.04	0.04	6.91	ppb
Silver	107-1	0.04	0.05	0.05	0.05	4.08	ppb
Sodium	23-2	97.74	96.53	86.24	93.50	6.75	ppb
Strontium	86-1	10.91	10.52	10.86	10.77	1.96	ppb
Strontium	88-1	11.04	11.27	11.12	11.14	1.03	ppb
Sulfur	34-1	-4677.31	-5503.98	-5621.11	-5267.47		ppb
Terbium	159-1				118		%
Terbium	159-2				117		%
Thallium	203-1	0.05	0.06	0.05	0.06	10.98	ppb
Thallium	205-1	0.06	0.06	0.05	0.05	13.10	ppb
Tin	118-1	0.05	0.07	0.04	0.05	31.35	ppb
Titanium	47-1	2.37	2.91	2.79	2.69	10.42	ppb
Uranium	238-1	0.17	0.15	0.15	0.16	7.16	ppb
Vanadium	51-2	6.09	6.03	5.66	5.92	3.93	ppb
Yttrium	89-1				116		%
Yttrium	89-2				113		%
Zinc	66-2	16.77	16.58	16.36	16.57	1.26	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01LDI	Dilution Factor :	25
Date & Time Acquired ::	2018-12-21 19:25:01	DataFile Name :	050SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1.01	0.97	1.02	1.00	2.85	ppb
Zirconium	91-1	0.97	0.96	0.96	0.96	0.96	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:28:26	DataFile Name :	051SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21629.78	21738.69	22519.74	21962.74	2.21	ppb
Antimony	121-1	105.57	94.42	93.80	97.93	6.76	ppb
Arsenic	75-2	101.23	103.71	106.57	103.84	2.58	ppb
Barium	135-1	918.34	821.45	808.82	849.53	7.05	ppb
Barium	137-1	939.61	828.45	827.62	865.23	7.45	ppb
Beryllium	9-1	118.49	108.26	106.40	111.05	5.86	ppb
Bismuth	209-1				112		%
Bismuth	209-2				112		%
Boron	10-1	104.56	99.61	99.51	101.23	2.85	ppb
Boron	11-1	104.03	94.73	98.18	98.98	4.75	ppb
Cadmium	111-1	106.83	97.08	96.03	99.98	5.95	ppb
Cadmium	106-1	109.33	96.57	94.73	100.21	7.93	ppb
Cadmium	108-1	106.40	95.17	96.05	99.21	6.29	ppb
Calcium	43-1	15861.82	14160.29	14257.97	14760.02	6.47	ppb
Calcium	44-1	15931.68	14302.97	14444.79	14893.15	6.06	ppb
Chromium	52-2	120.06	118.23	124.19	120.82	2.53	ppb
Cobalt	59-2	117.26	116.40	121.94	118.53	2.51	ppb
Copper	63-2	229.57	230.68	238.00	232.75	1.97	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				117		%
Holmium	165-2				116		%
Indium	115-1				115		%
Indium	115-2				111		%
Iron	56-2	40264.36	41126.45	42236.09	41208.97	2.40	ppb
Iron	57-2	40428.38	40698.51	41591.34	40906.08	1.49	ppb
Krypton	83-1						cps
Lead	206-1	178.15	155.92	154.58	162.88	8.13	ppb
Lead	207-1	167.65	146.12	147.23	153.67	7.89	ppb
Lead	208-1	172.56	151.18	151.86	158.54	7.66	ppb
Lithium	6-1				86		%
Magnesium	24-2	15018.81	15004.00	15752.17	15258.33	2.80	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:28:26	DataFile Name :	051SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1772.05	1777.93	1848.45	1799.47	2.36	ppb
Molybdenum	94-1	498.26	445.19	442.04	461.83	6.84	ppb
Molybdenum	95-1	467.14	425.86	426.08	439.69	5.41	ppb
Molybdenum	96-1	472.82	433.90	426.98	444.57	5.56	ppb
Molybdenum	97-1	476.43	431.11	427.11	444.88	6.16	ppb
Molybdenum	98-1	478.33	435.94	435.34	449.87	5.48	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.14	131.19	135.86	132.07	2.61	ppb
Phosphorus	31-2	755.92	724.70	990.00	823.54	17.61	ppb
Potassium	39-2	5095.67	5082.66	5233.21	5137.18	1.62	ppb
Rhodium	103-1				113		%
Rhodium	103-2				113		%
Scandium	45-1				114		%
Scandium	45-2				108		%
Selenium	77-2	89.83	142.38	122.73	118.31	22.44	ppb
Selenium	78-2	95.00	94.83	112.81	100.88	10.24	ppb
Selenium	82-1	106.25	93.53	92.30	97.36	7.94	ppb
Silicon	28-1	1069.55	966.59	927.20	987.78	7.44	ppb
Silver	109-1	90.81	81.41	81.70	84.64	6.32	ppb
Silver	107-1	90.26	81.08	81.03	84.12	6.32	ppb
Sodium	23-2	8912.06	8946.27	9417.48	9091.94	3.11	ppb
Strontium	86-1	158.17	143.43	141.82	147.81	6.09	ppb
Strontium	88-1	161.37	147.97	145.84	151.73	5.55	ppb
Sulfur	34-1	-3614.21	-6600.60	-6582.67	-5599.16		ppb
Terbium	159-1				117		%
Terbium	159-2				115		%
Thallium	203-1	110.07	96.29	96.29	100.88	7.88	ppb
Thallium	205-1	111.32	97.78	98.23	102.45	7.51	ppb
Tin	118-1	94.46	84.32	85.15	87.97	6.40	ppb
Titanium	47-1	501.99	450.36	453.13	468.50	6.20	ppb
Uranium	238-1	107.34	95.23	94.49	99.02	7.29	ppb
Vanadium	51-2	126.03	126.49	132.46	128.33	2.79	ppb
Yttrium	89-1				119		%
Yttrium	89-2				117		%
Zinc	66-2	262.56	270.38	279.51	270.81	3.13	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:28:26	DataFile Name :	051SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	109.63	98.52	97.91	102.02	6.47	ppb
Zirconium	91-1	107.56	97.85	96.19	100.53	6.11	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-10DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:31:48 DataFile Name : 052SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21498.75	22419.37	22560.62	22159.58	2.60	ppb
Antimony	121-1	102.41	100.48	100.23	101.04	1.18	ppb
Arsenic	75-2	103.77	105.31	113.70	107.59	4.97	ppb
Barium	135-1	873.28	881.48	866.51	873.76	0.86	ppb
Barium	137-1	884.62	881.77	880.36	882.25	0.25	ppb
Beryllium	9-1	118.01	117.38	112.60	116.00	2.55	ppb
Bismuth	209-1				110		%
Bismuth	209-2				110		%
Boron	10-1	98.23	109.23	104.62	104.03	5.31	ppb
Boron	11-1	107.49	113.35	104.44	108.43	4.17	ppb
Cadmium	111-1	104.59	103.56	101.60	103.25	1.47	ppb
Cadmium	106-1	101.44	99.38	96.08	98.97	2.73	ppb
Cadmium	108-1	103.62	101.94	105.38	103.65	1.66	ppb
Calcium	43-1	15476.73	15058.74	14646.27	15060.58	2.76	ppb
Calcium	44-1	15452.23	15143.97	14792.68	15129.63	2.18	ppb
Chromium	52-2	120.13	123.98	127.88	124.00	3.13	ppb
Cobalt	59-2	118.93	121.41	123.78	121.37	2.00	ppb
Copper	63-2	234.18	241.24	245.09	240.17	2.31	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				114		%
Indium	115-1				112		%
Indium	115-2				110		%
Iron	56-2	40931.71	41654.16	42255.33	41613.73	1.59	ppb
Iron	57-2	40055.27	41073.98	41770.21	40966.49	2.11	ppb
Krypton	83-1						cps
Lead	206-1	166.11	165.58	161.69	164.46	1.47	ppb
Lead	207-1	157.27	155.25	153.34	155.29	1.26	ppb
Lead	208-1	163.17	160.51	158.36	160.68	1.50	ppb
Lithium	6-1				80		%
Magnesium	24-2	15136.89	15354.23	15507.20	15332.78	1.21	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-10DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:31:48 DataFile Name : 052SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1760.68	1814.69	1830.10	1801.82	2.02	ppb
Molybdenum	94-1	479.43	472.19	465.34	472.32	1.49	ppb
Molybdenum	95-1	454.13	450.52	442.39	449.01	1.34	ppb
Molybdenum	96-1	463.29	458.34	440.47	454.04	2.64	ppb
Molybdenum	97-1	456.84	451.38	446.31	451.51	1.17	ppb
Molybdenum	98-1	457.80	458.93	451.64	456.12	0.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	135.43	137.17	138.39	137.00	1.08	ppb
Phosphorus	31-2	653.50	790.97	713.88	719.45	9.58	ppb
Potassium	39-2	5192.34	5223.38	5539.09	5318.27	3.61	ppb
Rhodium	103-1				111		%
Rhodium	103-2				112		%
Scandium	45-1				111		%
Scandium	45-2				108		%
Selenium	77-2	113.43	72.03	181.37	122.28	45.15	ppb
Selenium	78-2	91.06	104.89	111.34	102.43	10.12	ppb
Selenium	82-1	100.79	98.41	99.46	99.55	1.20	ppb
Silicon	28-1	1048.46	1065.75	987.81	1034.01	3.96	ppb
Silver	109-1	89.50	87.52	86.52	87.85	1.73	ppb
Silver	107-1	88.09	87.32	86.39	87.27	0.97	ppb
Sodium	23-2	9066.08	9338.78	9503.12	9302.66	2.37	ppb
Strontium	86-1	153.00	150.14	149.16	150.77	1.32	ppb
Strontium	88-1	157.84	157.28	154.44	156.52	1.16	ppb
Sulfur	34-1	-5719.85	-6482.87	-7239.69	-6480.80		ppb
Terbium	159-1				115		%
Terbium	159-2				114		%
Thallium	203-1	104.28	105.52	101.49	103.76	1.99	ppb
Thallium	205-1	105.09	105.59	102.49	104.39	1.59	ppb
Tin	118-1	90.25	91.75	90.57	90.86	0.87	ppb
Titanium	47-1	488.10	480.36	463.42	477.29	2.65	ppb
Uranium	238-1	101.96	101.02	99.88	100.95	1.03	ppb
Vanadium	51-2	126.95	132.60	134.64	131.39	3.03	ppb
Yttrium	89-1				119		%
Yttrium	89-2				117		%
Zinc	66-2	270.48	273.66	281.22	275.12	2.01	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-10DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:31:48	DataFile Name :	052SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	105.64	105.19	103.53	104.79	1.06	ppb
Zirconium	91-1	104.46	101.44	100.50	102.13	2.02	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08ADLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01ADL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:35:09 DataFile Name : 053SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22261.96	21679.74	21734.14	21891.95	1.47	ppb
Antimony	121-1	101.16	99.92	99.79	100.29	0.75	ppb
Arsenic	75-2	108.44	106.59	109.33	108.12	1.29	ppb
Barium	135-1	873.96	861.55	866.17	867.22	0.72	ppb
Barium	137-1	874.23	870.74	881.92	875.63	0.65	ppb
Beryllium	9-1	112.46	114.22	114.58	113.75	1.00	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Boron	10-1	95.23	105.05	106.17	102.15	5.89	ppb
Boron	11-1	100.39	105.68	106.36	104.14	3.14	ppb
Cadmium	111-1	102.41	104.31	103.57	103.43	0.93	ppb
Cadmium	106-1	105.07	103.98	98.60	102.55	3.38	ppb
Cadmium	108-1	103.25	101.59	104.00	102.95	1.20	ppb
Calcium	43-1	14956.10	14844.78	15147.71	14982.86	1.02	ppb
Calcium	44-1	15324.85	15214.91	15303.87	15281.21	0.38	ppb
Chromium	52-2	123.69	122.15	122.81	122.88	0.63	ppb
Cobalt	59-2	122.09	121.15	122.36	121.86	0.52	ppb
Copper	63-2	237.65	235.84	237.72	237.07	0.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				111		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	41128.08	40860.19	40609.10	40865.79	0.64	ppb
Iron	57-2	40330.14	40079.04	40072.85	40160.68	0.37	ppb
Krypton	83-1						cps
Lead	206-1	164.56	162.19	164.39	163.71	0.81	ppb
Lead	207-1	156.62	154.29	155.20	155.37	0.75	ppb
Lead	208-1	160.36	159.51	161.56	160.47	0.64	ppb
Lithium	6-1				81		%
Magnesium	24-2	15417.08	15306.05	15230.92	15318.01	0.61	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08ADLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01ADL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:35:09 DataFile Name : 053SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1790.43	1755.36	1762.38	1769.39	1.05	ppb
Molybdenum	94-1	468.12	479.00	475.56	474.23	1.17	ppb
Molybdenum	95-1	443.26	454.40	447.82	448.49	1.25	ppb
Molybdenum	96-1	458.17	457.42	450.22	455.27	0.96	ppb
Molybdenum	97-1	450.95	454.42	451.45	452.28	0.41	ppb
Molybdenum	98-1	454.90	451.95	457.49	454.78	0.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	133.98	132.76	132.32	133.02	0.65	ppb
Phosphorus	31-2	560.00	773.25	854.99	729.42	20.88	ppb
Potassium	39-2	5316.99	5171.57	5236.92	5241.83	1.39	ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				110		%
Scandium	45-2				107		%
Selenium	77-2	152.62	127.51	91.47	123.86	24.82	ppb
Selenium	78-2	102.70	110.37	96.86	103.31	6.56	ppb
Selenium	82-1	98.69	101.19	97.42	99.10	1.94	ppb
Silicon	28-1	1045.51	1121.15	1066.79	1077.81	3.62	ppb
Silver	109-1	87.23	87.95	88.12	87.76	0.54	ppb
Silver	107-1	86.50	86.22	87.34	86.69	0.67	ppb
Sodium	23-2	9339.98	9353.63	9293.26	9328.96	0.34	ppb
Strontium	86-1	149.24	150.98	147.83	149.35	1.06	ppb
Strontium	88-1	155.66	156.61	156.30	156.19	0.31	ppb
Sulfur	34-1	-7336.96	-7341.30	-7276.21	-7318.16		ppb
Terbium	159-1				113		%
Terbium	159-2				112		%
Thallium	203-1	104.71	103.84	102.14	103.56	1.26	ppb
Thallium	205-1	104.36	102.76	103.18	103.43	0.80	ppb
Tin	118-1	91.26	89.95	90.89	90.70	0.74	ppb
Titanium	47-1	476.69	484.23	480.86	480.59	0.79	ppb
Uranium	238-1	101.50	100.98	100.70	101.06	0.40	ppb
Vanadium	51-2	131.74	132.06	130.42	131.41	0.66	ppb
Yttrium	89-1				117		%
Yttrium	89-2				114		%
Zinc	66-2	272.35	266.42	270.48	269.75	1.12	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01AD	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:35:09	DataFile Name :	053SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	103.11	103.38	104.16	103.55	0.53	ppb
Zirconium	91-1	102.90	103.35	103.41	103.22	0.27	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-11DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1824-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:39:58 DataFile Name : 054CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	27255.34	27200.96	29444.25	27966.85	4.58	ppb
Antimony	121-1	0.08	0.11	0.12	0.10	18.23	ppb
Arsenic	75-2	9.36	10.02	9.90	9.76	3.65	ppb
Barium	135-1	365.22	379.70	373.26	372.73	1.95	ppb
Barium	137-1	363.03	388.55	378.55	376.71	3.41	ppb
Beryllium	9-1	1.64	1.82	1.65	1.71	5.93	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Boron	10-1	3.45	3.83	2.56	3.28	19.91	ppb
Boron	11-1	3.50	2.49	2.97	2.99	17.00	ppb
Cadmium	111-1	0.17	0.26	0.19	0.21	24.07	ppb
Cadmium	106-1	-1.02	0.27	-0.24	-0.33		ppb
Cadmium	108-1	0.88	1.33	0.82	1.01	27.45	ppb
Calcium	43-1	2790.83	2873.17	2839.37	2834.46	1.46	ppb
Calcium	44-1	2726.24	2873.54	2798.62	2799.47	2.63	ppb
Chromium	52-2	29.71	29.23	31.97	30.30	4.83	ppb
Cobalt	59-2	21.80	21.59	23.93	22.44	5.76	ppb
Copper	63-2	35.08	34.13	37.36	35.52	4.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				107		%
Indium	115-2				101		%
Iron	56-2	54638.44	53901.86	59063.40	55867.90	5.00	ppb
Iron	57-2	53924.13	53046.66	59052.66	55341.15	5.86	ppb
Krypton	83-1						cps
Lead	206-1	42.70	43.33	43.02	43.02	0.74	ppb
Lead	207-1	38.95	40.00	38.23	39.06	2.28	ppb
Lead	208-1	40.79	41.83	40.90	41.17	1.39	ppb
Lithium	6-1				79		%
Magnesium	24-2	9060.31	8966.46	9800.10	9275.62	4.92	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:39:58	DataFile Name :	054CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	2684.12	2657.11	2938.40	2759.88	5.62	ppb
Molybdenum	94-1	10.64	10.97	10.57	10.73	1.96	ppb
Molybdenum	95-1	0.53	0.57	0.56	0.55	3.01	ppb
Molybdenum	96-1	1.72	1.84	1.84	1.80	3.80	ppb
Molybdenum	97-1	0.54	0.59	0.61	0.58	6.01	ppb
Molybdenum	98-1	0.56	0.51	0.54	0.54	5.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	39.14	38.91	42.48	40.18	4.98	ppb
Phosphorus	31-2	787.76	549.40	780.21	705.79	19.20	ppb
Potassium	39-2	776.22	797.43	903.21	825.62	8.24	ppb
Rhodium	103-1				106		%
Rhodium	103-2				103		%
Scandium	45-1				109		%
Scandium	45-2				103		%
Selenium	77-2	28.93	63.84	24.86	39.21	54.66	ppb
Selenium	78-2	7.04	8.75	6.00	7.27	19.11	ppb
Selenium	82-1	1.50	1.31	0.75	1.19	33.06	ppb
Silicon	28-1	168.33	221.91	194.70	194.98	13.74	ppb
Silver	109-1	0.11	0.11	0.11	0.11	1.76	ppb
Silver	107-1	0.10	0.10	0.11	0.11	3.72	ppb
Sodium	23-2	158.47	152.87	193.00	168.11	12.93	ppb
Strontium	86-1	25.17	25.97	26.07	25.73	1.92	ppb
Strontium	88-1	25.90	26.71	26.42	26.34	1.56	ppb
Sulfur	34-1	-9824.37	-9609.61	-9934.20	-9789.40		ppb
Terbium	159-1				109		%
Terbium	159-2				103		%
Thallium	203-1	0.19	0.22	0.14	0.19	21.63	ppb
Thallium	205-1	0.21	0.20	0.21	0.21	4.55	ppb
Tin	118-1	0.14	0.12	0.14	0.13	10.11	ppb
Titanium	47-1	7.94	9.09	8.55	8.53	6.74	ppb
Uranium	238-1	0.61	0.63	0.65	0.63	2.73	ppb
Vanadium	51-2	33.64	33.54	37.99	35.05	7.25	ppb
Yttrium	89-1				115		%
Yttrium	89-2				109		%
Zinc	66-2	123.52	123.47	133.55	126.85	4.57	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:39:58	DataFile Name :	054CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	6.77	7.09	6.96	6.94	2.31	ppb
Zirconium	91-1	6.90	6.87	6.91	6.89	0.33	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P8
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:48:28	DataFile Name :	055CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50557.54	50981.70	50668.50	50735.91	0.43	ppb
Antimony	121-1	510.24	567.31	500.02	525.86	6.90	ppb
Arsenic	75-2	508.63	500.20	496.80	501.88	1.21	ppb
Barium	135-1	2579.02	2945.06	2577.98	2700.69	7.84	ppb
Barium	137-1	2580.22	2932.45	2569.57	2694.08	7.67	ppb
Beryllium	9-1	551.61	607.81	546.36	568.60	5.99	ppb
Bismuth	209-1				103		%
Bismuth	209-2				106		%
Boron	10-1	547.89	598.96	558.48	568.44	4.74	ppb
Boron	11-1	548.15	613.67	565.54	575.79	5.89	ppb
Cadmium	111-1	526.80	592.84	516.86	545.50	7.57	ppb
Cadmium	106-1	521.65	576.79	505.59	534.68	6.98	ppb
Cadmium	108-1	523.31	586.47	523.86	544.55	6.67	ppb
Calcium	43-1	244514.67	271747.20	236428.73	250896.87	7.38	ppb
Calcium	44-1	244304.66	267831.81	234268.80	248801.76	6.92	ppb
Chromium	52-2	517.70	518.30	513.23	516.41	0.54	ppb
Cobalt	59-2	511.76	510.99	512.50	511.75	0.15	ppb
Copper	63-2	1013.32	1005.93	1001.50	1006.92	0.59	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				112		%
Holmium	165-2				114		%
Indium	115-1				106		%
Indium	115-2				107		%
Iron	56-2	125417.43	126125.78	124067.25	125203.49	0.84	ppb
Iron	57-2	128374.14	127312.05	129077.51	128254.57	0.69	ppb
Krypton	83-1						cps
Lead	206-1	517.62	580.09	506.65	534.79	7.41	ppb
Lead	207-1	516.59	576.64	502.19	531.81	7.43	ppb
Lead	208-1	528.43	587.08	512.50	542.67	7.24	ppb
Lithium	6-1				89		%
Magnesium	24-2	247636.84	246266.12	250040.03	247981.00	0.77	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P8
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:48:28	DataFile Name :	055CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1019.04	1015.25	1017.02	1017.10	0.19	ppb
Molybdenum	94-1	2606.46	2933.06	2532.02	2690.51	7.93	ppb
Molybdenum	95-1	2599.22	2884.13	2542.43	2675.26	6.84	ppb
Molybdenum	96-1	2569.92	2868.31	2550.48	2662.90	6.69	ppb
Molybdenum	97-1	2598.91	2917.58	2561.33	2692.61	7.27	ppb
Molybdenum	98-1	2598.72	2895.60	2552.51	2682.28	6.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	511.89	508.89	507.59	509.45	0.43	ppb
Phosphorus	31-2	9986.87	9110.35	9572.13	9556.45	4.59	ppb
Potassium	39-2	125665.80	126991.18	125316.21	125991.06	0.70	ppb
Rhodium	103-1				102		%
Rhodium	103-2				106		%
Scandium	45-1				110		%
Scandium	45-2				109		%
Selenium	77-2	478.23	509.45	494.11	493.93	3.16	ppb
Selenium	78-2	493.48	508.43	483.41	495.11	2.54	ppb
Selenium	82-1	497.26	551.09	484.44	510.93	6.92	ppb
Silicon	28-1	507.75	575.57	491.32	524.88	8.51	ppb
Silver	109-1	510.70	575.30	501.84	529.28	7.58	ppb
Silver	107-1	505.23	565.71	496.89	522.61	7.19	ppb
Sodium	23-2	245972.98	244975.06	247466.50	246138.18	0.51	ppb
Strontium	86-1	508.73	570.83	498.50	526.02	7.44	ppb
Strontium	88-1	518.88	583.31	510.39	537.53	7.42	ppb
Sulfur	34-1	11168.50	14887.27	9760.57	11938.78	22.19	ppb
Terbium	159-1				111		%
Terbium	159-2				114		%
Thallium	203-1	528.67	594.99	515.43	546.36	7.80	ppb
Thallium	205-1	532.84	600.50	519.30	550.88	7.90	ppb
Tin	118-1	520.90	586.97	508.78	538.88	7.81	ppb
Titanium	47-1	2617.49	2883.61	2537.91	2679.67	6.76	ppb
Uranium	238-1	533.97	591.91	513.89	546.59	7.41	ppb
Vanadium	51-2	514.73	516.14	511.19	514.02	0.50	ppb
Yttrium	89-1				111		%
Yttrium	89-2				111		%
Zinc	66-2	992.90	995.95	996.19	995.01	0.18	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P8
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:48:28	DataFile Name :	055CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	532.06	587.97	517.80	545.94	6.79	ppb
Zirconium	91-1	514.38	577.53	497.54	529.82	7.96	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P8
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:51:41	DataFile Name :	056CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.35	-1.04	-1.39	-0.69		ppb
Antimony	121-1	0.33	0.28	0.33	0.31	10.19	ppb
Arsenic	75-2	0.02	-0.01	0.15	0.05	168.54	ppb
Barium	135-1	0.00	-0.03	-0.02	-0.02		ppb
Barium	137-1	0.03	0.01	-0.03	0.00	803.75	ppb
Beryllium	9-1	0.03	0.04	0.07	0.05	50.46	ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Boron	10-1	7.86	6.82	5.61	6.76	16.60	ppb
Boron	11-1	6.51	7.31	6.48	6.77	6.90	ppb
Cadmium	111-1	0.01	-0.02	-0.12	-0.04		ppb
Cadmium	106-1	0.09	-0.59	-1.57	-0.69		ppb
Cadmium	108-1	0.14	-0.10	0.06	0.04	346.63	ppb
Calcium	43-1	-4.30	-12.07	-6.61	-7.66		ppb
Calcium	44-1	-18.29	-19.01	-18.72	-18.67		ppb
Chromium	52-2	-0.33	-0.14	-0.22	-0.23		ppb
Cobalt	59-2	-0.01	-0.02	-0.03	-0.02		ppb
Copper	63-2	-0.02	0.01	0.02	0.00	728.13	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				114		%
Holmium	165-2				111		%
Indium	115-1				115		%
Indium	115-2				108		%
Iron	56-2	0.20	0.34	0.58	0.37	52.03	ppb
Iron	57-2	0.11	-1.82	-0.25	-0.65		ppb
Krypton	83-1						cps
Lead	206-1	0.12	0.12	0.11	0.12	6.38	ppb
Lead	207-1	0.11	0.10	0.12	0.11	8.58	ppb
Lead	208-1	0.11	0.10	0.10	0.10	8.47	ppb
Lithium	6-1				93		%
Magnesium	24-2	2.80	2.88	2.69	2.79	3.35	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P8
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:51:41	DataFile Name :	056CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.05	-0.01	-0.02	-0.03		ppb
Molybdenum	94-1	0.14	0.09	0.15	0.13	26.16	ppb
Molybdenum	95-1	0.15	0.14	0.15	0.15	3.84	ppb
Molybdenum	96-1	0.14	0.13	0.14	0.14	6.07	ppb
Molybdenum	97-1	0.08	0.13	0.11	0.11	22.67	ppb
Molybdenum	98-1	0.14	0.16	0.11	0.14	15.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.03	-0.02	-0.03		ppb
Phosphorus	31-2	-45.47	-58.37	-58.37	-54.07		ppb
Potassium	39-2	11.32	13.69	20.35	15.12	30.96	ppb
Rhodium	103-1				112		%
Rhodium	103-2				110		%
Scandium	45-1				114		%
Scandium	45-2				104		%
Selenium	77-2	-2.58	-2.58	-2.58	-2.58		ppb
Selenium	78-2	-0.44	0.75	0.19	0.17	359.15	ppb
Selenium	82-1	0.91	-0.52	1.08	0.49	179.98	ppb
Silicon	28-1	-14.02	-16.06	-14.03	-14.70		ppb
Silver	109-1	0.05	0.02	0.02	0.03	47.14	ppb
Silver	107-1	0.04	0.03	0.03	0.04	13.95	ppb
Sodium	23-2	110.25	89.92	110.20	103.46	11.33	ppb
Strontium	86-1	0.04	0.13	0.00	0.06	114.54	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	392.11	ppb
Sulfur	34-1	-4556.16	-4333.32	-4392.26	-4427.25		ppb
Terbium	159-1				115		%
Terbium	159-2				112		%
Thallium	203-1	0.10	0.10	0.07	0.09	18.56	ppb
Thallium	205-1	0.09	0.08	0.06	0.07	19.95	ppb
Tin	118-1	0.06	0.06	0.03	0.05	32.81	ppb
Titanium	47-1	-0.08	-0.07	-0.08	-0.08		ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	-0.02	0.01	-0.01	-0.01		ppb
Yttrium	89-1				114		%
Yttrium	89-2				108		%
Zinc	66-2	-0.21	-0.46	-0.31	-0.33		ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P8
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:51:41	DataFile Name :	056CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.03	0.02	0.03	26.70	ppb
Zirconium	91-1	0.05	0.00	-0.01	0.01	249.89	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-01DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS023-1824-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:19:43 DataFile Name : 057SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	28760.05	28807.88	29615.53	29061.15	1.65	ppb
Antimony	121-1	0.07	0.09	0.10	0.09	20.57	ppb
Arsenic	75-2	9.91	9.85	9.98	9.91	0.67	ppb
Barium	135-1	362.91	360.86	355.94	359.90	1.00	ppb
Barium	137-1	363.89	367.00	357.91	362.93	1.27	ppb
Beryllium	9-1	1.80	1.60	1.75	1.72	6.01	ppb
Bismuth	209-1				108		%
Bismuth	209-2				104		%
Boron	10-1	0.49	1.96	0.90	1.12	67.82	ppb
Boron	11-1	1.76	1.81	1.36	1.64	14.93	ppb
Cadmium	111-1	0.18	0.06	0.21	0.15	51.68	ppb
Cadmium	106-1	-0.75	-1.86	-0.08	-0.90		ppb
Cadmium	108-1	0.95	0.79	0.69	0.81	16.10	ppb
Calcium	43-1	1759.53	1805.75	1700.28	1755.19	3.01	ppb
Calcium	44-1	1768.89	1778.52	1672.01	1739.81	3.39	ppb
Chromium	52-2	28.54	28.21	29.82	28.86	2.94	ppb
Cobalt	59-2	20.19	20.54	21.56	20.76	3.43	ppb
Copper	63-2	28.55	29.11	29.64	29.10	1.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				108		%
Indium	115-1				110		%
Indium	115-2				106		%
Iron	56-2	60780.39	62288.21	63062.13	62043.58	1.87	ppb
Iron	57-2	60884.48	61357.74	63014.64	61752.29	1.81	ppb
Krypton	83-1						cps
Lead	206-1	75.87	75.22	72.62	74.57	2.30	ppb
Lead	207-1	70.83	71.13	67.87	69.94	2.58	ppb
Lead	208-1	73.21	72.93	70.78	72.31	1.84	ppb
Lithium	6-1				82		%
Magnesium	24-2	8484.34	8534.20	8766.06	8594.87	1.75	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:19:43	DataFile Name :	057SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	3267.39	3316.10	3370.60	3318.03	1.56	ppb
Molybdenum	94-1	8.29	8.31	8.38	8.32	0.56	ppb
Molybdenum	95-1	0.73	0.57	0.69	0.66	12.42	ppb
Molybdenum	96-1	1.65	1.60	1.50	1.58	4.73	ppb
Molybdenum	97-1	0.65	0.70	0.60	0.65	7.60	ppb
Molybdenum	98-1	0.61	0.67	0.67	0.65	5.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	33.74	34.83	34.26	34.28	1.59	ppb
Phosphorus	31-2	1422.71	1489.97	1368.47	1427.05	4.27	ppb
Potassium	39-2	892.08	918.64	971.25	927.33	4.35	ppb
Rhodium	103-1				109		%
Rhodium	103-2				108		%
Scandium	45-1				110		%
Scandium	45-2				106		%
Selenium	77-2	14.84	32.61	33.64	27.03	39.10	ppb
Selenium	78-2	4.14	8.24	1.35	4.58	75.72	ppb
Selenium	82-1	1.15	0.96	1.54	1.22	24.41	ppb
Silicon	28-1	194.43	184.85	168.19	182.49	7.28	ppb
Silver	109-1	0.11	0.08	0.10	0.10	16.89	ppb
Silver	107-1	0.10	0.11	0.08	0.10	13.80	ppb
Sodium	23-2	200.53	216.35	210.03	208.97	3.81	ppb
Strontium	86-1	15.73	14.71	15.52	15.32	3.50	ppb
Strontium	88-1	16.01	15.87	15.66	15.85	1.11	ppb
Sulfur	34-1	-6368.33	-6738.09	-8403.74	-7170.05		ppb
Terbium	159-1				113		%
Terbium	159-2				108		%
Thallium	203-1	0.20	0.20	0.20	0.20	1.24	ppb
Thallium	205-1	0.21	0.20	0.19	0.20	4.90	ppb
Tin	118-1	0.54	0.55	0.56	0.55	2.08	ppb
Titanium	47-1	14.81	15.51	14.47	14.93	3.54	ppb
Uranium	238-1	0.59	0.57	0.58	0.58	1.19	ppb
Vanadium	51-2	38.75	39.39	40.30	39.48	1.97	ppb
Yttrium	89-1				116		%
Yttrium	89-2				112		%
Zinc	66-2	173.58	176.15	177.58	175.77	1.15	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:19:43	DataFile Name :	057SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	5.53	5.30	5.40	5.41	2.13	ppb
Zirconium	91-1	5.66	5.04	5.48	5.39	5.86	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-02DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS024-0006-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:23:07 DataFile Name : 058SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9486.06	9090.74	8945.75	9174.18	3.05	ppb
Antimony	121-1	0.14	0.10	0.11	0.11	17.96	ppb
Arsenic	75-2	3.02	3.06	3.16	3.08	2.28	ppb
Barium	135-1	311.41	311.21	314.07	312.23	0.51	ppb
Barium	137-1	315.54	305.42	316.52	312.49	1.97	ppb
Beryllium	9-1	0.46	0.55	0.54	0.52	9.48	ppb
Bismuth	209-1				106		%
Bismuth	209-2				106		%
Boron	10-1	0.56	0.57	-0.24	0.30	156.72	ppb
Boron	11-1	1.76	0.93	1.04	1.24	36.37	ppb
Cadmium	111-1	0.92	0.88	0.94	0.91	3.36	ppb
Cadmium	106-1	0.48	-0.76	-0.65	-0.31		ppb
Cadmium	108-1	1.64	1.01	1.07	1.24	28.04	ppb
Calcium	43-1	4650.66	4495.70	4624.04	4590.14	1.81	ppb
Calcium	44-1	4803.04	4631.69	4705.13	4713.29	1.82	ppb
Chromium	52-2	10.43	10.02	10.00	10.15	2.38	ppb
Cobalt	59-2	4.25	4.07	4.20	4.17	2.17	ppb
Copper	63-2	33.80	33.41	32.44	33.22	2.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				110		%
Indium	115-1				110		%
Indium	115-2				108		%
Iron	56-2	11817.83	11452.93	11455.15	11575.30	1.81	ppb
Iron	57-2	11775.16	11454.87	11169.46	11466.50	2.64	ppb
Krypton	83-1						cps
Lead	206-1	26.67	25.91	26.86	26.48	1.90	ppb
Lead	207-1	25.13	24.05	24.84	24.67	2.28	ppb
Lead	208-1	25.92	25.16	25.97	25.68	1.77	ppb
Lithium	6-1				78		%
Magnesium	24-2	1555.30	1512.62	1497.22	1521.71	1.98	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:23:07	DataFile Name :	058SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	186.54	179.50	177.96	181.33	2.52	ppb
Molybdenum	94-1	4.10	4.01	3.98	4.03	1.47	ppb
Molybdenum	95-1	0.61	0.66	0.62	0.63	3.55	ppb
Molybdenum	96-1	1.11	1.07	1.03	1.07	3.67	ppb
Molybdenum	97-1	0.74	0.73	0.66	0.71	6.09	ppb
Molybdenum	98-1	0.65	0.71	0.58	0.65	10.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	13.08	12.39	12.46	12.64	2.98	ppb
Phosphorus	31-2	741.63	508.01	587.29	612.31	19.40	ppb
Potassium	39-2	601.70	644.98	623.32	623.33	3.47	ppb
Rhodium	103-1				108		%
Rhodium	103-2				110		%
Scandium	45-1				108		%
Scandium	45-2				107		%
Selenium	77-2	18.56	35.98	11.31	21.95	57.76	ppb
Selenium	78-2	7.67	6.47	5.84	6.66	13.94	ppb
Selenium	82-1	2.26	1.06	2.05	1.79	35.88	ppb
Silicon	28-1	133.23	130.76	127.39	130.46	2.25	ppb
Silver	109-1	0.06	0.06	0.09	0.07	21.73	ppb
Silver	107-1	0.08	0.06	0.07	0.07	13.63	ppb
Sodium	23-2	126.22	125.24	124.47	125.31	0.70	ppb
Strontium	86-1	41.07	38.48	39.33	39.63	3.33	ppb
Strontium	88-1	41.92	40.40	40.50	40.94	2.07	ppb
Sulfur	34-1	-5236.45	-6060.49	-5433.27	-5576.74		ppb
Terbium	159-1				110		%
Terbium	159-2				110		%
Thallium	203-1	0.05	0.04	0.06	0.05	21.18	ppb
Thallium	205-1	0.05	0.06	0.05	0.05	7.76	ppb
Tin	118-1	0.34	0.28	0.33	0.32	9.38	ppb
Titanium	47-1	17.45	17.89	17.77	17.70	1.29	ppb
Uranium	238-1	0.61	0.61	0.62	0.61	1.08	ppb
Vanadium	51-2	12.02	10.97	10.99	11.33	5.31	ppb
Yttrium	89-1				114		%
Yttrium	89-2				113		%
Zinc	66-2	44.41	42.98	41.87	43.09	2.96	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:23:07	DataFile Name :	058SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	2.53	2.33	2.42	2.43	4.09	ppb
Zirconium	91-1	2.76	2.47	2.43	2.55	6.91	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-03DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS024-0612-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:26:31 DataFile Name : 059SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12773.53	13225.15	12817.54	12938.74	1.92	ppb
Antimony	121-1	0.11	0.15	0.13	0.13	15.84	ppb
Arsenic	75-2	4.08	4.07	3.54	3.90	7.88	ppb
Barium	135-1	478.41	480.07	491.39	483.29	1.46	ppb
Barium	137-1	484.58	483.16	494.29	487.34	1.24	ppb
Beryllium	9-1	0.82	0.97	0.91	0.90	8.56	ppb
Bismuth	209-1				106		%
Bismuth	209-2				103		%
Boron	10-1	-0.05	0.23	0.81	0.33	133.58	ppb
Boron	11-1	0.56	0.51	1.02	0.69	40.67	ppb
Cadmium	111-1	0.69	0.65	0.77	0.70	8.51	ppb
Cadmium	106-1	0.60	-0.78	0.11	-0.02		ppb
Cadmium	108-1	0.87	0.88	0.76	0.83	8.15	ppb
Calcium	43-1	6959.37	7142.45	7163.88	7088.57	1.59	ppb
Calcium	44-1	7210.02	7312.31	7327.94	7283.42	0.88	ppb
Chromium	52-2	13.71	14.43	13.75	13.96	2.88	ppb
Cobalt	59-2	5.43	5.57	5.34	5.45	2.16	ppb
Copper	63-2	44.19	46.37	45.14	45.23	2.42	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				109		%
Indium	115-1				109		%
Indium	115-2				106		%
Iron	56-2	13846.08	14232.95	14061.84	14046.96	1.38	ppb
Iron	57-2	13937.50	14197.45	13789.46	13974.81	1.48	ppb
Krypton	83-1						cps
Lead	206-1	31.50	31.54	32.14	31.73	1.13	ppb
Lead	207-1	28.57	29.04	28.70	28.77	0.84	ppb
Lead	208-1	30.11	30.21	30.37	30.23	0.44	ppb
Lithium	6-1				76		%
Magnesium	24-2	1721.97	1737.45	1677.37	1712.26	1.82	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-03DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS024-0612-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:26:31 DataFile Name : 059SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	165.88	171.68	170.06	169.21	1.77	ppb
Molybdenum	94-1	6.14	6.24	6.33	6.24	1.47	ppb
Molybdenum	95-1	0.86	0.97	0.83	0.89	7.71	ppb
Molybdenum	96-1	1.60	1.63	1.66	1.63	1.66	ppb
Molybdenum	97-1	0.80	1.03	0.97	0.93	12.87	ppb
Molybdenum	98-1	0.96	0.95	0.91	0.94	2.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.07	15.17	15.31	15.19	0.78	ppb
Phosphorus	31-2	651.99	937.88	589.47	726.44	25.57	ppb
Potassium	39-2	531.76	539.47	573.73	548.32	4.07	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	77-2	50.22	18.72	22.78	30.57	56.05	ppb
Selenium	78-2	7.66	8.90	7.30	7.95	10.52	ppb
Selenium	82-1	2.28	3.61	2.55	2.81	24.88	ppb
Silicon	28-1	295.72	307.38	297.22	300.11	2.11	ppb
Silver	109-1	0.07	0.07	0.06	0.07	6.25	ppb
Silver	107-1	0.05	0.06	0.08	0.07	24.47	ppb
Sodium	23-2	139.62	138.16	129.15	135.64	4.18	ppb
Strontium	86-1	62.97	62.13	63.90	63.00	1.41	ppb
Strontium	88-1	63.27	63.92	63.79	63.66	0.55	ppb
Sulfur	34-1	-4191.55	-3356.88	-3772.43	-3773.62		ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.07	0.10	0.07	0.08	20.09	ppb
Thallium	205-1	0.09	0.08	0.09	0.09	2.94	ppb
Tin	118-1	0.37	0.40	0.40	0.39	4.65	ppb
Titanium	47-1	27.14	28.83	27.66	27.88	3.09	ppb
Uranium	238-1	0.88	0.93	0.91	0.91	3.29	ppb
Vanadium	51-2	15.90	16.13	15.99	16.01	0.71	ppb
Yttrium	89-1				114		%
Yttrium	89-2				111		%
Zinc	66-2	53.40	55.78	52.97	54.05	2.80	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:26:31	DataFile Name :	059SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	3.74	3.78	3.73	3.75	0.80	ppb
Zirconium	91-1	3.52	3.79	3.61	3.64	3.66	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-04DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS024-1218-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:29:54 DataFile Name : 060SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	13862.80	13922.89	14489.95	14091.88	2.46	ppb
Antimony	121-1	0.13	0.14	0.14	0.14	3.09	ppb
Arsenic	75-2	7.19	6.63	6.66	6.83	4.57	ppb
Barium	135-1	492.38	510.72	481.61	494.90	2.97	ppb
Barium	137-1	497.05	514.83	489.01	500.30	2.64	ppb
Beryllium	9-1	0.89	0.99	0.97	0.95	5.58	ppb
Bismuth	209-1				103		%
Bismuth	209-2				104		%
Boron	10-1	0.94	-0.05	0.07	0.32	168.32	ppb
Boron	11-1	0.89	1.14	0.77	0.93	20.11	ppb
Cadmium	111-1	0.66	0.73	0.53	0.64	15.67	ppb
Cadmium	106-1	0.56	1.30	-0.59	0.43	224.06	ppb
Cadmium	108-1	1.17	1.53	0.75	1.15	33.69	ppb
Calcium	43-1	7657.16	7876.13	7582.59	7705.29	1.98	ppb
Calcium	44-1	7920.92	8189.53	7849.41	7986.62	2.25	ppb
Chromium	52-2	15.14	15.46	16.36	15.65	4.04	ppb
Cobalt	59-2	8.25	8.17	8.53	8.32	2.24	ppb
Copper	63-2	49.48	49.95	53.30	50.91	4.09	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				108		%
Holmium	165-2				107		%
Indium	115-1				107		%
Indium	115-2				106		%
Iron	56-2	21009.00	21428.92	22098.35	21512.09	2.55	ppb
Iron	57-2	20776.02	21194.55	22002.72	21324.43	2.92	ppb
Krypton	83-1						cps
Lead	206-1	49.27	50.57	47.75	49.20	2.87	ppb
Lead	207-1	45.34	46.63	45.10	45.69	1.80	ppb
Lead	208-1	47.02	48.55	46.50	47.36	2.25	ppb
Lithium	6-1				75		%
Magnesium	24-2	2880.64	2838.54	2986.45	2901.88	2.63	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:29:54	DataFile Name :	060SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	504.67	516.53	536.09	519.10	3.06	ppb
Molybdenum	94-1	7.84	7.74	7.87	7.82	0.91	ppb
Molybdenum	95-1	1.08	1.15	1.06	1.10	4.31	ppb
Molybdenum	96-1	1.83	1.86	1.88	1.86	1.42	ppb
Molybdenum	97-1	1.13	1.22	1.15	1.16	3.97	ppb
Molybdenum	98-1	1.13	1.16	1.06	1.12	4.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	19.90	19.61	20.91	20.14	3.40	ppb
Phosphorus	31-2	746.40	836.86	735.23	772.83	7.21	ppb
Potassium	39-2	651.15	644.75	677.38	657.76	2.63	ppb
Rhodium	103-1				106		%
Rhodium	103-2				108		%
Scandium	45-1				105		%
Scandium	45-2				104		%
Selenium	77-2	21.70	32.49	15.26	23.15	37.60	ppb
Selenium	78-2	6.97	7.05	4.84	6.29	19.97	ppb
Selenium	82-1	2.53	1.41	3.37	2.44	40.34	ppb
Silicon	28-1	548.83	571.31	536.77	552.30	3.17	ppb
Silver	109-1	0.08	0.08	0.05	0.07	24.78	ppb
Silver	107-1	0.08	0.05	0.06	0.07	23.42	ppb
Sodium	23-2	126.61	120.28	129.56	125.49	3.78	ppb
Strontium	86-1	68.28	70.22	68.01	68.84	1.75	ppb
Strontium	88-1	71.12	73.04	69.66	71.27	2.38	ppb
Sulfur	34-1	-5561.58	-4667.42	-5535.38	-5254.79		ppb
Terbium	159-1				108		%
Terbium	159-2				108		%
Thallium	203-1	0.11	0.08	0.08	0.09	16.12	ppb
Thallium	205-1	0.12	0.08	0.09	0.09	20.61	ppb
Tin	118-1	0.44	0.51	0.49	0.48	7.72	ppb
Titanium	47-1	27.94	27.95	26.86	27.58	2.27	ppb
Uranium	238-1	0.81	0.85	0.84	0.83	2.23	ppb
Vanadium	51-2	20.67	20.81	21.62	21.03	2.44	ppb
Yttrium	89-1				111		%
Yttrium	89-2				112		%
Zinc	66-2	68.52	71.61	71.30	70.48	2.42	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:29:54	DataFile Name :	060SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	4.66	4.84	4.49	4.66	3.71	ppb
Zirconium	91-1	4.57	4.83	4.71	4.71	2.78	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-06DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-0006-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:33:18 DataFile Name : 061SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12783.94	12901.10	12732.79	12805.95	0.67	ppb
Antimony	121-1	0.10	0.12	0.10	0.11	8.22	ppb
Arsenic	75-2	4.42	4.33	4.36	4.37	1.10	ppb
Barium	135-1	355.89	357.61	351.00	354.84	0.97	ppb
Barium	137-1	364.66	359.91	355.74	360.10	1.24	ppb
Beryllium	9-1	0.76	0.74	0.75	0.75	0.93	ppb
Bismuth	209-1				108		%
Bismuth	209-2				102		%
Boron	10-1	-0.22	0.49	-0.03	0.08	461.69	ppb
Boron	11-1	0.09	0.59	0.47	0.38	68.24	ppb
Cadmium	111-1	0.46	0.35	0.41	0.41	13.12	ppb
Cadmium	106-1	0.16	-2.88	-0.59	-1.10		ppb
Cadmium	108-1	0.80	0.36	0.98	0.71	44.49	ppb
Calcium	43-1	5052.72	5165.36	5069.97	5096.01	1.19	ppb
Calcium	44-1	5151.20	5283.10	5269.69	5234.67	1.39	ppb
Chromium	52-2	12.90	13.53	13.57	13.34	2.82	ppb
Cobalt	59-2	6.78	7.15	6.87	6.93	2.76	ppb
Copper	63-2	36.44	36.47	36.91	36.61	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				106		%
Indium	115-1				110		%
Indium	115-2				104		%
Iron	56-2	18372.45	18209.54	18415.09	18332.36	0.59	ppb
Iron	57-2	18139.41	18229.45	18106.15	18158.33	0.35	ppb
Krypton	83-1						cps
Lead	206-1	31.44	32.43	31.19	31.69	2.07	ppb
Lead	207-1	29.01	29.36	28.14	28.84	2.17	ppb
Lead	208-1	30.23	30.96	29.70	30.30	2.10	ppb
Lithium	6-1				75		%
Magnesium	24-2	2456.25	2465.89	2386.07	2436.07	1.79	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:33:18	DataFile Name :	061SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	407.27	412.25	408.63	409.38	0.63	ppb
Molybdenum	94-1	4.77	5.09	4.84	4.90	3.46	ppb
Molybdenum	95-1	0.88	0.96	0.80	0.88	9.12	ppb
Molybdenum	96-1	1.41	1.37	1.42	1.40	1.81	ppb
Molybdenum	97-1	1.04	0.81	0.85	0.90	13.38	ppb
Molybdenum	98-1	0.78	0.90	0.91	0.87	8.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.20	16.49	16.97	16.55	2.34	ppb
Phosphorus	31-2	873.83	729.30	791.61	798.25	9.08	ppb
Potassium	39-2	590.22	575.28	587.15	584.22	1.35	ppb
Rhodium	103-1				110		%
Rhodium	103-2				107		%
Scandium	45-1				106		%
Scandium	45-2				103		%
Selenium	77-2	50.50	19.25	37.74	35.83	43.85	ppb
Selenium	78-2	5.96	8.53	4.98	6.49	28.24	ppb
Selenium	82-1	2.28	3.62	2.90	2.93	22.89	ppb
Silicon	28-1	99.45	103.82	102.29	101.85	2.18	ppb
Silver	109-1	0.11	0.09	0.09	0.09	12.06	ppb
Silver	107-1	0.09	0.08	0.10	0.09	8.87	ppb
Sodium	23-2	116.50	118.74	113.74	116.33	2.15	ppb
Strontium	86-1	43.99	45.72	46.10	45.27	2.49	ppb
Strontium	88-1	46.26	47.10	46.74	46.70	0.90	ppb
Sulfur	34-1	-7160.85	-6444.84	-6451.72	-6685.80		ppb
Terbium	159-1				112		%
Terbium	159-2				106		%
Thallium	203-1	0.07	0.10	0.07	0.08	21.64	ppb
Thallium	205-1	0.08	0.11	0.09	0.09	18.83	ppb
Tin	118-1	0.21	0.22	0.25	0.23	10.15	ppb
Titanium	47-1	17.63	18.69	18.70	18.34	3.34	ppb
Uranium	238-1	0.68	0.67	0.73	0.69	4.76	ppb
Vanadium	51-2	16.70	16.32	16.36	16.46	1.26	ppb
Yttrium	89-1				114		%
Yttrium	89-2				109		%
Zinc	66-2	48.33	50.28	48.26	48.96	2.34	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:33:18	DataFile Name :	061SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	2.88	2.99	2.94	2.94	1.80	ppb
Zirconium	91-1	2.85	2.80	2.79	2.81	1.22	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-07DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-0612-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:36:41 DataFile Name : 062SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14808.22	14438.78	14654.62	14633.87	1.27	ppb
Antimony	121-1	0.08	0.07	0.09	0.08	13.78	ppb
Arsenic	75-2	6.04	5.55	6.02	5.87	4.69	ppb
Barium	135-1	442.46	439.27	440.67	440.80	0.36	ppb
Barium	137-1	444.95	445.09	439.71	443.25	0.69	ppb
Beryllium	9-1	0.95	0.91	0.91	0.92	2.29	ppb
Bismuth	209-1				107		%
Bismuth	209-2				102		%
Boron	10-1	1.15	-0.40	0.51	0.42	185.87	ppb
Boron	11-1	0.65	1.38	0.83	0.95	39.90	ppb
Cadmium	111-1	0.26	0.36	0.29	0.30	15.67	ppb
Cadmium	106-1	-1.44	-0.98	-0.35	-0.92		ppb
Cadmium	108-1	0.54	0.41	1.04	0.66	49.91	ppb
Calcium	43-1	9818.42	9793.94	9470.45	9694.27	2.00	ppb
Calcium	44-1	10025.53	9890.73	9638.87	9851.71	1.99	ppb
Chromium	52-2	15.89	15.35	15.74	15.66	1.79	ppb
Cobalt	59-2	8.44	8.31	8.42	8.39	0.81	ppb
Copper	63-2	39.35	37.83	38.40	38.53	1.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				106		%
Indium	115-1				110		%
Indium	115-2				104		%
Iron	56-2	19779.99	19357.08	19679.89	19605.66	1.13	ppb
Iron	57-2	19754.57	19128.69	19563.14	19482.13	1.65	ppb
Krypton	83-1						cps
Lead	206-1	51.32	51.84	51.78	51.65	0.55	ppb
Lead	207-1	47.28	48.58	48.20	48.02	1.39	ppb
Lead	208-1	49.29	50.33	49.99	49.87	1.06	ppb
Lithium	6-1				77		%
Magnesium	24-2	3404.25	3252.36	3338.08	3331.56	2.29	ppb

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-07DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-0612-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:36:41 DataFile Name : 062SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	707.90	685.38	704.85	699.38	1.75	ppb
Molybdenum	94-1	5.09	5.16	5.42	5.22	3.32	ppb
Molybdenum	95-1	0.74	0.79	0.81	0.78	4.43	ppb
Molybdenum	96-1	1.39	1.50	1.43	1.44	3.63	ppb
Molybdenum	97-1	0.70	0.87	0.76	0.78	11.21	ppb
Molybdenum	98-1	0.79	0.79	0.73	0.77	4.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	17.92	17.65	18.06	17.88	1.14	ppb
Phosphorus	31-2	804.01	758.63	882.07	814.90	7.66	ppb
Potassium	39-2	491.13	440.98	467.86	466.66	5.38	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				107		%
Scandium	45-2				102		%
Selenium	77-2	40.70	40.81	43.82	41.78	4.23	ppb
Selenium	78-2	8.45	6.10	7.19	7.25	16.27	ppb
Selenium	82-1	2.87	1.01	1.69	1.86	50.66	ppb
Silicon	28-1	212.67	199.11	195.09	202.29	4.55	ppb
Silver	109-1	0.09	0.09	0.10	0.09	8.25	ppb
Silver	107-1	0.09	0.10	0.12	0.11	13.60	ppb
Sodium	23-2	194.01	172.41	180.99	182.47	5.96	ppb
Strontium	86-1	82.77	84.02	82.19	82.99	1.13	ppb
Strontium	88-1	84.56	85.30	84.22	84.69	0.65	ppb
Sulfur	34-1	-6070.69	-6263.36	-6806.37	-6380.14		ppb
Terbium	159-1				111		%
Terbium	159-2				106		%
Thallium	203-1	0.13	0.11	0.10	0.11	9.89	ppb
Thallium	205-1	0.11	0.11	0.10	0.11	6.97	ppb
Tin	118-1	0.31	0.31	0.31	0.31	1.14	ppb
Titanium	47-1	16.84	16.20	16.05	16.36	2.53	ppb
Uranium	238-1	0.82	0.81	0.83	0.82	1.09	ppb
Vanadium	51-2	19.69	19.19	19.78	19.55	1.64	ppb
Yttrium	89-1				114		%
Yttrium	89-2				110		%
Zinc	66-2	49.92	47.79	48.54	48.75	2.21	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:36:41	DataFile Name :	062SMPL_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	3.08	3.14	3.23	3.15	2.39	ppb
Zirconium	91-1	3.25	2.90	2.92	3.02	6.45	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P8
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:40:05	DataFile Name :	063CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49985.82	50020.79	50208.07	50071.56	0.24	ppb
Antimony	121-1	499.27	508.24	502.52	503.35	0.90	ppb
Arsenic	75-2	496.69	502.65	498.89	499.41	0.60	ppb
Barium	135-1	2540.07	2621.05	2567.87	2576.33	1.60	ppb
Barium	137-1	2536.13	2573.10	2541.69	2550.30	0.78	ppb
Beryllium	9-1	562.99	565.44	562.60	563.68	0.27	ppb
Bismuth	209-1				107		%
Bismuth	209-2				106		%
Boron	10-1	565.33	580.37	563.51	569.74	1.62	ppb
Boron	11-1	564.73	569.80	572.90	569.14	0.72	ppb
Cadmium	111-1	495.54	502.38	496.71	498.21	0.73	ppb
Cadmium	106-1	499.74	503.67	492.85	498.75	1.10	ppb
Cadmium	108-1	489.71	500.10	485.69	491.83	1.51	ppb
Calcium	43-1	233295.14	236064.54	239024.75	236128.15	1.21	ppb
Calcium	44-1	235256.81	236638.87	237767.01	236554.23	0.53	ppb
Chromium	52-2	516.50	511.45	520.15	516.03	0.85	ppb
Cobalt	59-2	513.25	505.93	516.05	511.74	1.02	ppb
Copper	63-2	1002.07	990.97	1012.76	1001.93	1.09	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				115		%
Holmium	165-2				114		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	125899.54	124590.33	126781.17	125757.01	0.88	ppb
Iron	57-2	130059.74	126789.80	128643.55	128497.70	1.28	ppb
Krypton	83-1						cps
Lead	206-1	506.61	506.77	505.99	506.46	0.08	ppb
Lead	207-1	503.90	506.39	502.73	504.34	0.37	ppb
Lead	208-1	512.58	515.12	514.85	514.18	0.27	ppb
Lithium	6-1				83		%
Magnesium	24-2	243799.65	244504.44	246599.95	244968.01	0.59	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P8
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:40:05	DataFile Name :	063CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1022.21	1018.03	1024.67	1021.64	0.33	ppb
Molybdenum	94-1	2545.83	2565.94	2582.51	2564.76	0.72	ppb
Molybdenum	95-1	2551.06	2566.20	2540.85	2552.70	0.50	ppb
Molybdenum	96-1	2531.58	2580.68	2544.43	2552.23	1.00	ppb
Molybdenum	97-1	2545.38	2599.18	2547.28	2563.95	1.19	ppb
Molybdenum	98-1	2532.48	2579.81	2521.56	2544.62	1.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	510.35	504.86	512.90	509.37	0.81	ppb
Phosphorus	31-2	9302.29	10034.41	10333.16	9889.95	5.36	ppb
Potassium	39-2	125971.97	125229.69	125734.72	125645.46	0.30	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				113		%
Scandium	45-2				109		%
Selenium	77-2	480.29	424.63	504.34	469.75	8.70	ppb
Selenium	78-2	515.00	520.52	515.63	517.05	0.58	ppb
Selenium	82-1	485.54	489.51	482.32	485.79	0.74	ppb
Silicon	28-1	466.62	474.15	483.81	474.86	1.81	ppb
Silver	109-1	491.82	505.02	490.19	495.68	1.64	ppb
Silver	107-1	494.17	493.44	491.61	493.07	0.27	ppb
Sodium	23-2	247210.27	246355.14	246418.25	246661.22	0.19	ppb
Strontium	86-1	496.77	498.74	500.25	498.59	0.35	ppb
Strontium	88-1	500.72	512.89	514.63	509.41	1.49	ppb
Sulfur	34-1	9129.86	9084.35	9223.55	9145.92	0.78	ppb
Terbium	159-1				115		%
Terbium	159-2				114		%
Thallium	203-1	517.48	522.23	512.51	517.41	0.94	ppb
Thallium	205-1	524.80	527.58	519.27	523.88	0.81	ppb
Tin	118-1	509.41	512.43	505.36	509.07	0.70	ppb
Titanium	47-1	2576.97	2580.47	2565.45	2574.29	0.31	ppb
Uranium	238-1	522.71	523.20	522.45	522.79	0.07	ppb
Vanadium	51-2	513.04	508.97	513.48	511.83	0.49	ppb
Yttrium	89-1				114		%
Yttrium	89-2				112		%
Zinc	66-2	1011.13	992.35	1016.77	1006.75	1.27	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P8
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:40:05	DataFile Name :	063CCV_P8122118 MS.I

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	512.03	518.67	513.24	514.65	0.69	ppb
Zirconium	91-1	500.31	506.83	505.98	504.37	0.70	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P8
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:43:18	DataFile Name :	064CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.93	-1.66	-0.11	-0.90		ppb
Antimony	121-1	0.27	0.28	0.30	0.28	5.03	ppb
Arsenic	75-2	0.03	0.08	0.02	0.04	71.50	ppb
Barium	135-1	0.00	0.00	-0.02	-0.01		ppb
Barium	137-1	0.01	0.02	0.01	0.02	32.52	ppb
Beryllium	9-1	0.10	0.03	0.05	0.06	64.99	ppb
Bismuth	209-1				111		%
Bismuth	209-2				109		%
Boron	10-1	7.28	6.54	5.29	6.37	15.77	ppb
Boron	11-1	6.40	6.39	5.59	6.13	7.54	ppb
Cadmium	111-1	-0.15	-0.09	-0.14	-0.13		ppb
Cadmium	106-1	-2.21	-1.47	-1.80	-1.83		ppb
Cadmium	108-1	-0.14	-0.10	0.03	-0.07		ppb
Calcium	43-1	-10.20	-10.06	-10.12	-10.13		ppb
Calcium	44-1	-26.45	-16.33	-18.77	-20.52		ppb
Chromium	52-2	-0.12	-0.14	-0.12	-0.12		ppb
Cobalt	59-2	-0.03	-0.04	-0.03	-0.03		ppb
Copper	63-2	0.05	0.01	0.04	0.03	55.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				112		%
Indium	115-1				111		%
Indium	115-2				108		%
Iron	56-2	1.10	0.80	0.65	0.85	27.07	ppb
Iron	57-2	3.65	2.35	0.88	2.30	60.32	ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.05	0.05	0.06	19.67	ppb
Lead	207-1	0.09	0.08	0.09	0.09	4.79	ppb
Lead	208-1	0.08	0.08	0.07	0.08	9.92	ppb
Lithium	6-1				87		%
Magnesium	24-2	0.33	2.53	3.22	2.02	74.51	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P8
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:43:18	DataFile Name :	064CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.01	-0.03	-0.02	-0.02		ppb
Molybdenum	94-1	0.13	0.15	0.16	0.15	8.80	ppb
Molybdenum	95-1	0.16	0.19	0.17	0.17	10.76	ppb
Molybdenum	96-1	0.16	0.15	0.15	0.15	3.15	ppb
Molybdenum	97-1	0.15	0.18	0.11	0.15	26.34	ppb
Molybdenum	98-1	0.16	0.14	0.14	0.14	6.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	-0.01	-0.02	-0.03		ppb
Phosphorus	31-2	-45.02	-32.72	-58.37	-45.37		ppb
Potassium	39-2	7.59	-4.28	-6.51	-1.07		ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				108		%
Scandium	45-2				105		%
Selenium	77-2	1.08	-2.58	-2.58	-1.36		ppb
Selenium	78-2	-0.44	-0.44	0.16	-0.24		ppb
Selenium	82-1	0.03	0.38	0.31	0.24	76.38	ppb
Silicon	28-1	-18.61	-14.46	-15.29	-16.12		ppb
Silver	109-1	0.05	0.05	0.04	0.04	13.37	ppb
Silver	107-1	0.02	0.03	0.03	0.03	19.51	ppb
Sodium	23-2	103.18	77.08	80.19	86.82	16.42	ppb
Strontium	86-1	-0.03	0.01	0.09	0.02	275.88	ppb
Strontium	88-1	0.01	0.00	0.00	0.00	89.58	ppb
Sulfur	34-1	-4848.02	-3521.42	-3807.84	-4059.09		ppb
Terbium	159-1				111		%
Terbium	159-2				111		%
Thallium	203-1	0.11	0.08	0.10	0.10	15.16	ppb
Thallium	205-1	0.08	0.09	0.07	0.08	11.03	ppb
Tin	118-1	0.01	0.08	0.03	0.04	90.89	ppb
Titanium	47-1	0.00	-0.06	-0.07	-0.04		ppb
Uranium	238-1	-0.01	-0.01	-0.01	-0.01		ppb
Vanadium	51-2	-0.01	-0.01	0.01	0.00		ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	-0.76	-0.89	-0.91	-0.85		ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P8
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:43:18	DataFile Name :	064CCBE_P8122118 MS

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.04	0.03	0.04	0.03	13.48	ppb
Zirconium	91-1	0.02	0.01	0.01	0.01	69.54	ppb

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:15:15	DataFile Name :	003CALB_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33	40	53	42	24.24	cps
Antimony	121-1	58	100	50	69	38.58	cps
Arsenic	75-2	0	6	4	3	91.69	cps
Barium	135-1	83	42	58	61	34.32	cps
Barium	137-1	108	58	67	78	34.44	cps
Beryllium	9-1	17	27	33	26	32.81	cps
Bismuth	209-1	2967499	2943758	2984867	2965375	0.70	cps
Bismuth	209-2	1128188	1092246	1197923	1139453	4.72	cps
Boron	10-1	308	233	292	278	14.18	cps
Boron	11-1	1192	1250	1267	1236	3.19	cps
Cadmium	111-1	1149	1204	1137	1163	3.06	cps
Cadmium	106-1	1642	1709	1625	1659	2.66	cps
Cadmium	108-1	13	13	13	13	0.00	cps
Calcium	43-1	570	527	513	537	5.52	cps
Calcium	44-1	56761	57336	60168	58089	3.14	cps
Chromium	52-2	1440	1360	1470	1423	4.00	cps
Cobalt	59-2	120	103	100	108	9.94	cps
Copper	63-2	210	270	213	231	14.59	cps
Dysprosium	156-1	17	25	25	22	21.64	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	33	0	17	17	99.99	cps
Erbium	164-2	3	0	13	6	124.93	cps
Gadolinium	160-1	50	17	33	33	50.00	cps
Gadolinium	160-2	3	10	3	6	69.34	cps
Holmium	165-1	5008389	5007740	5029783	5015304	0.25	cps
Holmium	165-2	1576728	1532354	1673441	1594174	4.53	cps
Indium	115-1	4691555	4784136	4727593	4734428	0.99	cps
Indium	115-2	320289	311741	339828	323953	4.44	cps
Iron	56-2	2656	2545	2511	2571	2.94	cps
Iron	57-2	72	78	61	70	12.06	cps
Krypton	83-1	747	680	690	706	5.10	cps
Lead	206-1	239	278	250	256	7.84	cps
Lead	207-1	172	267	194	211	23.39	cps
Lead	208-1	856	1089	1022	989	12.15	cps
Lithium	6-1	496622	497179	503234	499012	0.73	cps
Magnesium	24-2	158	217	192	189	15.49	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:15:15	DataFile Name :	003CALB_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	50	43	57	50	13.34	cps
Molybdenum	94-1	183	175	208	189	9.18	cps
Molybdenum	95-1	58	75	8	47	73.48	cps
Molybdenum	96-1	67	108	142	106	35.60	cps
Molybdenum	97-1	158	200	208	189	14.18	cps
Molybdenum	98-1	42	92	58	64	39.85	cps
Neodymium	150-1	0	7	13	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	110	40	123	91	49.13	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	5876	5443	5560	5626	3.99	cps
Rhodium	103-1	4867879	4933584	4890741	4897401	0.68	cps
Rhodium	103-2	1753430	1718873	1880487	1784263	4.77	cps
Scandium	45-1	3533755	3532356	3583289	3549800	0.82	cps
Scandium	45-2	45353	41976	47744	45025	6.44	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	4	0	0	1	173.21	cps
Selenium	82-1	-202	-120	-133	-152	-29.23	cps
Silicon	28-1	355593	353738	352580	353971	0.43	cps
Silver	109-1	50	33	58	47	26.97	cps
Silver	107-1	108	50	67	75	40.06	cps
Sodium	23-2	12848	12247	12014	12370	3.48	cps
Strontium	86-1	892	825	750	822	8.62	cps
Strontium	88-1	83	142	133	119	26.41	cps
Sulfur	34-1	478723	477558	481230	479170	0.39	cps
Terbium	159-1	5203883	5317837	5273904	5265208	1.09	cps
Terbium	159-2	1596744	1526497	1681496	1601579	4.85	cps
Thallium	203-1	42	25	50	39	32.73	cps
Thallium	205-1	100	108	83	97	13.09	cps
Tin	118-1	250	217	225	231	7.52	cps
Titanium	47-1	125	133	183	147	21.43	cps
Uranium	238-1	125	125	158	136	14.14	cps
Vanadium	51-2	20	17	13	17	20.01	cps
Yttrium	89-1	5336893	5340012	5412043	5362983	0.79	cps
Yttrium	89-2	259094	252139	276587	262607	4.80	cps
Zinc	66-2	293	237	270	267	10.68	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:15:15	DataFile Name :	003CALB_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	350	325	358	344	5.04	cps
Zirconium	91-1	92	100	117	103	12.38	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:22:41	DataFile Name :	005CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	200	128	223	183	27.08	cps
Antimony	121-1	10021	10263	10088	10124	1.23	cps
Arsenic	75-2	98	102	131	110	16.53	cps
Barium	135-1	10379	10505	10571	10485	0.93	cps
Barium	137-1	18422	18280	18038	18247	1.06	cps
Beryllium	9-1	810	623	663	699	14.06	cps
Bismuth	209-1	3057463	3150192	3082106	3096587	1.55	cps
Bismuth	209-2	1206467	1195196	1177620	1193094	1.22	cps
Boron	10-1	2167	2334	2342	2281	4.33	cps
Boron	11-1	11580	11839	12189	11869	2.57	cps
Cadmium	111-1	2423	2418	2659	2500	5.52	cps
Cadmium	106-1	1775	1867	2092	1911	8.53	cps
Cadmium	108-1	129	92	108	110	17.12	cps
Calcium	43-1	7659	7726	8209	7865	3.82	cps
Calcium	44-1	180762	175266	171704	175911	2.59	cps
Chromium	52-2	3010	3317	3157	3162	4.85	cps
Cobalt	59-2	1920	1827	1960	1902	3.60	cps
Copper	63-2	3324	3477	3387	3396	2.27	cps
Dysprosium	156-1	17	17	17	17	0.00	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	0	42	17	19	107.85	cps
Erbium	164-2	3	3	0	2	86.60	cps
Gadolinium	160-1	25	50	50	42	34.64	cps
Gadolinium	160-2	17	3	7	9	78.08	cps
Holmium	165-1	5286240	5332263	5247943	5288815	0.80	cps
Holmium	165-2	1689291	1661982	1638508	1663260	1.53	cps
Indium	115-1	4829874	4998196	4931450	4919840	1.72	cps
Indium	115-2	337855	330761	324139	330918	2.07	cps
Iron	56-2	36437	35836	36019	36097	0.85	cps
Iron	57-2	761	978	917	885	12.62	cps
Krypton	83-1	707	693	733	711	2.86	cps
Lead	206-1	2828	2784	2706	2773	2.23	cps
Lead	207-1	2350	2606	2623	2526	6.04	cps
Lead	208-1	10991	11502	11230	11241	2.28	cps
Lithium	6-1	468121	496166	479613	481300	2.93	cps
Magnesium	24-2	18212	17069	17320	17534	3.43	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:22:41	DataFile Name :	005CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	377	353	373	368	3.43	cps
Molybdenum	94-1	10121	10363	10354	10279	1.34	cps
Molybdenum	95-1	12648	12798	12464	12637	1.32	cps
Molybdenum	96-1	14291	14592	13924	14269	2.34	cps
Molybdenum	97-1	7978	7994	8028	8000	0.32	cps
Molybdenum	98-1	19982	20333	19657	19991	1.69	cps
Neodymium	150-1	13	7	0	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	683	660	543	629	11.93	cps
Phosphorus	31-2	92	42	50	61	43.83	cps
Potassium	39-2	15518	15142	14592	15084	3.09	cps
Rhodium	103-1	4993124	5254253	5104216	5117198	2.56	cps
Rhodium	103-2	1853575	1842059	1837417	1844351	0.45	cps
Scandium	45-1	3717587	3834988	3719830	3757468	1.79	cps
Scandium	45-2	46450	46249	45848	46182	0.66	cps
Selenium	77-2	7	13	3	8	65.47	cps
Selenium	78-2	28	7	19	18	56.97	cps
Selenium	82-1	274	317	295	295	7.28	cps
Silicon	28-1	379675	389544	385656	384958	1.29	cps
Silver	109-1	5993	5601	5851	5815	3.41	cps
Silver	107-1	6010	6460	6018	6163	4.18	cps
Sodium	23-2	50181	52047	50508	50912	1.96	cps
Strontium	86-1	2267	2242	2525	2345	6.69	cps
Strontium	88-1	12773	12823	13315	12971	2.31	cps
Sulfur	34-1	484597	494526	488036	489053	1.03	cps
Terbium	159-1	5532139	5663500	5447046	5547562	1.97	cps
Terbium	159-2	1688679	1686508	1675115	1683434	0.43	cps
Thallium	203-1	3292	2967	3259	3173	5.64	cps
Thallium	205-1	7478	7594	7528	7533	0.78	cps
Tin	118-1	19023	18789	18580	18797	1.18	cps
Titanium	47-1	3959	4184	4051	4065	2.78	cps
Uranium	238-1	9587	9137	8954	9226	3.53	cps
Vanadium	51-2	3237	3477	3170	3295	4.90	cps
Yttrium	89-1	5493666	5711285	5642800	5615917	1.98	cps
Yttrium	89-2	272413	273766	269939	272039	0.71	cps
Zinc	66-2	583	533	527	548	5.65	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:22:41	DataFile Name :	005CALS_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	8278	8336	8503	8372	1.40	cps
Zirconium	91-1	2042	1950	1809	1934	6.08	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:26:29	DataFile Name :	006CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8430	8377	8525	8444	0.89	cps
Antimony	121-1	282152	280932	278435	280506	0.68	cps
Arsenic	75-2	5794	5772	5733	5766	0.54	cps
Barium	135-1	279109	275836	273038	275994	1.10	cps
Barium	137-1	486795	479229	474617	480214	1.28	cps
Beryllium	9-1	36015	36379	35731	36042	0.90	cps
Bismuth	209-1	3045171	3144209	3019712	3069697	2.14	cps
Bismuth	209-2	1195477	1163523	1222453	1193818	2.47	cps
Boron	10-1	4934	5026	5151	5037	2.16	cps
Boron	11-1	24038	24204	25173	24472	2.50	cps
Cadmium	111-1	68922	68380	67541	68281	1.02	cps
Cadmium	106-1	9270	8895	8753	8973	2.98	cps
Cadmium	108-1	5214	4818	4959	4997	4.02	cps
Calcium	43-1	82561	82481	82228	82423	0.21	cps
Calcium	44-1	1399345	1386111	1411348	1398934	0.90	cps
Chromium	52-2	48979	50143	49972	49698	1.26	cps
Cobalt	59-2	93951	96109	94786	94949	1.15	cps
Copper	63-2	162865	164879	163580	163774	0.62	cps
Dysprosium	156-1	25	25	25	25	0.00	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	33	25	17	25	33.32	cps
Erbium	164-2	3	3	0	2	86.60	cps
Gadolinium	160-1	50	42	42	44	10.82	cps
Gadolinium	160-2	7	10	17	11	45.82	cps
Holmium	165-1	5303230	5340467	5190222	5277973	1.48	cps
Holmium	165-2	1681575	1609195	1714274	1668348	3.22	cps
Indium	115-1	4889886	5049774	4904863	4948174	1.78	cps
Indium	115-2	334823	322139	338592	331851	2.60	cps
Iron	56-2	1727693	1721643	1728661	1725999	0.22	cps
Iron	57-2	42878	44176	42504	43186	2.03	cps
Krypton	83-1	683	717	697	699	2.40	cps
Lead	206-1	136301	135240	134061	135201	0.83	cps
Lead	207-1	121937	121118	120900	121318	0.45	cps
Lead	208-1	551222	545901	542072	546398	0.84	cps
Lithium	6-1	492318	474884	482118	483107	1.81	cps
Magnesium	24-2	196130	199263	197802	197732	0.79	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:26:29	DataFile Name :	006CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	29742	29899	29842	29828	0.27	cps
Molybdenum	94-1	543050	535361	536367	538259	0.78	cps
Molybdenum	95-1	662495	654965	653341	656934	0.74	cps
Molybdenum	96-1	741747	734737	735909	737465	0.51	cps
Molybdenum	97-1	414052	409573	408096	410574	0.76	cps
Molybdenum	98-1	1047274	1042490	1035757	1041840	0.56	cps
Neodymium	150-1	47	27	33	36	28.64	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	28332	29475	28820	28876	1.99	cps
Phosphorus	31-2	708	800	608	706	13.59	cps
Potassium	39-2	58548	57527	58523	58199	1.00	cps
Rhodium	103-1	4940763	5179192	5021613	5047189	2.40	cps
Rhodium	103-2	1835660	1788551	1885871	1836694	2.65	cps
Scandium	45-1	3771112	3772082	3748511	3763902	0.35	cps
Scandium	45-2	45765	45417	45885	45689	0.53	cps
Selenium	77-2	33	40	33	36	10.83	cps
Selenium	78-2	157	187	194	180	10.91	cps
Selenium	82-1	4597	4683	4567	4616	1.30	cps
Silicon	28-1	555469	559046	564498	559671	0.81	cps
Silver	109-1	313669	313507	306242	311139	1.36	cps
Silver	107-1	331787	326857	327903	328849	0.79	cps
Sodium	23-2	429853	439427	431784	433688	1.17	cps
Strontium	86-1	82307	82215	80949	81823	0.93	cps
Strontium	88-1	701773	704320	707554	704549	0.41	cps
Sulfur	34-1	525621	520571	518253	521482	0.72	cps
Terbium	159-1	5494216	5630817	5491442	5538825	1.44	cps
Terbium	159-2	1665645	1652962	1744970	1687859	2.95	cps
Thallium	203-1	167475	166860	167467	167268	0.21	cps
Thallium	205-1	401467	397189	398219	398958	0.56	cps
Tin	118-1	198183	195747	193161	195697	1.28	cps
Titanium	47-1	206638	198995	199763	201799	2.09	cps
Uranium	238-1	481838	492274	487785	487299	1.07	cps
Vanadium	51-2	34005	33798	33928	33910	0.31	cps
Yttrium	89-1	5532249	5754944	5618542	5635245	1.99	cps
Yttrium	89-2	270283	264701	275202	270062	1.95	cps
Zinc	66-2	17675	17117	17354	17382	1.61	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:26:29	DataFile Name :	006CALS_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	448548	448500	438703	445250	1.27	cps
Zirconium	91-1	97280	98128	98397	97935	0.60	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 16:30:17 DataFile Name : 007CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20703	21129	21013	20948	1.05	cps
Antimony	121-1	715937	728506	727188	723877	0.95	cps
Arsenic	75-2	14606	14189	13794	14196	2.86	cps
Barium	135-1	713953	707994	719243	713730	0.79	cps
Barium	137-1	1244746	1223649	1240185	1236194	0.90	cps
Beryllium	9-1	89147	89191	90932	89757	1.13	cps
Bismuth	209-1	3118481	3239340	3245929	3201250	2.24	cps
Bismuth	209-2	1133883	1124531	1154024	1137479	1.32	cps
Boron	10-1	10971	12247	12314	11844	6.39	cps
Boron	11-1	61073	63567	63978	62872	2.50	cps
Cadmium	111-1	173317	173547	174672	173846	0.42	cps
Cadmium	106-1	20200	20550	19991	20247	1.40	cps
Cadmium	108-1	12068	12811	13140	12673	4.33	cps
Calcium	43-1	208454	209424	211109	209663	0.64	cps
Calcium	44-1	3451938	3436328	3445188	3444485	0.23	cps
Chromium	52-2	120238	120376	120752	120455	0.22	cps
Cobalt	59-2	233917	233302	233530	233583	0.13	cps
Copper	63-2	399415	402415	402304	401378	0.42	cps
Dysprosium	156-1	8	42	0	17	132.30	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	33	0	0	11	173.21	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	17	67	17	33	86.59	cps
Gadolinium	160-2	13	0	0	4	173.21	cps
Holmium	165-1	5336404	5722866	5474705	5511325	3.55	cps
Holmium	165-2	1616024	1595082	1620862	1610656	0.85	cps
Indium	115-1	4915967	5220975	5120782	5085908	3.06	cps
Indium	115-2	325365	320018	322035	322473	0.84	cps
Iron	56-2	4215137	4212783	4175400	4201107	0.53	cps
Iron	57-2	104629	104579	104696	104635	0.06	cps
Krypton	83-1	750	680	590	673	11.91	cps
Lead	206-1	344806	347252	350598	347552	0.84	cps
Lead	207-1	312845	312720	314592	313386	0.33	cps
Lead	208-1	1400042	1407441	1418975	1408819	0.68	cps
Lithium	6-1	474245	487519	495345	485703	2.20	cps
Magnesium	24-2	491717	484532	485285	487178	0.81	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:30:17	DataFile Name :	007CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	72346	72500	72135	72327	0.25	cps
Molybdenum	94-1	1361374	1373438	1380837	1371883	0.72	cps
Molybdenum	95-1	1666330	1687728	1665136	1673064	0.76	cps
Molybdenum	96-1	1872917	1895884	1901147	1889982	0.79	cps
Molybdenum	97-1	1034924	1044678	1048718	1042773	0.68	cps
Molybdenum	98-1	2659460	2661012	2705353	2675275	0.97	cps
Neodymium	150-1	20	93	40	51	74.17	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	70146	70186	69938	70090	0.19	cps
Phosphorus	31-2	1417	1675	1667	1586	9.26	cps
Potassium	39-2	134497	134528	135564	134863	0.45	cps
Rhodium	103-1	5028848	5418487	5251897	5233078	3.74	cps
Rhodium	103-2	1808938	1791555	1810355	1803616	0.58	cps
Scandium	45-1	3804557	4008012	3915904	3909491	2.61	cps
Scandium	45-2	45229	44260	45166	44885	1.21	cps
Selenium	77-2	113	100	90	101	11.58	cps
Selenium	78-2	331	428	404	388	12.93	cps
Selenium	82-1	11817	11860	12120	11932	1.37	cps
Silicon	28-1	865011	902722	903298	890344	2.46	cps
Silver	109-1	790325	792149	791150	791208	0.12	cps
Silver	107-1	842076	839270	839564	840303	0.18	cps
Sodium	23-2	1053212	1061455	1047561	1054076	0.66	cps
Strontium	86-1	212591	209250	213436	211759	1.05	cps
Strontium	88-1	1813403	1827634	1795353	1812130	0.89	cps
Sulfur	34-1	563766	571957	571303	569009	0.80	cps
Terbium	159-1	5609032	5972060	5781024	5787372	3.14	cps
Terbium	159-2	1640133	1615933	1658495	1638187	1.30	cps
Thallium	203-1	425514	432006	430963	429494	0.81	cps
Thallium	205-1	1024392	1034694	1023709	1027598	0.60	cps
Tin	118-1	493366	499656	507368	500130	1.40	cps
Titanium	47-1	506523	508203	509263	507996	0.27	cps
Uranium	238-1	1255496	1276786	1273389	1268557	0.90	cps
Vanadium	51-2	84761	85915	84976	85217	0.72	cps
Yttrium	89-1	5609195	6022602	5797050	5809615	3.56	cps
Yttrium	89-2	265014	262701	264122	263946	0.44	cps
Zinc	66-2	41810	42294	41699	41934	0.76	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:30:17	DataFile Name :	007CALS_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1132574	1143862	1139149	1138528	0.50	cps
Zirconium	91-1	252318	250376	254676	252457	0.85	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:33:59	DataFile Name :	008CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	42251	41899	41608	41919	0.77	cps
Antimony	121-1	1426038	1421365	1437079	1428161	0.57	cps
Arsenic	75-2	29461	29214	29947	29541	1.26	cps
Barium	135-1	1395747	1392364	1414117	1400743	0.84	cps
Barium	137-1	2440830	2399285	2477592	2439236	1.61	cps
Beryllium	9-1	181765	176163	177988	178639	1.60	cps
Bismuth	209-1	3122330	3622196	3215455	3319994	8.01	cps
Bismuth	209-2	1251029	1252240	1276508	1259926	1.14	cps
Boron	10-1	24280	23061	24163	23835	2.82	cps
Boron	11-1	121942	118831	123555	121443	1.98	cps
Cadmium	111-1	340035	338163	340597	339598	0.38	cps
Cadmium	106-1	37403	36968	37971	37447	1.34	cps
Cadmium	108-1	24581	24402	24376	24453	0.46	cps
Calcium	43-1	416986	408583	410788	412119	1.06	cps
Calcium	44-1	6665200	6564257	6635776	6621745	0.78	cps
Chromium	52-2	238751	242325	242997	241358	0.95	cps
Cobalt	59-2	468482	472864	474350	471899	0.65	cps
Copper	63-2	805877	805188	807531	806199	0.15	cps
Dysprosium	156-1	33	50	25	36	35.25	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	8	25	17	17	50.01	cps
Erbium	164-2	0	7	10	6	91.64	cps
Gadolinium	160-1	67	42	33	47	36.74	cps
Gadolinium	160-2	17	10	20	16	32.73	cps
Holmium	165-1	5399895	6174627	5612448	5728990	6.99	cps
Holmium	165-2	1801965	1748194	1779286	1776481	1.52	cps
Indium	115-1	4908063	5846684	5041146	5265298	9.65	cps
Indium	115-2	340989	346365	347166	344840	0.97	cps
Iron	56-2	8331798	8417147	8446547	8398497	0.71	cps
Iron	57-2	211972	214560	212734	213089	0.62	cps
Krypton	83-1	707	690	660	686	3.45	cps
Lead	206-1	683476	671822	684644	679981	1.04	cps
Lead	207-1	616216	611273	620247	615912	0.73	cps
Lead	208-1	2775558	2749793	2770982	2765444	0.50	cps
Lithium	6-1	488271	543410	497418	509700	5.80	cps
Magnesium	24-2	970991	967933	985680	974868	0.97	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:33:59	DataFile Name :	008CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	145283	146314	145616	145738	0.36	cps
Molybdenum	94-1	2732890	2685777	2729293	2715986	0.97	cps
Molybdenum	95-1	3304753	3313023	3267767	3295181	0.73	cps
Molybdenum	96-1	3666836	3670203	3627156	3654731	0.66	cps
Molybdenum	97-1	2065726	2053821	2072886	2064144	0.47	cps
Molybdenum	98-1	5278314	5247554	5228564	5251477	0.48	cps
Neodymium	150-1	60	107	87	84	27.73	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	142195	141225	142858	142092	0.58	cps
Phosphorus	31-2	3359	3175	3292	3276	2.83	cps
Potassium	39-2	270521	270460	271585	270855	0.23	cps
Rhodium	103-1	4946066	5891415	5173773	5337085	9.24	cps
Rhodium	103-2	1865850	1907603	1918108	1897187	1.46	cps
Scandium	45-1	3769483	4415978	3892143	4025868	8.53	cps
Scandium	45-2	48008	48005	47256	47757	0.91	cps
Selenium	77-2	260	237	237	244	5.51	cps
Selenium	78-2	832	796	757	795	4.66	cps
Selenium	82-1	23614	23511	23490	23538	0.28	cps
Silicon	28-1	1290159	1272457	1333627	1298748	2.42	cps
Silver	109-1	1557377	1553362	1565227	1558655	0.39	cps
Silver	107-1	1679429	1669833	1657061	1668774	0.67	cps
Sodium	23-2	2107923	2146069	2148778	2134257	1.07	cps
Strontium	86-1	414141	413212	413643	413665	0.11	cps
Strontium	88-1	3548367	3551706	3538171	3546081	0.20	cps
Sulfur	34-1	623702	613586	611525	616271	1.06	cps
Terbium	159-1	5584274	6577478	5822128	5994627	8.65	cps
Terbium	159-2	1796103	1809160	1813300	1806188	0.50	cps
Thallium	203-1	848208	837737	858712	848219	1.24	cps
Thallium	205-1	2069035	2044490	2089117	2067547	1.08	cps
Tin	118-1	982590	986693	991801	987028	0.47	cps
Titanium	47-1	1015092	1000145	1015920	1010386	0.88	cps
Uranium	238-1	2576727	2528423	2530069	2545073	1.08	cps
Vanadium	51-2	171765	173014	172059	172279	0.38	cps
Yttrium	89-1	5618263	6605240	5764858	5996120	8.88	cps
Yttrium	89-2	278678	282853	280518	280683	0.75	cps
Zinc	66-2	85350	86306	85650	85769	0.57	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:33:59	DataFile Name :	008CALS_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2288451	2246378	2300563	2278464	1.25	cps
Zirconium	91-1	490473	497766	490256	492832	0.87	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:37:36	DataFile Name :	009CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	84283	83916	83785	83995	0.31	cps
Antimony	121-1	2989865	3030154	3031766	3017261	0.79	cps
Arsenic	75-2	58864	58408	59152	58808	0.64	cps
Barium	135-1	2938653	2914271	2947744	2933556	0.59	cps
Barium	137-1	5063271	5016088	5048343	5042567	0.48	cps
Beryllium	9-1	360875	367293	361415	363195	0.98	cps
Bismuth	209-1	3295495	3392737	3279295	3322509	1.85	cps
Bismuth	209-2	1281759	1295710	1313605	1297025	1.23	cps
Boron	10-1	48241	49561	49093	48965	1.37	cps
Boron	11-1	245252	251720	253991	250321	1.81	cps
Cadmium	111-1	701463	702379	702711	702184	0.09	cps
Cadmium	106-1	75822	76686	76996	76501	0.79	cps
Cadmium	108-1	50628	51904	50432	50988	1.57	cps
Calcium	43-1	847804	849963	852320	850029	0.27	cps
Calcium	44-1	13552450	13491038	13608496	13550661	0.43	cps
Chromium	52-2	483589	482863	479790	482081	0.42	cps
Cobalt	59-2	936287	944388	950800	943825	0.77	cps
Copper	63-2	1571842	1614294	1629103	1605080	1.85	cps
Dysprosium	156-1	75	33	42	50	44.10	cps
Dysprosium	156-2	7	0	3	3	100.05	cps
Erbium	164-1	33	58	25	39	44.62	cps
Erbium	164-2	3	20	10	11	75.52	cps
Gadolinium	160-1	58	92	67	72	24.02	cps
Gadolinium	160-2	17	7	17	13	43.29	cps
Holmium	165-1	5727375	5812566	5730557	5756833	0.84	cps
Holmium	165-2	1819889	1850047	1845309	1838415	0.88	cps
Indium	115-1	5142695	5175722	5107277	5141898	0.67	cps
Indium	115-2	345023	349372	348883	347759	0.69	cps
Iron	56-2	16891223	16993854	16979679	16954918	0.33	cps
Iron	57-2	425555	427500	428889	427315	0.39	cps
Krypton	83-1	797	697	667	720	9.45	cps
Lead	206-1	1427748	1450206	1442842	1440265	0.79	cps
Lead	207-1	1288935	1307288	1307685	1301303	0.82	cps
Lead	208-1	5858548	5930667	5936820	5908678	0.74	cps
Lithium	6-1	490059	505949	498907	498305	1.60	cps
Magnesium	24-2	1985304	1998719	2000263	1994762	0.41	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:37:36	DataFile Name :	009CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	293373	295738	293946	294352	0.42	cps
Molybdenum	94-1	5556338	5559014	5592091	5569148	0.36	cps
Molybdenum	95-1	6781054	6828138	6877169	6828787	0.70	cps
Molybdenum	96-1	7510037	7613252	7569700	7564330	0.69	cps
Molybdenum	97-1	4232186	4267453	4252136	4250592	0.42	cps
Molybdenum	98-1	10770121	10759624	10857662	10795802	0.50	cps
Neodymium	150-1	93	120	140	118	19.88	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	281613	282393	282339	282115	0.15	cps
Phosphorus	31-2	6260	6243	6377	6293	1.15	cps
Potassium	39-2	525890	530075	531763	529243	0.57	cps
Rhodium	103-1	5206181	5243880	5115423	5188495	1.27	cps
Rhodium	103-2	1893877	1923265	1928045	1915063	0.97	cps
Scandium	45-1	3883871	3919932	3891667	3898490	0.49	cps
Scandium	45-2	46637	48062	47373	47357	1.50	cps
Selenium	77-2	420	470	423	438	6.39	cps
Selenium	78-2	1528	1467	1506	1500	2.06	cps
Selenium	82-1	48559	48354	48330	48414	0.26	cps
Silicon	28-1	2240715	2292739	2286770	2273408	1.25	cps
Silver	109-1	3242476	3222739	3216138	3227118	0.42	cps
Silver	107-1	3438750	3394506	3437620	3423625	0.74	cps
Sodium	23-2	4191373	4143503	4220933	4185270	0.93	cps
Strontium	86-1	856537	861835	859507	859293	0.31	cps
Strontium	88-1	7277138	7336682	7359009	7324276	0.58	cps
Sulfur	34-1	734767	741543	745640	740650	0.74	cps
Terbium	159-1	5927796	5989618	5996619	5971344	0.63	cps
Terbium	159-2	1850752	1823176	1848941	1840956	0.84	cps
Thallium	203-1	1810048	1836962	1826940	1824650	0.75	cps
Thallium	205-1	4310716	4350917	4376104	4345912	0.76	cps
Tin	118-1	2076123	2069250	2109308	2084894	1.03	cps
Titanium	47-1	2100883	2080495	2101965	2094448	0.58	cps
Uranium	238-1	5356936	5469786	5416220	5414314	1.04	cps
Vanadium	51-2	346070	344292	341907	344090	0.61	cps
Yttrium	89-1	5855989	5963116	5910757	5909954	0.91	cps
Yttrium	89-2	282843	286857	282873	284191	0.81	cps
Zinc	66-2	169417	168709	171800	169975	0.95	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:37:36	DataFile Name :	009CALS_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4635937	4683396	4697044	4672126	0.69	cps
Zirconium	91-1	1029679	1030171	1032159	1030670	0.13	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:51:48	DataFile Name :	012CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	172674	170849	172796	172106	0.63	cps
Antimony	121-1	5817294	5858853	5851624	5842591	0.38	cps
Arsenic	75-2	117620	119788	119444	118951	0.98	cps
Barium	135-1	5671840	5650478	5681314	5667877	0.28	cps
Barium	137-1	9796066	9768938	9744879	9769961	0.26	cps
Beryllium	9-1	755250	740389	726947	740862	1.91	cps
Bismuth	209-1	3156116	3260775	3282351	3233081	2.09	cps
Bismuth	209-2	1237014	1256740	1267215	1253656	1.22	cps
Boron	10-1	98304	97859	97884	98015	0.26	cps
Boron	11-1	507793	504287	502063	504714	0.57	cps
Cadmium	111-1	1359515	1359843	1357975	1359111	0.07	cps
Cadmium	106-1	146557	146733	146000	146430	0.26	cps
Cadmium	108-1	100781	99594	97525	99300	1.66	cps
Calcium	43-1	1740868	1750803	1743364	1745012	0.30	cps
Calcium	44-1	27775771	27857381	27693317	27775490	0.30	cps
Chromium	52-2	965437	965010	979663	970037	0.86	cps
Cobalt	59-2	1891170	1877439	1892537	1887049	0.44	cps
Copper	63-2	3190523	3159580	3208077	3186060	0.77	cps
Dysprosium	156-1	100	92	67	86	20.15	cps
Dysprosium	156-2	7	7	23	12	78.69	cps
Erbium	164-1	17	25	42	28	45.82	cps
Erbium	164-2	10	10	0	7	86.60	cps
Gadolinium	160-1	83	75	42	67	33.07	cps
Gadolinium	160-2	27	3	7	12	103.26	cps
Holmium	165-1	5713199	5690529	5776043	5726590	0.77	cps
Holmium	165-2	1789403	1806793	1831119	1809105	1.16	cps
Indium	115-1	5141556	5192000	5241559	5191705	0.96	cps
Indium	115-2	338172	344693	341013	341293	0.96	cps
Iron	56-2	33822431	34052836	33973047	33949438	0.34	cps
Iron	57-2	857275	852581	859803	856553	0.43	cps
Krypton	83-1	693	630	713	679	6.41	cps
Lead	206-1	2784244	2758897	2731622	2758254	0.95	cps
Lead	207-1	2497979	2550724	2496354	2515019	1.23	cps
Lead	208-1	11129210	11212261	11147478	11162983	0.39	cps
Lithium	6-1	557902	550800	548815	552506	0.86	cps
Magnesium	24-2	3986572	4020838	3961555	3989655	0.75	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:51:48	DataFile Name :	012CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	595941	596537	599415	597298	0.31	cps
Molybdenum	94-1	10954776	11031389	10878604	10954923	0.70	cps
Molybdenum	95-1	13371706	13575053	13495608	13480789	0.76	cps
Molybdenum	96-1	14965114	15133885	14992634	15030544	0.60	cps
Molybdenum	97-1	8264117	8400336	8295364	8319939	0.86	cps
Molybdenum	98-1	21405825	21538278	21547343	21497149	0.37	cps
Neodymium	150-1	267	253	220	247	9.75	cps
Neodymium	150-2	13	23	20	19	26.96	cps
Nickel	60-2	560530	556460	558599	558530	0.36	cps
Phosphorus	31-2	13674	13165	12715	13184	3.64	cps
Potassium	39-2	1081969	1091887	1092685	1088847	0.55	cps
Rhodium	103-1	5130539	5288530	5274883	5231317	1.67	cps
Rhodium	103-2	1879676	1932280	1906353	1906103	1.38	cps
Scandium	45-1	4149019	4195129	4176167	4173438	0.56	cps
Scandium	45-2	48454	48550	49785	48930	1.52	cps
Selenium	77-2	840	993	983	939	9.14	cps
Selenium	78-2	3078	3102	3263	3148	3.20	cps
Selenium	82-1	96118	96171	96483	96257	0.21	cps
Silicon	28-1	3768618	3710177	3699909	3726235	0.99	cps
Silver	109-1	6159966	6201238	6194220	6185141	0.36	cps
Silver	107-1	6583324	6600028	6582305	6588552	0.15	cps
Sodium	23-2	8559384	8459378	8410058	8476273	0.90	cps
Strontium	86-1	1695926	1772091	1734742	1734253	2.20	cps
Strontium	88-1	14433236	14561987	14250404	14415209	1.09	cps
Sulfur	34-1	906000	900107	871458	892522	2.07	cps
Terbium	159-1	5851036	5983795	6063494	5966108	1.80	cps
Terbium	159-2	1792550	1799242	1808582	1800125	0.45	cps
Thallium	203-1	3494627	3389408	3442899	3442311	1.53	cps
Thallium	205-1	8215351	8071773	8060454	8115859	1.06	cps
Tin	118-1	4038964	4096122	4059535	4064874	0.71	cps
Titanium	47-1	4292445	4221011	4204024	4239160	1.11	cps
Uranium	238-1	10008474	10068258	10131792	10069508	0.61	cps
Vanadium	51-2	699960	700720	707050	702577	0.55	cps
Yttrium	89-1	5935831	6169416	6116410	6073886	2.02	cps
Yttrium	89-2	284758	291989	289723	288823	1.28	cps
Zinc	66-2	336223	335695	335640	335853	0.10	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 16:51:48	DataFile Name :	012CALS_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	9116843	9234196	9093580	9148206	0.82	cps
Zirconium	91-1	2063680	2079067	2050651	2064466	0.69	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:02:19	DataFile Name :	015CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	915534	904334	914400	911423	0.68	cps
Antimony	121-1	7461	6977	7169	7202	3.38	cps
Arsenic	75-2	183	172	185	180	3.89	cps
Barium	135-1	833	733	700	756	9.18	cps
Barium	137-1	1333	1283	1375	1331	3.45	cps
Beryllium	9-1	140	117	150	136	12.62	cps
Bismuth	209-1	3092486	3136990	3048343	3092606	1.43	cps
Bismuth	209-2	1156535	1190651	1203452	1183546	2.05	cps
Boron	10-1	1750	1759	1734	1747	0.73	cps
Boron	11-1	9403	9387	9145	9312	1.55	cps
Cadmium	111-1	1397	1482	1507	1462	3.93	cps
Cadmium	106-1	1850	1975	2025	1950	4.62	cps
Cadmium	108-1	21	13	33	22	47.18	cps
Calcium	43-1	9015778	8904642	8975666	8965362	0.63	cps
Calcium	44-1	144025058	142942265	144405691	143791005	0.53	cps
Chromium	52-2	16533	16313	16747	16531	1.31	cps
Cobalt	59-2	24164	23300	23236	23567	2.20	cps
Copper	63-2	5031	4904	4811	4915	2.25	cps
Dysprosium	156-1	58	67	50	58	14.29	cps
Dysprosium	156-2	10	20	23	18	39.03	cps
Erbium	164-1	58	17	75	50	60.09	cps
Erbium	164-2	10	13	7	10	33.30	cps
Gadolinium	160-1	67	75	75	72	6.66	cps
Gadolinium	160-2	10	17	20	16	32.73	cps
Holmium	165-1	5641247	5869505	5670280	5727011	2.17	cps
Holmium	165-2	1774248	1797437	1821000	1797562	1.30	cps
Indium	115-1	5034065	5131606	5078392	5081355	0.96	cps
Indium	115-2	344607	351992	351216	349272	1.16	cps
Iron	56-2	176166698	172116376	172601848	173628308	1.27	cps
Iron	57-2	4407825	4427460	4358986	4398090	0.80	cps
Krypton	83-1	680	783	690	718	7.94	cps
Lead	206-1	4279	4240	4306	4275	0.78	cps
Lead	207-1	3745	3623	3439	3602	4.27	cps
Lead	208-1	17333	16966	16538	16946	2.35	cps
Lithium	6-1	532846	542501	546242	540530	1.28	cps
Magnesium	24-2	19473049	19174844	19243629	19297174	0.81	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:02:19	DataFile Name :	015CAL5_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3337	3407	3494	3413	2.30	cps
Molybdenum	94-1	6635	6560	7502	6899	7.59	cps
Molybdenum	95-1	9287	8962	9437	9229	2.63	cps
Molybdenum	96-1	10880	10946	11155	10994	1.31	cps
Molybdenum	97-1	5960	6085	6210	6085	2.06	cps
Molybdenum	98-1	14909	14667	14842	14806	0.84	cps
Neodymium	150-1	73	80	100	84	16.43	cps
Neodymium	150-2	40	17	27	28	42.13	cps
Nickel	60-2	11351	10748	11031	11043	2.74	cps
Phosphorus	31-2	17	17	17	17	0.00	cps
Potassium	39-2	5629498	5539773	5659610	5609627	1.11	cps
Rhodium	103-1	5015212	5130507	4980417	5042045	1.56	cps
Rhodium	103-2	1806375	1890821	1870253	1855816	2.37	cps
Scandium	45-1	4055794	4161103	4093285	4103394	1.30	cps
Scandium	45-2	48637	49892	50832	49787	2.21	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	9	0	4	4	107.89	cps
Selenium	82-1	-47	-148	3	-64	-119.80	cps
Silicon	28-1	444543	446081	445723	445449	0.18	cps
Silver	109-1	483	400	450	444	9.44	cps
Silver	107-1	492	458	492	481	4.01	cps
Sodium	23-2	43411367	42845042	43305443	43187284	0.70	cps
Strontium	86-1	8536	8837	8586	8653	1.86	cps
Strontium	88-1	68271	64754	66974	66667	2.67	cps
Sulfur	34-1	522847	528018	532676	527847	0.93	cps
Terbium	159-1	5897468	6059256	5821952	5926226	2.05	cps
Terbium	159-2	1783136	1832463	1810074	1808558	1.37	cps
Thallium	203-1	417	342	408	389	10.57	cps
Thallium	205-1	1142	1208	1158	1170	2.97	cps
Tin	118-1	3742	3792	3834	3790	1.21	cps
Titanium	47-1	1100	1258	1192	1183	6.72	cps
Uranium	238-1	650	525	683	619	13.48	cps
Vanadium	51-2	223	137	163	174	25.45	cps
Yttrium	89-1	5979321	6039753	5960796	5993290	0.69	cps
Yttrium	89-2	292521	296093	300240	296285	1.30	cps
Zinc	66-2	3791	3260	3247	3433	9.03	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:02:19	DataFile Name :	015CALS_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4018	3817	4151	3995	4.20	cps
Zirconium	91-1	958	733	925	872	13.92	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:10:17 DataFile Name : 016ICV01_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4534	4750	4557	4614	2.56	cps
Antimony	121-1	1106603	1127015	1123737	1119119	0.98	cps
Arsenic	75-2	23463	23283	23344	23363	0.39	cps
Barium	135-1	110343	111929	110273	110848	0.84	cps
Barium	137-1	190228	195264	192710	192734	1.31	cps
Beryllium	9-1	69769	73051	71316	71379	2.30	cps
Bismuth	209-1	3191259	3299168	3236529	3242319	1.67	cps
Bismuth	209-2	1219605	1277423	1310643	1269224	3.63	cps
Boron	10-1	858	767	733	786	8.23	cps
Boron	11-1	4951	4384	4026	4454	10.48	cps
Cadmium	111-1	133884	135032	135324	134747	0.57	cps
Cadmium	106-1	14233	13858	14283	14125	1.65	cps
Cadmium	108-1	9825	9770	9645	9747	0.94	cps
Calcium	43-1	33173	33590	34539	33768	2.07	cps
Calcium	44-1	610432	627719	634991	624381	2.02	cps
Chromium	52-2	96731	95926	95795	96151	0.53	cps
Cobalt	59-2	191605	190597	191672	191291	0.31	cps
Copper	63-2	166396	164770	164103	165090	0.71	cps
Dysprosium	156-1	0	8	33	14	124.92	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	67	25	25	39	61.86	cps
Erbium	164-2	23	27	27	26	7.55	cps
Gadolinium	160-1	67	42	25	44	47.19	cps
Gadolinium	160-2	10	7	7	8	24.71	cps
Holmium	165-1	5470151	5611834	5567420	5549802	1.31	cps
Holmium	165-2	1740149	1825147	1850271	1805189	3.20	cps
Indium	115-1	5131304	5359807	5214128	5235080	2.21	cps
Indium	115-2	346509	350981	356835	351442	1.47	cps
Iron	56-2	685791	686257	686601	686216	0.06	cps
Iron	57-2	17189	17261	17033	17161	0.68	cps
Krypton	83-1	667	667	763	699	7.99	cps
Lead	206-1	550758	552187	552112	551686	0.15	cps
Lead	207-1	482373	482673	477068	480705	0.66	cps
Lead	208-1	2197119	2199363	2204896	2200460	0.18	cps
Lithium	6-1	525611	541092	529359	532021	1.52	cps
Magnesium	24-2	46084	45440	45541	45688	0.76	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : ICV01 Instrumnet Name : P8
 Client Sample ID : ICV01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:10:17 DataFile Name : 016ICV01_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	28877	29254	29304	29145	0.80	cps
Molybdenum	94-1	2281004	2369986	2347042	2332677	1.98	cps
Molybdenum	95-1	4037122	4091826	4111717	4080222	0.95	cps
Molybdenum	96-1	4284358	4383231	4384984	4350858	1.32	cps
Molybdenum	97-1	2526501	2570400	2533463	2543454	0.93	cps
Molybdenum	98-1	6342556	6499819	6411277	6417884	1.23	cps
Neodymium	150-1	0	7	13	7	99.98	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	57264	57244	57381	57296	0.13	cps
Phosphorus	31-2	25	0	33	19	89.21	cps
Potassium	39-2	49906	48334	49656	49299	1.71	cps
Rhodium	103-1	5245222	5438409	5239285	5307639	2.13	cps
Rhodium	103-2	1925288	1939042	1985884	1950071	1.63	cps
Scandium	45-1	3968182	4106166	3993745	4022698	1.82	cps
Scandium	45-2	47450	48273	49376	48367	2.00	cps
Selenium	77-2	163	147	207	172	17.98	cps
Selenium	78-2	665	652	611	643	4.36	cps
Selenium	82-1	18505	18662	18825	18664	0.86	cps
Silicon	28-1	373012	372178	373481	372890	0.18	cps
Silver	109-1	616430	627337	619334	621034	0.91	cps
Silver	107-1	646731	656493	655557	652927	0.82	cps
Sodium	23-2	197023	191024	193837	193961	1.55	cps
Strontium	86-1	4693	4643	4668	4668	0.54	cps
Strontium	88-1	32557	33008	32899	32821	0.72	cps
Sulfur	34-1	515510	516741	513875	515375	0.28	cps
Terbium	159-1	5778118	5959126	5755363	5830869	1.91	cps
Terbium	159-2	1732869	1792054	1838389	1787770	2.96	cps
Thallium	203-1	692089	691918	698181	694062	0.51	cps
Thallium	205-1	1669222	1676193	1681811	1675742	0.38	cps
Tin	118-1	375	483	408	422	13.14	cps
Titanium	47-1	267	200	342	269	26.30	cps
Uranium	238-1	292	217	325	278	19.97	cps
Vanadium	51-2	68687	67720	67971	68126	0.74	cps
Yttrium	89-1	5809503	5916490	5909492	5878495	1.02	cps
Yttrium	89-2	280754	287562	292065	286794	1.99	cps
Zinc	66-2	34884	34653	34603	34714	0.43	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:10:17	DataFile Name :	016ICV01_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	525	475	492	497	5.12	cps
Zirconium	91-1	175	342	375	297	36.05	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:14:33	DataFile Name :	017LLIC_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	213	193	228	211	8.33	cps
Antimony	121-1	11856	10897	11823	11525	4.72	cps
Arsenic	75-2	111	117	137	122	11.23	cps
Barium	135-1	10872	10705	11239	10938	2.50	cps
Barium	137-1	18664	19323	19298	19095	1.96	cps
Beryllium	9-1	723	827	673	741	10.55	cps
Bismuth	209-1	3313700	3232156	3301011	3282289	1.34	cps
Bismuth	209-2	1280100	1335621	1273680	1296467	2.63	cps
Boron	10-1	2967	2584	2692	2748	7.19	cps
Boron	11-1	14574	15325	14716	14872	2.68	cps
Cadmium	111-1	2481	2614	2651	2582	3.46	cps
Cadmium	106-1	1900	1834	2092	1942	6.91	cps
Cadmium	108-1	100	142	108	117	18.90	cps
Calcium	43-1	8526	8436	8413	8458	0.71	cps
Calcium	44-1	197225	196928	194621	196258	0.73	cps
Chromium	52-2	3007	3424	2934	3122	8.47	cps
Cobalt	59-2	1940	1833	1907	1894	2.88	cps
Copper	63-2	3344	3587	3364	3432	3.94	cps
Dysprosium	156-1	0	0	17	6	173.21	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	50	42	39	32.73	cps
Erbium	164-2	10	7	17	11	45.82	cps
Gadolinium	160-1	25	67	50	47	44.41	cps
Gadolinium	160-2	13	3	3	7	86.65	cps
Holmium	165-1	5632351	5471903	5707105	5603786	2.14	cps
Holmium	165-2	1828837	1879017	1803221	1837025	2.10	cps
Indium	115-1	5282143	5077753	5263598	5207831	2.17	cps
Indium	115-2	353187	374354	353305	360282	3.38	cps
Iron	56-2	37819	37713	37178	37570	0.91	cps
Iron	57-2	895	906	989	930	5.55	cps
Krypton	83-1	650	727	710	696	5.80	cps
Lead	206-1	2945	2973	2878	2932	1.66	cps
Lead	207-1	2617	2634	2456	2569	3.82	cps
Lead	208-1	11614	12086	11647	11782	2.24	cps
Lithium	6-1	541011	533301	538175	537496	0.73	cps
Magnesium	24-2	18546	18104	18646	18432	1.57	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:14:33	DataFile Name :	017LLIC_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	360	360	343	354	2.72	cps
Molybdenum	94-1	10613	10938	10730	10760	1.53	cps
Molybdenum	95-1	13132	13307	13474	13304	1.29	cps
Molybdenum	96-1	14417	15276	14500	14731	3.22	cps
Molybdenum	97-1	8970	8820	7969	8586	6.28	cps
Molybdenum	98-1	21084	21668	21276	21343	1.40	cps
Neodymium	150-1	7	13	0	7	99.98	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	593	640	587	607	4.79	cps
Phosphorus	31-2	50	50	92	64	37.66	cps
Potassium	39-2	16160	16202	16277	16213	0.37	cps
Rhodium	103-1	5279932	5201353	5318128	5266471	1.13	cps
Rhodium	103-2	1972959	2086340	1956686	2005328	3.52	cps
Scandium	45-1	4021179	3931990	4109518	4020896	2.21	cps
Scandium	45-2	47470	49852	47356	48226	2.92	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	20	11	11	14	37.66	cps
Selenium	82-1	413	362	328	368	11.59	cps
Silicon	28-1	400145	400899	403318	401454	0.41	cps
Silver	109-1	6102	6694	6352	6382	4.66	cps
Silver	107-1	6769	6777	6343	6630	3.74	cps
Sodium	23-2	60228	59985	59843	60019	0.32	cps
Strontium	86-1	2650	2475	2467	2531	4.09	cps
Strontium	88-1	13449	13357	13557	13454	0.74	cps
Sulfur	34-1	526846	534166	533815	531609	0.78	cps
Terbium	159-1	5904514	5755408	5968482	5876135	1.86	cps
Terbium	159-2	1824218	1895724	1798836	1839593	2.73	cps
Thallium	203-1	3484	3401	3843	3576	6.57	cps
Thallium	205-1	7644	8570	7611	7942	6.85	cps
Tin	118-1	19640	19707	19189	19512	1.44	cps
Titanium	47-1	4401	4401	4368	4390	0.44	cps
Uranium	238-1	9187	9062	10004	9418	5.43	cps
Vanadium	51-2	3644	3494	3400	3513	3.50	cps
Yttrium	89-1	5871487	5764967	6021566	5886007	2.19	cps
Yttrium	89-2	290687	301356	288500	293514	2.34	cps
Zinc	66-2	647	543	550	580	9.97	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:14:33	DataFile Name :	017LLIC_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	8786	8620	8445	8617	1.98	cps
Zirconium	91-1	1909	2084	1684	1892	10.60	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:17:58 DataFile Name : 018CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	23	40	33	32	27.72	cps
Antimony	121-1	442	467	442	450	3.21	cps
Arsenic	75-2	7	7	7	7	0.00	cps
Barium	135-1	25	42	33	33	25.00	cps
Barium	137-1	58	42	58	53	18.23	cps
Beryllium	9-1	67	47	73	62	22.30	cps
Bismuth	209-1	3202743	3380059	3366111	3316304	2.97	cps
Bismuth	209-2	1243444	1195699	1263201	1234114	2.81	cps
Boron	10-1	642	658	600	633	4.74	cps
Boron	11-1	3242	3409	3342	3331	2.52	cps
Cadmium	111-1	1312	1076	1263	1217	10.25	cps
Cadmium	106-1	1875	1550	1792	1739	9.71	cps
Cadmium	108-1	13	25	17	18	35.25	cps
Calcium	43-1	540	593	483	539	10.21	cps
Calcium	44-1	64886	64507	63027	64140	1.53	cps
Chromium	52-2	1267	1417	1330	1338	5.63	cps
Cobalt	59-2	80	80	90	83	6.93	cps
Copper	63-2	243	283	230	252	11.00	cps
Dysprosium	156-1	17	8	0	8	100.02	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	0	17	8	8	100.02	cps
Erbium	164-2	7	7	10	8	24.71	cps
Gadolinium	160-1	58	50	50	53	9.12	cps
Gadolinium	160-2	0	7	3	3	100.05	cps
Holmium	165-1	5536913	5734955	5780586	5684151	2.28	cps
Holmium	165-2	1757177	1661895	1790014	1736362	3.83	cps
Indium	115-1	5113838	5366220	5350833	5276964	2.68	cps
Indium	115-2	342224	332053	347493	340590	2.30	cps
Iron	56-2	2589	2284	2523	2465	6.52	cps
Iron	57-2	72	56	56	61	15.74	cps
Krypton	83-1	720	737	683	713	3.83	cps
Lead	206-1	350	361	367	359	2.36	cps
Lead	207-1	350	289	322	320	9.55	cps
Lead	208-1	1472	1445	1439	1452	1.23	cps
Lithium	6-1	550720	567837	568703	562420	1.80	cps
Magnesium	24-2	233	200	308	247	22.44	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:17:58 DataFile Name : 018CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	43	37	37	39	9.89	cps
Molybdenum	94-1	242	342	283	289	17.39	cps
Molybdenum	95-1	117	175	133	142	21.21	cps
Molybdenum	96-1	258	192	158	203	25.11	cps
Molybdenum	97-1	292	300	233	275	13.21	cps
Molybdenum	98-1	208	167	200	192	11.50	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	63	73	83	73	13.64	cps
Phosphorus	31-2	8	17	0	8	100.02	cps
Potassium	39-2	6243	5952	5960	6052	2.75	cps
Rhodium	103-1	5253852	5379816	5461415	5365027	1.95	cps
Rhodium	103-2	1892560	1869867	1936913	1899780	1.79	cps
Scandium	45-1	3938175	4124296	4080690	4047720	2.40	cps
Scandium	45-2	46601	45898	47049	46516	1.25	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	4	0	0	1	173.21	cps
Selenium	82-1	-113	-156	-108	-126	-21.26	cps
Silicon	28-1	371857	371383	367541	370260	0.64	cps
Silver	109-1	92	92	100	94	5.09	cps
Silver	107-1	133	117	125	125	6.67	cps
Sodium	23-2	19122	18721	19497	19114	2.03	cps
Strontium	86-1	1058	933	817	936	12.91	cps
Strontium	88-1	58	108	108	92	31.49	cps
Sulfur	34-1	532305	538293	539966	536855	0.75	cps
Terbium	159-1	5739820	5983762	5955405	5892995	2.26	cps
Terbium	159-2	1770381	1695342	1730875	1732200	2.17	cps
Thallium	203-1	92	67	42	67	37.50	cps
Thallium	205-1	283	192	158	211	30.66	cps
Tin	118-1	267	300	233	267	12.50	cps
Titanium	47-1	100	83	217	133	54.48	cps
Uranium	238-1	33	25	58	39	44.62	cps
Vanadium	51-2	10	10	17	12	31.50	cps
Yttrium	89-1	5808159	6008128	6012100	5942796	1.96	cps
Yttrium	89-2	279093	267676	282269	276346	2.78	cps
Zinc	66-2	253	327	307	296	12.83	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:17:58	DataFile Name :	018CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	433	325	425	394	15.28	cps
Zirconium	91-1	108	67	92	89	23.59	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:21:24	DataFile Name :	019ICSA01_P8122118 M

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	719364	703340	703781	708828	1.29	cps
Antimony	121-1	6910	6794	6677	6794	1.72	cps
Arsenic	75-2	59	37	41	46	26.06	cps
Barium	135-1	1659	1700	1625	1661	2.26	cps
Barium	137-1	2775	2734	3092	2867	6.84	cps
Beryllium	9-1	190	233	217	213	10.24	cps
Bismuth	209-1	3006766	3070245	3102912	3059974	1.60	cps
Bismuth	209-2	1142764	1152157	1109728	1134883	1.96	cps
Boron	10-1	508	575	650	578	12.27	cps
Boron	11-1	2675	2700	2734	2703	1.08	cps
Cadmium	111-1	1723	1860	1490	1691	11.05	cps
Cadmium	106-1	1667	1784	1584	1678	5.99	cps
Cadmium	108-1	1075	954	1050	1026	6.21	cps
Calcium	43-1	1638822	1652625	1617674	1636374	1.08	cps
Calcium	44-1	25999669	25800336	25643579	25814528	0.69	cps
Chromium	52-2	18880	18830	18526	18745	1.02	cps
Cobalt	59-2	2167	2077	1944	2062	5.45	cps
Copper	63-2	13934	13380	13307	13540	2.53	cps
Dysprosium	156-1	17	17	17	17	0.00	cps
Dysprosium	156-2	7	7	10	8	24.71	cps
Erbium	164-1	25	83	17	42	87.18	cps
Erbium	164-2	13	0	17	10	88.20	cps
Gadolinium	160-1	33	42	67	47	36.74	cps
Gadolinium	160-2	13	3	10	9	57.30	cps
Holmium	165-1	5314548	5517970	5549627	5460715	2.34	cps
Holmium	165-2	1701617	1713750	1675308	1696892	1.16	cps
Indium	115-1	4825278	4938575	5086714	4950189	2.65	cps
Indium	115-2	322942	332698	319796	325145	2.07	cps
Iron	56-2	63277336	61984558	61558656	62273517	1.44	cps
Iron	57-2	1624200	1624996	1580134	1609776	1.59	cps
Krypton	83-1	703	670	730	701	4.29	cps
Lead	206-1	12901	12634	13040	12859	1.60	cps
Lead	207-1	10716	10110	10332	10386	2.95	cps
Lead	208-1	49210	47870	48827	48636	1.42	cps
Lithium	6-1	451473	455916	450169	452519	0.67	cps
Magnesium	24-2	3464545	3377998	3400212	3414252	1.32	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:21:24	DataFile Name :	019ICSA01_P8122118 M

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2197	2347	2264	2269	3.31	cps
Molybdenum	94-1	2950104	2979154	2899483	2942914	1.37	cps
Molybdenum	95-1	5163371	5057780	5084765	5101972	1.08	cps
Molybdenum	96-1	5526758	5491475	5416759	5478331	1.03	cps
Molybdenum	97-1	3236092	3199452	3158862	3198135	1.21	cps
Molybdenum	98-1	8194576	8085831	8004971	8095126	1.18	cps
Neodymium	150-1	27	33	13	24	41.66	cps
Neodymium	150-2	0	3	7	3	100.05	cps
Nickel	60-2	3240	3170	3317	3243	2.26	cps
Phosphorus	31-2	56480	56807	56999	56762	0.46	cps
Potassium	39-2	1982077	1964755	1956327	1967720	0.67	cps
Rhodium	103-1	4830369	4918697	5075727	4941598	2.51	cps
Rhodium	103-2	1783895	1820930	1793874	1799566	1.06	cps
Scandium	45-1	3667258	3753155	3780580	3733664	1.58	cps
Scandium	45-2	44575	46450	44106	45043	2.75	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	6	0	2	114.63	cps
Selenium	82-1	-135	-22	-198	-118	-75.38	cps
Silicon	28-1	434928	427178	424609	428905	1.25	cps
Silver	109-1	4801	4368	4393	4520	5.38	cps
Silver	107-1	5293	4684	4226	4734	11.31	cps
Sodium	23-2	7744272	7514838	7612105	7623738	1.51	cps
Strontium	86-1	57513	57857	56225	57199	1.50	cps
Strontium	88-1	486359	484609	477819	482929	0.93	cps
Sulfur	34-1	2281708	2229206	2231286	2247400	1.32	cps
Terbium	159-1	5560122	5712190	5848394	5706902	2.53	cps
Terbium	159-2	1676476	1724143	1657345	1685988	2.04	cps
Thallium	203-1	983	958	808	917	10.33	cps
Thallium	205-1	2225	2250	1717	2064	14.58	cps
Tin	118-1	1050	1008	933	997	5.93	cps
Titanium	47-1	1586594	1604612	1558390	1583198	1.47	cps
Uranium	238-1	258	217	233	236	8.88	cps
Vanadium	51-2	90	87	70	82	13.03	cps
Yttrium	89-1	5605870	5710538	5826315	5714241	1.93	cps
Yttrium	89-2	269696	273000	269395	270697	0.74	cps
Zinc	66-2	2230	2237	2167	2211	1.75	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:21:24	DataFile Name :	019ICSA01_P8122118 M

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	742	575	600	639	14.07	cps
Zirconium	91-1	158	108	133	133	18.75	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : ICSAB01 Instrumnet Name : P8
 Client Sample ID : ICSAB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:24:43 DataFile Name : 020ICSB_P8122118 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	699193	700190	693850	697744	0.49	cps
Antimony	121-1	118136	120405	120314	119618	1.07	cps
Arsenic	75-2	2187	2258	2178	2208	1.97	cps
Barium	135-1	23680	24089	24098	23956	1.00	cps
Barium	137-1	40539	41868	40723	41043	1.75	cps
Beryllium	9-1	13136	12432	12269	12612	3.65	cps
Bismuth	209-1	2958320	3027374	3057242	3014312	1.68	cps
Bismuth	209-2	1104586	1112334	1144493	1120471	1.89	cps
Boron	10-1	5801	5768	6152	5907	3.60	cps
Boron	11-1	30099	29297	28671	29356	2.44	cps
Cadmium	111-1	27485	27668	27743	27632	0.48	cps
Cadmium	106-1	4126	3526	4051	3901	8.38	cps
Cadmium	108-1	2930	2509	2671	2703	7.85	cps
Calcium	43-1	1549861	1546315	1567137	1554438	0.72	cps
Calcium	44-1	24806823	24627705	24727666	24720731	0.36	cps
Chromium	52-2	35843	36668	36976	36495	1.61	cps
Cobalt	59-2	37501	37681	38343	37841	1.17	cps
Copper	63-2	43227	42953	42960	43047	0.36	cps
Dysprosium	156-1	25	33	50	36	35.25	cps
Dysprosium	156-2	7	10	7	8	24.71	cps
Erbium	164-1	50	8	67	42	72.12	cps
Erbium	164-2	3	13	20	12	68.66	cps
Gadolinium	160-1	117	75	25	72	63.55	cps
Gadolinium	160-2	3	13	13	10	57.75	cps
Holmium	165-1	5273292	5453899	5430078	5385756	1.82	cps
Holmium	165-2	1633061	1603538	1671572	1636057	2.09	cps
Indium	115-1	4772602	4971113	4908321	4884012	2.08	cps
Indium	115-2	311995	312727	322808	315843	1.91	cps
Iron	56-2	61574592	61120139	61554382	61416371	0.42	cps
Iron	57-2	1576259	1607046	1589757	1591021	0.97	cps
Krypton	83-1	757	730	703	730	3.65	cps
Lead	206-1	67049	68652	67960	67887	1.18	cps
Lead	207-1	54758	56906	57805	56490	2.77	cps
Lead	208-1	258458	262636	262148	261080	0.87	cps
Lithium	6-1	420786	410708	407476	412990	1.68	cps
Magnesium	24-2	3418538	3391993	3367646	3392726	0.75	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:24:43	DataFile Name :	020ICSB_P8122118 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	7472	7249	7462	7394	1.71	cps
Molybdenum	94-1	2989611	3005733	2940627	2978657	1.14	cps
Molybdenum	95-1	5134893	5204685	5056476	5132018	1.44	cps
Molybdenum	96-1	5543424	5582866	5474214	5533501	0.99	cps
Molybdenum	97-1	3249849	3249593	3214404	3237949	0.63	cps
Molybdenum	98-1	8279914	8188587	8132867	8200456	0.91	cps
Neodymium	150-1	13	53	7	24	103.26	cps
Neodymium	150-2	3	7	7	6	34.70	cps
Nickel	60-2	13070	13463	13070	13201	1.72	cps
Phosphorus	31-2	55870	53853	55284	55003	1.89	cps
Potassium	39-2	1918941	1942512	1919746	1927066	0.69	cps
Rhodium	103-1	4779001	4864298	4906909	4850069	1.34	cps
Rhodium	103-2	1760199	1739175	1794632	1764669	1.59	cps
Scandium	45-1	3562546	3645463	3677350	3628453	1.63	cps
Scandium	45-2	42561	43872	43741	43391	1.66	cps
Selenium	77-2	27	17	3	16	75.27	cps
Selenium	78-2	106	67	57	77	33.38	cps
Selenium	82-1	1556	1596	1692	1615	4.33	cps
Silicon	28-1	600397	595657	590040	595365	0.87	cps
Silver	109-1	116971	115921	117394	116762	0.65	cps
Silver	107-1	122781	125092	125253	124375	1.11	cps
Sodium	23-2	7520977	7478203	7422552	7473911	0.66	cps
Strontium	86-1	55129	56601	56141	55957	1.35	cps
Strontium	88-1	472406	471974	476099	473493	0.48	cps
Sulfur	34-1	2135530	2122738	2112814	2123694	0.54	cps
Terbium	159-1	5557568	5779427	5793265	5710087	2.32	cps
Terbium	159-2	1627074	1656895	1651298	1645089	0.96	cps
Thallium	203-1	69206	68334	67516	68352	1.24	cps
Thallium	205-1	160351	161627	162747	161575	0.74	cps
Tin	118-1	240071	244551	242005	242209	0.93	cps
Titanium	47-1	1602617	1580183	1568102	1583634	1.11	cps
Uranium	238-1	183	167	83	144	37.09	cps
Vanadium	51-2	12739	12696	12396	12610	1.48	cps
Yttrium	89-1	5502466	5626216	5718482	5615721	1.93	cps
Yttrium	89-2	262363	262100	269178	264547	1.52	cps
Zinc	66-2	5294	5051	5194	5180	2.36	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:24:43	DataFile Name :	020ICSB_P8122118 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	692	575	692	653	10.32	cps
Zirconium	91-1	117	133	142	131	9.75	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV99	Instrumnet Name :	P8
Client Sample ID :	CCV99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:28:02	DataFile Name :	021CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	464609	460463	453737	459603	1.19	cps
Antimony	121-1	3148830	3109449	3085979	3114753	1.02	cps
Arsenic	75-2	60435	60926	60130	60497	0.66	cps
Barium	135-1	3096131	3046857	3024442	3055810	1.20	cps
Barium	137-1	5264184	5237991	5254204	5252126	0.25	cps
Beryllium	9-1	349827	351679	353481	351662	0.52	cps
Bismuth	209-1	3197098	3215677	3033310	3148695	3.19	cps
Bismuth	209-2	1218519	1216993	1194772	1210094	1.10	cps
Boron	10-1	47003	47664	47680	47449	0.81	cps
Boron	11-1	241537	245936	250922	246132	1.91	cps
Cadmium	111-1	705742	706473	710866	707694	0.39	cps
Cadmium	106-1	76283	77415	78093	77264	1.18	cps
Cadmium	108-1	51499	51858	51277	51544	0.57	cps
Calcium	43-1	4224581	4301624	4256440	4260882	0.91	cps
Calcium	44-1	68571801	68148336	68463271	68394469	0.32	cps
Chromium	52-2	515847	508603	511026	511825	0.72	cps
Cobalt	59-2	985184	978924	969780	977963	0.79	cps
Copper	63-2	1638828	1605709	1614852	1619796	1.06	cps
Dysprosium	156-1	108	75	108	97	19.80	cps
Dysprosium	156-2	10	17	17	14	26.66	cps
Erbium	164-1	8	25	8	14	69.31	cps
Erbium	164-2	3	10	10	8	49.52	cps
Gadolinium	160-1	83	50	58	64	27.15	cps
Gadolinium	160-2	37	17	23	26	39.85	cps
Holmium	165-1	5790108	5772828	5422890	5661942	3.66	cps
Holmium	165-2	1806311	1847089	1798118	1817173	1.44	cps
Indium	115-1	5173573	5085523	4902641	5053912	2.73	cps
Indium	115-2	339977	343149	343465	342197	0.56	cps
Iron	56-2	86317649	87163316	85815544	86432170	0.79	cps
Iron	57-2	2243039	2253363	2213303	2236568	0.93	cps
Krypton	83-1	663	663	730	686	5.61	cps
Lead	206-1	1463939	1455887	1433981	1451269	1.07	cps
Lead	207-1	1323942	1317887	1287498	1309776	1.49	cps
Lead	208-1	5982304	5999692	5840269	5940755	1.47	cps
Lithium	6-1	450527	450595	439079	446734	1.48	cps
Magnesium	24-2	10052520	9893846	9843272	9929879	1.10	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV99	Instrumnet Name :	P8
Client Sample ID :	CCV99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:28:02	DataFile Name :	021CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	305774	310189	303932	306632	1.05	cps
Molybdenum	94-1	5846618	5716199	5824850	5795889	1.21	cps
Molybdenum	95-1	7082749	7003413	7104261	7063474	0.75	cps
Molybdenum	96-1	7907905	7882673	7823317	7871298	0.55	cps
Molybdenum	97-1	4465161	4390607	4412028	4422599	0.87	cps
Molybdenum	98-1	11425415	11417713	11318673	11387267	0.52	cps
Neodymium	150-1	133	167	160	153	11.50	cps
Neodymium	150-2	37	17	3	19	88.83	cps
Nickel	60-2	292651	293251	289926	291943	0.61	cps
Phosphorus	31-2	6443	6577	6218	6413	2.83	cps
Potassium	39-2	2775295	2784058	2761646	2773666	0.41	cps
Rhodium	103-1	5190178	5089480	4880744	5053467	3.12	cps
Rhodium	103-2	1901347	1858249	1886336	1881978	1.16	cps
Scandium	45-1	3988998	3934347	3746675	3890006	3.27	cps
Scandium	45-2	48373	48263	50109	48915	2.12	cps
Selenium	77-2	473	490	463	476	2.83	cps
Selenium	78-2	1580	1591	1589	1587	0.38	cps
Selenium	82-1	49384	49597	49724	49568	0.35	cps
Silicon	28-1	2054633	2116812	2122639	2098028	1.80	cps
Silver	109-1	3241599	3227597	3233858	3234351	0.22	cps
Silver	107-1	3422441	3435712	3457768	3438640	0.52	cps
Sodium	23-2	20961385	20888254	20619998	20823213	0.86	cps
Strontium	86-1	897335	890556	906344	898079	0.88	cps
Strontium	88-1	7573893	7570694	7564649	7569745	0.06	cps
Sulfur	34-1	724265	729066	726260	726530	0.33	cps
Terbium	159-1	6016115	6034344	5824088	5958182	1.96	cps
Terbium	159-2	1796196	1819931	1805090	1807072	0.66	cps
Thallium	203-1	1824113	1844044	1811410	1826522	0.90	cps
Thallium	205-1	4352632	4383715	4385511	4373953	0.42	cps
Tin	118-1	2154808	2141731	2130203	2142247	0.57	cps
Titanium	47-1	2163111	2171754	2217967	2184278	1.35	cps
Uranium	238-1	5591135	5520481	5499600	5537072	0.87	cps
Vanadium	51-2	365559	359170	359961	361563	0.96	cps
Yttrium	89-1	5957989	5901688	5767745	5875807	1.66	cps
Yttrium	89-2	290007	288171	290530	289569	0.43	cps
Zinc	66-2	173687	170879	170166	171577	1.08	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV99	Instrumnet Name :	P8
Client Sample ID :	CCV99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:28:02	DataFile Name :	021CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4827190	4837125	4937865	4867393	1.26	cps
Zirconium	91-1	1072572	1060682	1080360	1071205	0.93	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB99 Instrumnet Name : P8
 Client Sample ID : CCB99 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:33:05 DataFile Name : 022CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	35	38	45	39	13.28	cps
Antimony	121-1	1033	1167	1283	1161	10.77	cps
Arsenic	75-2	2	9	15	9	75.28	cps
Barium	135-1	25	33	25	28	17.31	cps
Barium	137-1	67	67	92	75	19.24	cps
Beryllium	9-1	60	70	40	57	26.96	cps
Bismuth	209-1	3309583	3584550	3220563	3371565	5.63	cps
Bismuth	209-2	1260206	1345459	1327517	1311061	3.43	cps
Boron	10-1	800	825	883	836	5.11	cps
Boron	11-1	4292	4151	4401	4281	2.93	cps
Cadmium	111-1	1246	1223	1311	1260	3.61	cps
Cadmium	106-1	1767	1750	1867	1795	3.52	cps
Cadmium	108-1	29	21	13	21	40.01	cps
Calcium	43-1	447	500	493	480	6.05	cps
Calcium	44-1	75981	69504	64189	69891	8.45	cps
Chromium	52-2	1300	1287	1263	1283	1.45	cps
Cobalt	59-2	80	73	83	79	6.46	cps
Copper	63-2	340	450	353	381	15.75	cps
Dysprosium	156-1	17	25	8	17	50.01	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	8	83	8	33	129.92	cps
Erbium	164-2	7	3	3	4	43.40	cps
Gadolinium	160-1	58	25	58	47	40.76	cps
Gadolinium	160-2	10	7	13	10	33.30	cps
Holmium	165-1	5588706	6097451	5523429	5736529	5.48	cps
Holmium	165-2	1746039	1894402	1863841	1834761	4.27	cps
Indium	115-1	5192146	5540256	5044437	5258946	4.84	cps
Indium	115-2	342627	368516	361443	357529	3.74	cps
Iron	56-2	2600	2550	2478	2543	2.42	cps
Iron	57-2	128	56	78	87	42.50	cps
Krypton	83-1	683	763	687	711	6.36	cps
Lead	206-1	739	661	633	678	8.07	cps
Lead	207-1	628	467	511	535	15.55	cps
Lead	208-1	2872	2445	2495	2604	8.98	cps
Lithium	6-1	472055	501413	458102	477190	4.63	cps
Magnesium	24-2	267	292	283	281	4.54	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB99 Instrumnet Name : P8
 Client Sample ID : CCB99 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:33:05 DataFile Name : 022CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	40	70	43	51	32.17	cps
Molybdenum	94-1	400	342	458	400	14.58	cps
Molybdenum	95-1	283	350	400	344	16.99	cps
Molybdenum	96-1	333	450	383	389	15.05	cps
Molybdenum	97-1	308	358	308	325	8.88	cps
Molybdenum	98-1	500	450	525	492	7.77	cps
Neodymium	150-1	0	7	13	7	99.98	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	67	87	47	67	30.00	cps
Phosphorus	31-2	8	17	25	17	50.01	cps
Potassium	39-2	6352	6110	6177	6213	2.01	cps
Rhodium	103-1	5268724	5653134	5052890	5324916	5.71	cps
Rhodium	103-2	1961649	2059106	1987584	2002780	2.52	cps
Scandium	45-1	3873467	4138356	3773555	3928459	4.80	cps
Scandium	45-2	46330	48611	47396	47446	2.41	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	4	0	1	173.21	cps
Selenium	82-1	-119	-166	-78	-121	-36.30	cps
Silicon	28-1	343921	345432	349751	346368	0.87	cps
Silver	109-1	358	267	242	289	21.26	cps
Silver	107-1	417	300	308	342	19.05	cps
Sodium	23-2	20223	20090	19539	19951	1.82	cps
Strontium	86-1	925	875	950	917	4.17	cps
Strontium	88-1	117	92	142	117	21.43	cps
Sulfur	34-1	477128	479162	485594	480628	0.92	cps
Terbium	159-1	5809854	6421459	5698517	5976610	6.51	cps
Terbium	159-2	1788083	1904945	1860988	1851339	3.19	cps
Thallium	203-1	567	625	658	617	7.52	cps
Thallium	205-1	1517	1500	1417	1478	3.63	cps
Tin	118-1	392	367	450	403	10.62	cps
Titanium	47-1	175	150	100	142	26.95	cps
Uranium	238-1	33	17	92	47	83.40	cps
Vanadium	51-2	27	3	17	16	75.27	cps
Yttrium	89-1	5872732	6293913	5715396	5960680	5.02	cps
Yttrium	89-2	278286	298436	289325	288683	3.50	cps
Zinc	66-2	307	273	280	287	6.15	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB99	Instrumnet Name :	P8
Client Sample ID :	CCB99	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:33:05	DataFile Name :	022CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	625	583	500	569	11.18	cps
Zirconium	91-1	150	200	108	153	30.04	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:36:30 DataFile Name : 023LLCC_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	240	158	193	197	21.06	cps
Antimony	121-1	11772	11222	11464	11486	2.40	cps
Arsenic	75-2	109	107	148	122	18.92	cps
Barium	135-1	11847	11214	11439	11500	2.79	cps
Barium	137-1	19832	19933	19782	19849	0.39	cps
Beryllium	9-1	727	677	697	700	3.59	cps
Bismuth	209-1	3368863	3479645	3388410	3412306	1.73	cps
Bismuth	209-2	1345289	1316548	1333855	1331898	1.09	cps
Boron	10-1	2567	2675	2500	2581	3.42	cps
Boron	11-1	12923	13632	13006	13187	2.94	cps
Cadmium	111-1	2463	2545	2707	2572	4.82	cps
Cadmium	106-1	1692	1934	1992	1872	8.50	cps
Cadmium	108-1	96	138	138	124	19.46	cps
Calcium	43-1	8263	8426	8586	8425	1.92	cps
Calcium	44-1	199372	196448	193715	196512	1.44	cps
Chromium	52-2	3087	3200	2977	3088	3.62	cps
Cobalt	59-2	1994	1950	2084	2009	3.39	cps
Copper	63-2	3624	3641	3551	3605	1.33	cps
Dysprosium	156-1	0	17	8	8	100.02	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	0	8	42	17	132.30	cps
Erbium	164-2	7	0	3	3	100.05	cps
Gadolinium	160-1	117	42	50	69	59.19	cps
Gadolinium	160-2	10	3	3	6	69.34	cps
Holmium	165-1	5746831	5878837	5775876	5800515	1.20	cps
Holmium	165-2	1877118	1855745	1822861	1851908	1.48	cps
Indium	115-1	5258942	5451127	5358723	5356264	1.79	cps
Indium	115-2	360570	359092	359530	359731	0.21	cps
Iron	56-2	37267	36883	37635	37261	1.01	cps
Iron	57-2	867	967	922	919	5.46	cps
Krypton	83-1	777	700	737	738	5.20	cps
Lead	206-1	3173	3389	3189	3251	3.71	cps
Lead	207-1	2934	2917	3012	2954	1.71	cps
Lead	208-1	12703	13631	13209	13181	3.53	cps
Lithium	6-1	465993	474789	468103	469628	0.98	cps
Magnesium	24-2	18196	18596	19256	18682	2.86	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:36:30	DataFile Name :	023LLCC_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	247	330	330	302	15.92	cps
Molybdenum	94-1	10913	11322	11455	11230	2.52	cps
Molybdenum	95-1	13007	13891	13349	13415	3.32	cps
Molybdenum	96-1	15801	14867	15977	15548	3.84	cps
Molybdenum	97-1	8845	8753	9053	8884	1.73	cps
Molybdenum	98-1	21944	21393	21760	21699	1.29	cps
Neodymium	150-1	0	0	7	2	173.21	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	670	643	633	649	2.92	cps
Phosphorus	31-2	33	25	50	36	35.25	cps
Potassium	39-2	16752	16293	15910	16318	2.59	cps
Rhodium	103-1	5449680	5524096	5440448	5471408	0.84	cps
Rhodium	103-2	2031180	1999834	2022466	2017827	0.80	cps
Scandium	45-1	3861002	4014232	3988426	3954553	2.07	cps
Scandium	45-2	48738	47099	47865	47900	1.71	cps
Selenium	77-2	7	7	3	6	34.70	cps
Selenium	78-2	17	15	31	21	43.53	cps
Selenium	82-1	344	436	353	378	13.34	cps
Silicon	28-1	374309	381005	373647	376320	1.08	cps
Silver	109-1	6819	6277	6227	6441	5.10	cps
Silver	107-1	6910	6944	7044	6966	1.00	cps
Sodium	23-2	59986	59098	57726	58937	1.93	cps
Strontium	86-1	2309	2275	2275	2286	0.84	cps
Strontium	88-1	13816	13774	14492	14027	2.87	cps
Sulfur	34-1	479268	483375	481117	481253	0.43	cps
Terbium	159-1	6038153	6167059	6126120	6110444	1.08	cps
Terbium	159-2	1874723	1847164	1857683	1859857	0.75	cps
Thallium	203-1	4034	4118	3876	4009	3.06	cps
Thallium	205-1	8987	9270	9471	9243	2.63	cps
Tin	118-1	20158	20667	20700	20508	1.48	cps
Titanium	47-1	3559	4459	4543	4187	13.03	cps
Uranium	238-1	9929	10563	10330	10274	3.12	cps
Vanadium	51-2	3684	3367	3521	3524	4.49	cps
Yttrium	89-1	5882815	6126852	6006327	6005331	2.03	cps
Yttrium	89-2	291928	288964	291369	290754	0.54	cps
Zinc	66-2	587	630	660	626	5.89	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:36:30	DataFile Name :	023LLCC_P8122118 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	9037	9045	9028	9037	0.09	cps
Zirconium	91-1	1759	2059	1792	1870	8.80	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : PB115850BL Instrumnet Name : P8
 Client Sample ID : PB115850BL Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:39:55 DataFile Name : 024CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40	25	28	31	26.06	cps
Antimony	121-1	233	367	367	322	23.89	cps
Arsenic	75-2	2	2	11	5	108.30	cps
Barium	135-1	17	33	25	25	33.32	cps
Barium	137-1	17	17	33	22	43.28	cps
Beryllium	9-1	63	23	27	38	58.75	cps
Bismuth	209-1	3085092	3407000	3219035	3237042	5.00	cps
Bismuth	209-2	1335536	1198542	1238534	1257537	5.60	cps
Boron	10-1	408	433	383	408	6.12	cps
Boron	11-1	2192	1800	2159	2050	10.59	cps
Cadmium	111-1	1287	1146	1208	1214	5.85	cps
Cadmium	106-1	1842	1634	1734	1736	6.00	cps
Cadmium	108-1	21	21	25	22	10.84	cps
Calcium	43-1	407	400	433	413	4.27	cps
Calcium	44-1	69642	62612	58485	63580	8.87	cps
Chromium	52-2	1363	1373	1400	1379	1.37	cps
Cobalt	59-2	80	107	83	90	16.14	cps
Copper	63-2	263	303	330	299	11.23	cps
Dysprosium	156-1	25	0	17	14	91.65	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	25	8	17	17	50.01	cps
Erbium	164-2	7	7	0	4	86.60	cps
Gadolinium	160-1	33	33	33	33	0.00	cps
Gadolinium	160-2	7	3	7	6	34.70	cps
Holmium	165-1	5258469	5816484	5446442	5507132	5.16	cps
Holmium	165-2	1872946	1693561	1737285	1767931	5.29	cps
Indium	115-1	4993057	5351889	5104061	5149669	3.57	cps
Indium	115-2	373048	330031	340523	347867	6.45	cps
Iron	56-2	2100	2678	2595	2458	12.71	cps
Iron	57-2	100	61	67	76	27.71	cps
Krypton	83-1	673	847	707	742	12.39	cps
Lead	206-1	417	550	361	443	21.93	cps
Lead	207-1	361	428	389	393	8.53	cps
Lead	208-1	1633	1772	1706	1704	4.08	cps
Lithium	6-1	402839	445529	429682	426017	5.07	cps
Magnesium	24-2	317	217	317	283	20.38	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BL	Instrumnet Name :	P8
Client Sample ID :	PB115850BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:39:55	DataFile Name :	024CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	47	47	60	51	15.06	cps
Molybdenum	94-1	200	275	308	261	21.25	cps
Molybdenum	95-1	83	42	25	50	60.09	cps
Molybdenum	96-1	133	125	158	139	12.49	cps
Molybdenum	97-1	308	242	258	269	12.88	cps
Molybdenum	98-1	167	142	183	164	12.80	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	93	57	80	77	24.21	cps
Phosphorus	31-2	17	8	17	14	34.67	cps
Potassium	39-2	5893	6368	6060	6107	3.95	cps
Rhodium	103-1	5115296	5489682	5200910	5268629	3.72	cps
Rhodium	103-2	2083637	1865899	1879755	1943097	6.27	cps
Scandium	45-1	3700929	3928924	3747844	3792566	3.17	cps
Scandium	45-2	49250	45062	44764	46359	5.41	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	0	4	2	2	100.00	cps
Selenium	82-1	-89	-210	-186	-162	-39.40	cps
Silicon	28-1	344614	347671	351323	347869	0.97	cps
Silver	109-1	108	142	208	153	33.33	cps
Silver	107-1	225	158	133	172	27.51	cps
Sodium	23-2	17837	17145	17520	17500	1.98	cps
Strontium	86-1	875	917	1025	939	8.25	cps
Strontium	88-1	50	92	125	89	42.28	cps
Sulfur	34-1	484448	473268	475996	477904	1.22	cps
Terbium	159-1	5531258	6161885	5838509	5843884	5.40	cps
Terbium	159-2	1901227	1695972	1754864	1784021	5.92	cps
Thallium	203-1	367	400	342	369	7.92	cps
Thallium	205-1	875	800	842	839	4.48	cps
Tin	118-1	275	250	333	286	14.95	cps
Titanium	47-1	142	83	150	125	29.06	cps
Uranium	238-1	25	0	33	19	89.21	cps
Vanadium	51-2	13	7	10	10	33.30	cps
Yttrium	89-1	5545657	6001618	5675728	5741001	4.09	cps
Yttrium	89-2	299971	270918	276615	282502	5.45	cps
Zinc	66-2	117	120	160	132	18.24	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BL	Instrumnet Name :	P8
Client Sample ID :	PB115850BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:39:55	DataFile Name :	024CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	458	408	433	433	5.77	cps
Zirconium	91-1	58	75	125	86	40.29	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : PB115850BS Instrumnet Name : P8
 Client Sample ID : PB115850BS Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:43:20 DataFile Name : 025LCS6_P8122118 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	84904	84313	84070	84429	0.51	cps
Antimony	121-1	3020661	3052535	3068381	3047192	0.80	cps
Arsenic	75-2	59749	58845	59176	59257	0.77	cps
Barium	135-1	2979197	2962514	2994743	2978818	0.54	cps
Barium	137-1	5129821	5087298	5162608	5126576	0.74	cps
Beryllium	9-1	347312	349323	352257	349630	0.71	cps
Bismuth	209-1	3365003	3494224	3340209	3399812	2.43	cps
Bismuth	209-2	1256288	1296176	1177080	1243182	4.88	cps
Boron	10-1	44269	47488	46334	46030	3.54	cps
Boron	11-1	232619	241047	242541	238736	2.24	cps
Cadmium	111-1	699778	707454	710303	705845	0.77	cps
Cadmium	106-1	76040	77196	77473	76903	0.99	cps
Cadmium	108-1	50816	50913	50938	50889	0.13	cps
Calcium	43-1	846917	855037	856629	852861	0.61	cps
Calcium	44-1	13491747	13643901	13798310	13644652	1.12	cps
Chromium	52-2	490239	488363	482767	487123	0.80	cps
Cobalt	59-2	961760	953869	951205	955611	0.57	cps
Copper	63-2	1654901	1647769	1613463	1638711	1.35	cps
Dysprosium	156-1	50	25	50	42	34.64	cps
Dysprosium	156-2	20	7	3	10	88.20	cps
Erbium	164-1	25	33	33	31	15.74	cps
Erbium	164-2	3	7	7	6	34.70	cps
Gadolinium	160-1	58	42	8	36	70.51	cps
Gadolinium	160-2	13	3	3	7	86.65	cps
Holmium	165-1	5859984	6116739	5846064	5940929	2.57	cps
Holmium	165-2	1839679	1892101	1683465	1805082	6.01	cps
Indium	115-1	5347695	5551016	5288161	5395624	2.55	cps
Indium	115-2	342128	354670	323986	340261	4.53	cps
Iron	56-2	17383295	17161822	16851289	17132135	1.56	cps
Iron	57-2	433009	431594	427659	430754	0.64	cps
Krypton	83-1	700	777	737	738	5.20	cps
Lead	206-1	1424037	1447100	1457488	1442875	1.19	cps
Lead	207-1	1302283	1308359	1309324	1306655	0.29	cps
Lead	208-1	5889747	5935919	5927721	5917796	0.42	cps
Lithium	6-1	490981	499073	487077	492377	1.24	cps
Magnesium	24-2	2009716	2016530	2002363	2009537	0.35	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : PB115850BS Instrumnet Name : P8
 Client Sample ID : PB115850BS Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:43:20 DataFile Name : 025LCS6_P8122118 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	301543	293942	295874	297119	1.33	cps
Molybdenum	94-1	5507873	5661608	5601902	5590461	1.39	cps
Molybdenum	95-1	6829552	6834225	6936368	6866715	0.88	cps
Molybdenum	96-1	7668420	7678708	7763019	7703382	0.67	cps
Molybdenum	97-1	4255553	4355192	4396839	4335861	1.67	cps
Molybdenum	98-1	10882522	11125943	11087321	11031929	1.19	cps
Neodymium	150-1	140	113	60	104	39.00	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	285912	282032	284615	284186	0.70	cps
Phosphorus	31-2	5993	6202	6235	6143	2.13	cps
Potassium	39-2	543484	539725	538982	540730	0.45	cps
Rhodium	103-1	5309498	5527973	5354591	5397354	2.14	cps
Rhodium	103-2	1924589	1962307	1811842	1899579	4.12	cps
Scandium	45-1	4025848	4150249	4036468	4070855	1.69	cps
Scandium	45-2	47500	48885	45036	47140	4.14	cps
Selenium	77-2	413	473	493	460	9.05	cps
Selenium	78-2	1513	1463	1565	1514	3.36	cps
Selenium	82-1	48610	49026	49018	48885	0.49	cps
Silicon	28-1	2118951	2204154	2237894	2187000	2.80	cps
Silver	109-1	3246270	3254296	3290874	3263813	0.73	cps
Silver	107-1	3446405	3444804	3478223	3456477	0.55	cps
Sodium	23-2	4204426	4219920	4211663	4212003	0.18	cps
Strontium	86-1	876797	878745	881082	878875	0.24	cps
Strontium	88-1	7410191	7445121	7414863	7423392	0.26	cps
Sulfur	34-1	720866	724408	724252	723175	0.28	cps
Terbium	159-1	6226096	6327526	6116466	6223363	1.70	cps
Terbium	159-2	1819856	1897478	1723219	1813518	4.81	cps
Thallium	203-1	1814330	1835072	1840569	1829990	0.76	cps
Thallium	205-1	4352470	4411289	4452139	4405299	1.14	cps
Tin	118-1	2124494	2128969	2137829	2130430	0.32	cps
Titanium	47-1	2115960	2090459	2126095	2110838	0.87	cps
Uranium	238-1	5257392	5375370	5368929	5333897	1.24	cps
Vanadium	51-2	350272	347951	347965	348729	0.38	cps
Yttrium	89-1	6084656	6291474	6077698	6151276	1.97	cps
Yttrium	89-2	284804	296699	266873	282792	5.31	cps
Zinc	66-2	170379	171419	169322	170374	0.62	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	PB115850BS	Instrumnet Name :	P8
Client Sample ID :	PB115850BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:43:20	DataFile Name :	025LCS6_P8122118 MS.

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4732701	4699222	4720939	4717620	0.36	cps
Zirconium	91-1	1031906	1042904	1043072	1039294	0.62	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:46:36	DataFile Name :	026SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1245242	1261499	1260863	1255868	0.73	cps
Antimony	121-1	2292	2417	2659	2456	7.59	cps
Arsenic	75-2	5977	6170	6153	6100	1.75	cps
Barium	135-1	2088965	2063966	2101546	2084826	0.92	cps
Barium	137-1	3554966	3564426	3608934	3576108	0.81	cps
Beryllium	9-1	5094	4878	4838	4936	2.80	cps
Bismuth	209-1	3083319	3077896	3124954	3095390	0.83	cps
Bismuth	209-2	1166365	1185222	1119124	1156904	2.94	cps
Boron	10-1	1433	1350	1250	1345	6.83	cps
Boron	11-1	6819	6885	6218	6641	5.53	cps
Cadmium	111-1	3333	3495	3541	3456	3.16	cps
Cadmium	106-1	2484	2725	2675	2628	4.86	cps
Cadmium	108-1	342	317	379	346	9.10	cps
Calcium	43-1	153046	153602	156564	154404	1.22	cps
Calcium	44-1	2598428	2544304	2546004	2562912	1.20	cps
Chromium	52-2	138309	139527	141243	139693	1.06	cps
Cobalt	59-2	188078	187550	190274	188634	0.77	cps
Copper	63-2	223036	224769	226740	224848	0.82	cps
Dysprosium	156-1	71379	69763	70969	70703	1.19	cps
Dysprosium	156-2	22627	22840	23174	22880	1.21	cps
Erbium	164-1	61036	61630	61875	61514	0.70	cps
Erbium	164-2	18477	18303	18380	18387	0.47	cps
Gadolinium	160-1	66261	68120	66739	67040	1.44	cps
Gadolinium	160-2	27055	27325	26704	27028	1.15	cps
Holmium	165-1	5484026	5505915	5554661	5514867	0.66	cps
Holmium	165-2	1734415	1746212	1653145	1711257	2.96	cps
Indium	115-1	5064914	5008566	5095834	5056438	0.88	cps
Indium	115-2	332924	338679	315136	328913	3.73	cps
Iron	56-2	204339393	207280788	208402155	206674112	1.02	cps
Iron	57-2	5257755	5201844	5268647	5242748	0.68	cps
Krypton	83-1	737	817	893	816	9.61	cps
Lead	206-1	1012249	1043966	1024623	1026946	1.56	cps
Lead	207-1	858617	881273	883130	874340	1.56	cps
Lead	208-1	4010203	4130784	4125909	4088965	1.67	cps
Lithium	6-1	463996	466855	470790	467214	0.73	cps
Magnesium	24-2	1647191	1639484	1666372	1651016	0.84	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:46:36	DataFile Name :	026SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	4798050	4771717	4800283	4790017	0.33	cps
Molybdenum	94-1	99966	99070	99841	99626	0.49	cps
Molybdenum	95-1	9429	9028	9687	9381	3.54	cps
Molybdenum	96-1	26360	26393	26986	26580	1.33	cps
Molybdenum	97-1	5985	5702	6093	5927	3.41	cps
Molybdenum	98-1	13983	14442	14650	14358	2.38	cps
Neodymium	150-1	87282	89161	90376	88940	1.75	cps
Neodymium	150-2	18063	18066	17993	18040	0.23	cps
Nickel	60-2	93676	94139	94226	94014	0.31	cps
Phosphorus	31-2	4568	4809	4926	4768	3.84	cps
Potassium	39-2	107072	107477	108802	107784	0.84	cps
Rhodium	103-1	5160305	5107406	5093410	5120374	0.69	cps
Rhodium	103-2	1841592	1879640	1751529	1824254	3.61	cps
Scandium	45-1	4133695	4055136	4089032	4092621	0.96	cps
Scandium	45-2	48303	49651	47527	48494	2.22	cps
Selenium	77-2	130	167	163	153	13.22	cps
Selenium	78-2	100	83	65	83	21.28	cps
Selenium	82-1	260	192	180	210	20.49	cps
Silicon	28-1	3414483	3439539	3462627	3438883	0.70	cps
Silver	109-1	2850	3084	3217	3050	6.09	cps
Silver	107-1	3151	3201	3584	3312	7.16	cps
Sodium	23-2	87293	88449	87796	87846	0.66	cps
Strontium	86-1	138362	138042	137908	138104	0.17	cps
Strontium	88-1	1177303	1178689	1187299	1181097	0.46	cps
Sulfur	34-1	421189	413877	411332	415466	1.23	cps
Terbium	159-1	5809227	5776786	5813432	5799815	0.35	cps
Terbium	159-2	1734811	1797341	1664015	1732056	3.85	cps
Thallium	203-1	3734	3759	3851	3781	1.62	cps
Thallium	205-1	8887	8453	8970	8770	3.17	cps
Tin	118-1	10738	10663	11130	10844	2.31	cps
Titanium	47-1	62022	67726	61422	63723	5.46	cps
Uranium	238-1	32184	31633	31917	31911	0.86	cps
Vanadium	51-2	134377	134546	135152	134692	0.30	cps
Yttrium	89-1	6964756	6879876	6915463	6920032	0.62	cps
Yttrium	89-2	329248	331770	312270	324429	3.27	cps
Zinc	66-2	143288	144116	145928	144444	0.93	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:46:36	DataFile Name :	026SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	260847	261885	261847	261527	0.23	cps
Zirconium	91-1	56786	57012	57790	57196	0.92	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-02 Instrumnet Name : P8
 Client Sample ID : P001-SS024-0006-01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 17:49:57 DataFile Name : 027SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	416839	416660	415327	416275	0.20	cps
Antimony	121-1	3992	3834	3901	3909	2.03	cps
Arsenic	75-2	1863	1832	1845	1846	0.86	cps
Barium	135-1	1808598	1811012	1788588	1802733	0.68	cps
Barium	137-1	3067076	3125768	3136736	3109860	1.20	cps
Beryllium	9-1	1667	1780	1763	1737	3.52	cps
Bismuth	209-1	3155801	3015840	2979476	3050372	3.05	cps
Bismuth	209-2	1201160	1126894	1202399	1176818	3.67	cps
Boron	10-1	1133	942	1083	1053	9.44	cps
Boron	11-1	5284	5426	5151	5287	2.60	cps
Cadmium	111-1	7555	7581	7829	7655	1.98	cps
Cadmium	106-1	2725	2592	2567	2628	3.24	cps
Cadmium	108-1	513	592	533	546	7.52	cps
Calcium	43-1	402272	400021	404205	402166	0.52	cps
Calcium	44-1	6609632	6461528	6603763	6558308	1.28	cps
Chromium	52-2	52378	53034	52769	52727	0.63	cps
Cobalt	59-2	40901	41298	42271	41490	1.70	cps
Copper	63-2	267782	265997	267946	267242	0.40	cps
Dysprosium	156-1	47688	46759	47755	47401	1.17	cps
Dysprosium	156-2	15726	15900	15913	15846	0.66	cps
Erbium	164-1	40740	40999	40146	40628	1.08	cps
Erbium	164-2	12036	12570	12356	12320	2.18	cps
Gadolinium	160-1	47513	47505	46835	47284	0.82	cps
Gadolinium	160-2	18897	19598	18954	19150	2.03	cps
Holmium	165-1	5564606	5426406	5327519	5439510	2.19	cps
Holmium	165-2	1772178	1647327	1761233	1726913	4.00	cps
Indium	115-1	5247976	5063193	4886053	5065741	3.57	cps
Indium	115-2	352898	328103	351206	344069	4.03	cps
Iron	56-2	40167184	40226438	40198425	40197349	0.07	cps
Iron	57-2	992787	1014411	1015547	1007582	1.27	cps
Krypton	83-1	813	830	780	808	3.15	cps
Lead	206-1	375845	374646	371088	373860	0.66	cps
Lead	207-1	312040	311622	308006	310556	0.71	cps
Lead	208-1	1455245	1453896	1448096	1452412	0.26	cps
Lithium	6-1	441218	421118	419733	427356	2.81	cps
Magnesium	24-2	299424	295609	295700	296911	0.73	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:49:57	DataFile Name :	027SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	277301	279575	279681	278852	0.48	cps
Molybdenum	94-1	46229	45311	46857	46132	1.69	cps
Molybdenum	95-1	9646	9445	9387	9493	1.43	cps
Molybdenum	96-1	16878	17428	17604	17303	2.19	cps
Molybdenum	97-1	5885	5952	6210	6015	2.85	cps
Molybdenum	98-1	14700	15142	14667	14836	1.79	cps
Neodymium	150-1	57453	57319	57446	57406	0.13	cps
Neodymium	150-2	11478	11552	11338	11456	0.95	cps
Nickel	60-2	35703	36104	36759	36188	1.47	cps
Phosphorus	31-2	2542	2350	2217	2370	6.90	cps
Potassium	39-2	75302	77045	77791	76713	1.66	cps
Rhodium	103-1	5286512	5141429	5047217	5158386	2.34	cps
Rhodium	103-2	1982819	1859685	1953220	1931908	3.33	cps
Scandium	45-1	3983922	3849671	3842819	3892137	2.04	cps
Scandium	45-2	49303	46219	49012	48178	3.53	cps
Selenium	77-2	110	73	107	97	20.97	cps
Selenium	78-2	85	78	67	77	12.18	cps
Selenium	82-1	608	613	625	615	1.43	cps
Silicon	28-1	2762187	2853288	2859029	2824834	1.92	cps
Silver	109-1	2059	2475	2325	2286	9.23	cps
Silver	107-1	2750	2717	2492	2653	5.30	cps
Sodium	23-2	53936	52640	53393	53323	1.22	cps
Strontium	86-1	357865	356726	354244	356278	0.52	cps
Strontium	88-1	3072060	3078307	3056681	3069016	0.36	cps
Sulfur	34-1	725832	715835	710247	717304	1.10	cps
Terbium	159-1	5906154	5699365	5538689	5714736	3.22	cps
Terbium	159-2	1765714	1687069	1741802	1731528	2.33	cps
Thallium	203-1	1217	1233	1292	1247	3.16	cps
Thallium	205-1	2759	2809	2809	2792	1.03	cps
Tin	118-1	6310	6652	6569	6510	2.74	cps
Titanium	47-1	72798	72187	74189	73058	1.40	cps
Uranium	238-1	30472	31566	31508	31182	1.97	cps
Vanadium	51-2	41177	41281	41304	41254	0.16	cps
Yttrium	89-1	6620590	6496660	6395963	6504404	1.73	cps
Yttrium	89-2	325485	306894	325184	319188	3.34	cps
Zinc	66-2	37574	37197	36675	37149	1.22	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:49:57	DataFile Name :	027SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	114773	114571	113942	114429	0.38	cps
Zirconium	91-1	26477	25041	25291	25603	3.00	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:53:20	DataFile Name :	028SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	544922	546321	536922	542722	0.93	cps
Antimony	121-1	3817	3634	3534	3662	3.93	cps
Arsenic	75-2	2300	2309	2456	2355	3.71	cps
Barium	135-1	2702276	2661328	2651811	2671805	1.00	cps
Barium	137-1	4570667	4610344	4539569	4573527	0.78	cps
Beryllium	9-1	2320	2307	2197	2275	2.98	cps
Bismuth	209-1	3016073	3015373	3050279	3027242	0.66	cps
Bismuth	209-2	1159391	1160660	1164579	1161543	0.23	cps
Boron	10-1	675	600	750	675	11.11	cps
Boron	11-1	3867	3867	3884	3873	0.25	cps
Cadmium	111-1	6430	6024	6650	6368	4.98	cps
Cadmium	106-1	2825	2534	2667	2675	5.46	cps
Cadmium	108-1	463	542	496	500	7.95	cps
Calcium	43-1	591127	591591	596342	593020	0.49	cps
Calcium	44-1	9513538	9647263	9571499	9577433	0.70	cps
Chromium	52-2	64692	65643	64719	65018	0.83	cps
Cobalt	59-2	48856	48779	49167	48934	0.42	cps
Copper	63-2	340323	337970	339631	339308	0.36	cps
Dysprosium	156-1	75661	74765	74094	74840	1.05	cps
Dysprosium	156-2	26370	25953	26914	26412	1.83	cps
Erbium	164-1	66479	67594	67785	67286	1.05	cps
Erbium	164-2	19435	19552	20266	19751	2.28	cps
Gadolinium	160-1	78536	78369	77162	78022	0.96	cps
Gadolinium	160-2	31856	32370	31615	31947	1.21	cps
Holmium	165-1	5326548	5339172	5542215	5402645	2.24	cps
Holmium	165-2	1684483	1721016	1703120	1702873	1.07	cps
Indium	115-1	4895705	5012128	4982583	4963472	1.22	cps
Indium	115-2	330822	335093	334369	333428	0.69	cps
Iron	56-2	44702727	44685525	44515193	44634482	0.23	cps
Iron	57-2	1127282	1116731	1118768	1120927	0.50	cps
Krypton	83-1	850	777	763	797	5.86	cps
Lead	206-1	407133	411929	409126	409396	0.59	cps
Lead	207-1	344880	344999	342545	344141	0.40	cps
Lead	208-1	1603201	1607014	1599271	1603162	0.24	cps
Lithium	6-1	412627	414658	416064	414450	0.42	cps
Magnesium	24-2	309051	307260	302936	306416	1.03	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:53:20	DataFile Name :	028SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	223540	225138	223974	224217	0.37	cps
Molybdenum	94-1	66857	69345	69579	68593	2.20	cps
Molybdenum	95-1	13007	13783	13182	13324	3.05	cps
Molybdenum	96-1	24540	23822	24014	24125	1.54	cps
Molybdenum	97-1	8270	8244	8203	8239	0.41	cps
Molybdenum	98-1	20491	21844	21334	21223	3.22	cps
Neodymium	150-1	85786	86196	84900	85628	0.77	cps
Neodymium	150-2	17208	17225	17849	17427	2.10	cps
Nickel	60-2	40111	40268	40720	40366	0.78	cps
Phosphorus	31-2	2617	2759	2509	2628	4.77	cps
Potassium	39-2	64164	65328	63888	64460	1.19	cps
Rhodium	103-1	5060601	5233687	5207818	5167368	1.81	cps
Rhodium	103-2	1892066	1853827	1877352	1874415	1.03	cps
Scandium	45-1	3842092	3909390	3946604	3899362	1.36	cps
Scandium	45-2	47460	47136	46738	47111	0.77	cps
Selenium	77-2	187	167	190	181	6.97	cps
Selenium	78-2	143	135	135	138	3.11	cps
Selenium	82-1	951	984	1100	1012	7.71	cps
Silicon	28-1	5271245	6096057	5221530	5529610	8.88	cps
Silver	109-1	2400	2184	2184	2256	5.55	cps
Silver	107-1	2525	2525	2417	2489	2.51	cps
Sodium	23-2	54990	53870	51368	53409	3.47	cps
Strontium	86-1	541175	543844	537630	540883	0.58	cps
Strontium	88-1	4618743	4637000	4608537	4621427	0.31	cps
Sulfur	34-1	835063	829651	827598	830771	0.46	cps
Terbium	159-1	5691450	5723440	5774738	5729876	0.73	cps
Terbium	159-2	1710296	1715063	1703949	1709769	0.33	cps
Thallium	203-1	1417	1584	1617	1539	6.96	cps
Thallium	205-1	3617	3334	3667	3540	5.08	cps
Tin	118-1	6310	6293	6577	6393	2.49	cps
Titanium	47-1	106336	108620	107485	107480	1.06	cps
Uranium	238-1	44815	45978	45400	45398	1.28	cps
Vanadium	51-2	53499	53301	53204	53335	0.28	cps
Yttrium	89-1	6812606	6897874	6916886	6875789	0.81	cps
Yttrium	89-2	330492	329654	331762	330636	0.32	cps
Zinc	66-2	41502	41843	41833	41726	0.47	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:53:20	DataFile Name :	028SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	171956	173265	172489	172570	0.38	cps
Zirconium	91-1	37336	38623	39233	38397	2.52	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:56:42	DataFile Name :	029SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	627817	618174	624801	623597	0.79	cps
Antimony	121-1	4159	4159	3959	4092	2.82	cps
Arsenic	75-2	4340	4347	4280	4322	0.85	cps
Barium	135-1	2801782	2820603	2815361	2812582	0.35	cps
Barium	137-1	4756535	4835082	4789980	4793866	0.82	cps
Beryllium	9-1	2690	2837	2950	2826	4.61	cps
Bismuth	209-1	3052075	3086165	3068776	3069005	0.56	cps
Bismuth	209-2	1163077	1161277	1145695	1156683	0.83	cps
Boron	10-1	658	633	775	689	10.98	cps
Boron	11-1	3667	3776	3784	3742	1.74	cps
Cadmium	111-1	5812	5757	5909	5826	1.32	cps
Cadmium	106-1	2750	2817	2517	2695	5.85	cps
Cadmium	108-1	467	463	446	458	2.41	cps
Calcium	43-1	665648	659375	663376	662800	0.48	cps
Calcium	44-1	10658651	10786207	10737005	10727288	0.60	cps
Chromium	52-2	78693	78472	79132	78766	0.43	cps
Cobalt	59-2	80313	78292	79250	79285	1.28	cps
Copper	63-2	403868	401718	402828	402805	0.27	cps
Dysprosium	156-1	72728	72686	71806	72407	0.72	cps
Dysprosium	156-2	24383	24393	25158	24645	1.80	cps
Erbium	164-1	65407	65691	65449	65516	0.23	cps
Erbium	164-2	19602	19054	19795	19484	1.97	cps
Gadolinium	160-1	72736	73415	74748	73633	1.39	cps
Gadolinium	160-2	30048	30041	28692	29594	2.64	cps
Holmium	165-1	5501093	5437479	5485041	5474538	0.60	cps
Holmium	165-2	1703328	1714922	1688206	1702152	0.79	cps
Indium	115-1	5069718	5045162	5045416	5053432	0.28	cps
Indium	115-2	338268	341988	332426	337561	1.43	cps
Iron	56-2	72870832	71665260	73339804	72625299	1.19	cps
Iron	57-2	1905657	1842949	1874109	1874238	1.67	cps
Krypton	83-1	787	800	847	811	3.88	cps
Lead	206-1	665894	663938	663243	664359	0.21	cps
Lead	207-1	554624	552549	560395	555856	0.73	cps
Lead	208-1	2586329	2592215	2605433	2594659	0.38	cps
Lithium	6-1	416009	415356	407010	412791	1.22	cps
Magnesium	24-2	556228	553019	555097	554781	0.29	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:56:42	DataFile Name :	029SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	768306	761011	773543	767620	0.82	cps
Molybdenum	94-1	88404	88143	87599	88048	0.47	cps
Molybdenum	95-1	15793	16310	16519	16208	2.31	cps
Molybdenum	96-1	30410	31128	30535	30691	1.25	cps
Molybdenum	97-1	9654	10513	10121	10096	4.26	cps
Molybdenum	98-1	24974	26176	25283	25478	2.45	cps
Neodymium	150-1	83323	86833	84075	84744	2.18	cps
Neodymium	150-2	17272	16744	17485	17167	2.22	cps
Nickel	60-2	56133	56297	56474	56301	0.30	cps
Phosphorus	31-2	3075	2859	3259	3064	6.54	cps
Potassium	39-2	78319	77346	76626	77430	1.10	cps
Rhodium	103-1	5168650	5162925	5074470	5135348	1.03	cps
Rhodium	103-2	1934398	1929219	1864270	1909296	2.05	cps
Scandium	45-1	3954721	3953941	3906185	3938282	0.71	cps
Scandium	45-2	47380	48708	47423	47837	1.58	cps
Selenium	77-2	143	133	137	138	3.70	cps
Selenium	78-2	96	104	104	101	4.23	cps
Selenium	82-1	874	804	863	847	4.46	cps
Silicon	28-1	9950759	10201322	9770227	9974102	2.17	cps
Silver	109-1	2250	2125	2184	2186	2.86	cps
Silver	107-1	2675	2600	2484	2586	3.74	cps
Sodium	23-2	54413	53928	55191	54511	1.17	cps
Strontium	86-1	623814	618021	617508	619781	0.57	cps
Strontium	88-1	5286192	5272687	5271925	5276935	0.15	cps
Sulfur	34-1	743517	752195	743809	746507	0.66	cps
Terbium	159-1	5666924	5735020	5775046	5725663	0.95	cps
Terbium	159-2	1752765	1758019	1691297	1734027	2.14	cps
Thallium	203-1	1584	1684	1525	1597	5.01	cps
Thallium	205-1	4134	4017	3943	4031	2.40	cps
Tin	118-1	9646	9871	9537	9684	1.76	cps
Titanium	47-1	112735	112769	113872	113125	0.57	cps
Uranium	238-1	41696	41763	41546	41668	0.27	cps
Vanadium	51-2	72550	73180	72708	72813	0.45	cps
Yttrium	89-1	6951626	6952641	6995962	6966743	0.36	cps
Yttrium	89-2	337321	336341	327604	333756	1.60	cps
Zinc	66-2	60609	59882	60635	60375	0.71	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 17:56:42	DataFile Name :	029SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	219926	219110	219501	219512	0.19	cps
Zirconium	91-1	48855	49918	49516	49430	1.09	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:00:03	DataFile Name :	030SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	937593	928794	925161	930516	0.69	cps
Antimony	121-1	1325	1333	1367	1342	1.64	cps
Arsenic	75-2	7954	8190	8160	8101	1.58	cps
Barium	135-1	1975729	1947914	1975439	1966360	0.81	cps
Barium	137-1	3392360	3380427	3365700	3379496	0.40	cps
Beryllium	9-1	4017	3857	3967	3947	2.07	cps
Bismuth	209-1	2987838	2993646	3154565	3045350	3.11	cps
Bismuth	209-2	1100497	1066588	1149481	1105522	3.77	cps
Boron	10-1	942	742	917	867	12.57	cps
Boron	11-1	4918	4768	4968	4884	2.13	cps
Cadmium	111-1	4843	4843	5047	4911	2.39	cps
Cadmium	106-1	3159	3317	3526	3334	5.52	cps
Cadmium	108-1	550	513	483	515	6.49	cps
Calcium	43-1	560736	571330	563880	565315	0.96	cps
Calcium	44-1	9074113	9179345	8851697	9035052	1.85	cps
Chromium	52-2	144746	144035	144642	144475	0.27	cps
Cobalt	59-2	196796	194784	195948	195843	0.52	cps
Copper	63-2	666567	664482	662714	664587	0.29	cps
Dysprosium	156-1	129040	129125	125551	127905	1.59	cps
Dysprosium	156-2	44084	43740	43793	43872	0.42	cps
Erbium	164-1	113695	118337	115803	115945	2.00	cps
Erbium	164-2	33891	33132	34055	33693	1.46	cps
Gadolinium	160-1	130860	132697	133678	132412	1.08	cps
Gadolinium	160-2	51980	52351	52596	52309	0.59	cps
Holmium	165-1	5448329	5471256	5680427	5533337	2.31	cps
Holmium	165-2	1620274	1584480	1713671	1639475	4.07	cps
Indium	115-1	4898771	4931175	5223109	5017685	3.56	cps
Indium	115-2	321031	312318	329868	321072	2.73	cps
Iron	56-2	162016093	162709165	160689642	161804967	0.63	cps
Iron	57-2	4137758	4057347	4097721	4097609	0.98	cps
Krypton	83-1	893	917	970	927	4.24	cps
Lead	206-1	783112	781639	772886	779212	0.71	cps
Lead	207-1	650494	654743	647131	650789	0.59	cps
Lead	208-1	3036925	3102753	3035904	3058527	1.25	cps
Lithium	6-1	414247	421770	432146	422721	2.13	cps
Magnesium	24-2	1606475	1593624	1613065	1604388	0.62	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:00:03	DataFile Name :	030SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2452898	2442315	2457413	2450876	0.32	cps
Molybdenum	94-1	149817	152033	150106	150652	0.80	cps
Molybdenum	95-1	18330	17754	18038	18040	1.60	cps
Molybdenum	96-1	43145	42794	43270	43070	0.57	cps
Molybdenum	97-1	10788	11681	11439	11302	4.08	cps
Molybdenum	98-1	28890	27612	27871	28125	2.40	cps
Neodymium	150-1	139918	140565	137810	139431	1.03	cps
Neodymium	150-2	27599	28077	27609	27762	0.98	cps
Nickel	60-2	121602	121945	121713	121753	0.14	cps
Phosphorus	31-2	2700	2975	3050	2909	6.34	cps
Potassium	39-2	165244	162008	162353	163202	1.09	cps
Rhodium	103-1	4954812	5013701	5330962	5099825	3.97	cps
Rhodium	103-2	1805297	1748068	1848598	1800655	2.80	cps
Scandium	45-1	3928396	4029642	4186969	4048336	3.22	cps
Scandium	45-2	48888	46420	49661	48323	3.50	cps
Selenium	77-2	220	190	260	223	15.73	cps
Selenium	78-2	183	146	180	170	12.02	cps
Selenium	82-1	498	522	483	501	3.88	cps
Silicon	28-1	5873996	5293309	5275082	5480796	6.22	cps
Silver	109-1	2634	2834	3067	2845	7.63	cps
Silver	107-1	3251	3417	3326	3331	2.51	cps
Sodium	23-2	71136	70317	71531	70995	0.87	cps
Strontium	86-1	421935	425581	421136	422884	0.56	cps
Strontium	88-1	3638850	3673890	3593102	3635281	1.11	cps
Sulfur	34-1	515349	514515	505841	511901	1.03	cps
Terbium	159-1	5749738	5775355	6010259	5845117	2.46	cps
Terbium	159-2	1656951	1611319	1714522	1660931	3.11	cps
Thallium	203-1	2142	2442	2717	2434	11.82	cps
Thallium	205-1	5810	5543	5710	5688	2.37	cps
Tin	118-1	8420	9512	8887	8940	6.13	cps
Titanium	47-1	77574	79560	79017	78717	1.30	cps
Uranium	238-1	51592	51541	51416	51516	0.18	cps
Vanadium	51-2	99699	98453	98060	98737	0.87	cps
Yttrium	89-1	7707975	7660384	7909438	7759266	1.70	cps
Yttrium	89-2	359900	352555	370793	361083	2.54	cps
Zinc	66-2	121738	120474	120572	120928	0.58	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:00:03	DataFile Name :	030SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	392895	394796	392115	393269	0.35	cps
Zirconium	91-1	86903	88504	85317	86908	1.83	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:03:26	DataFile Name :	031SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	550362	547950	544421	547578	0.55	cps
Antimony	121-1	3576	3751	3676	3667	2.40	cps
Arsenic	75-2	2643	2637	2567	2616	1.62	cps
Barium	135-1	2055616	2061399	2052568	2056528	0.22	cps
Barium	137-1	3534623	3577220	3536375	3549406	0.68	cps
Beryllium	9-1	2237	2050	2100	2129	4.54	cps
Bismuth	209-1	3215665	2901315	3101991	3072990	5.18	cps
Bismuth	209-2	1134073	1149091	1145857	1143007	0.69	cps
Boron	10-1	592	567	525	561	6.00	cps
Boron	11-1	2492	2642	2675	2603	3.75	cps
Cadmium	111-1	5076	5204	5231	5170	1.61	cps
Cadmium	106-1	2509	2417	2542	2489	2.60	cps
Cadmium	108-1	342	400	338	360	9.72	cps
Calcium	43-1	434437	441075	439861	438458	0.81	cps
Calcium	44-1	7018642	7194462	7117073	7110059	1.24	cps
Chromium	52-2	65536	65118	64846	65167	0.53	cps
Cobalt	59-2	63253	63039	63615	63302	0.46	cps
Copper	63-2	276659	277792	279355	277935	0.49	cps
Dysprosium	156-1	55544	56992	54766	55767	2.03	cps
Dysprosium	156-2	18797	19014	18784	18865	0.69	cps
Erbium	164-1	50943	51377	50315	50878	1.05	cps
Erbium	164-2	14805	14375	14872	14684	1.84	cps
Gadolinium	160-1	58399	57804	56298	57500	1.88	cps
Gadolinium	160-2	22423	22453	22596	22491	0.41	cps
Holmium	165-1	5716760	5232293	5579385	5509479	4.53	cps
Holmium	165-2	1666708	1680795	1666400	1671301	0.49	cps
Indium	115-1	5317071	4714818	5105042	5045644	6.05	cps
Indium	115-2	332187	327984	333760	331310	0.90	cps
Iron	56-2	60129951	60400944	59705135	60078677	0.58	cps
Iron	57-2	1547006	1546637	1516838	1536827	1.13	cps
Krypton	83-1	857	747	830	811	7.07	cps
Lead	206-1	443325	439812	437305	440147	0.69	cps
Lead	207-1	366753	367952	362303	365669	0.81	cps
Lead	208-1	1723592	1717642	1693703	1711646	0.92	cps
Lithium	6-1	415665	388115	422259	408680	4.43	cps
Magnesium	24-2	450099	435776	444301	443392	1.62	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:03:26	DataFile Name :	031SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	590856	589140	588069	589355	0.24	cps
Molybdenum	94-1	56946	57397	55305	56549	1.95	cps
Molybdenum	95-1	11989	12531	12381	12301	2.28	cps
Molybdenum	96-1	22795	21919	21618	22111	2.76	cps
Molybdenum	97-1	7678	7527	7969	7725	2.91	cps
Molybdenum	98-1	18638	19673	18421	18911	3.54	cps
Neodymium	150-1	67259	67105	66006	66790	1.02	cps
Neodymium	150-2	13023	13123	13277	13141	0.97	cps
Nickel	60-2	45461	45006	44825	45097	0.73	cps
Phosphorus	31-2	2800	2417	2817	2678	8.45	cps
Potassium	39-2	70369	70854	70737	70653	0.36	cps
Rhodium	103-1	5360918	4879308	5311388	5183871	5.11	cps
Rhodium	103-2	1881851	1890353	1894131	1888778	0.33	cps
Scandium	45-1	4068389	3675253	3972253	3905299	5.25	cps
Scandium	45-2	47028	46450	48019	47166	1.68	cps
Selenium	77-2	133	100	97	110	18.43	cps
Selenium	78-2	107	109	96	104	6.72	cps
Selenium	82-1	731	837	807	792	6.92	cps
Silicon	28-1	2306419	2461070	2267754	2345081	4.36	cps
Silver	109-1	3159	3134	3192	3162	0.93	cps
Silver	107-1	3542	3217	3267	3342	5.24	cps
Sodium	23-2	47539	47313	48048	47633	0.79	cps
Strontium	86-1	408269	408370	403806	406815	0.64	cps
Strontium	88-1	3497085	3517197	3481445	3498575	0.51	cps
Sulfur	34-1	689462	695775	678171	687803	1.30	cps
Terbium	159-1	6021333	5507448	5820631	5783137	4.48	cps
Terbium	159-2	1665119	1681957	1709120	1685398	1.32	cps
Thallium	203-1	1467	1492	1609	1522	4.97	cps
Thallium	205-1	3726	3484	3859	3690	5.15	cps
Tin	118-1	4451	4743	4809	4668	4.08	cps
Titanium	47-1	73982	74801	73469	74084	0.91	cps
Uranium	238-1	36839	37056	35744	36547	1.92	cps
Vanadium	51-2	56089	55436	55219	55581	0.81	cps
Yttrium	89-1	6960983	6321217	6858465	6713555	5.12	cps
Yttrium	89-2	318363	317454	318414	318077	0.17	cps
Zinc	66-2	39944	40523	41415	40628	1.82	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:03:26	DataFile Name :	031SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	136916	142177	137109	138734	2.15	cps
Zirconium	91-1	30251	30978	30560	30596	1.19	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:06:47	DataFile Name :	032SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	616676	611099	606531	611435	0.83	cps
Antimony	121-1	2242	2500	2317	2353	5.65	cps
Arsenic	75-2	3441	3395	3110	3315	5.42	cps
Barium	135-1	2502754	2506380	2467441	2492192	0.86	cps
Barium	137-1	4218329	4285272	4225209	4242937	0.87	cps
Beryllium	9-1	2814	2747	2650	2737	3.00	cps
Bismuth	209-1	3030814	3033800	3011256	3025290	0.40	cps
Bismuth	209-2	1112476	1106296	1088537	1102436	1.13	cps
Boron	10-1	425	475	475	458	6.30	cps
Boron	11-1	2492	2450	2334	2425	3.38	cps
Cadmium	111-1	4384	4387	4241	4337	1.93	cps
Cadmium	106-1	2575	2425	2234	2411	7.10	cps
Cadmium	108-1	421	367	325	371	12.96	cps
Calcium	43-1	811642	816342	828138	818708	1.04	cps
Calcium	44-1	13160937	13148054	13256464	13188485	0.45	cps
Chromium	52-2	73545	72929	73465	73313	0.46	cps
Cobalt	59-2	73603	74223	73332	73719	0.62	cps
Copper	63-2	290972	286311	286463	287915	0.92	cps
Dysprosium	156-1	73827	71462	73700	72996	1.82	cps
Dysprosium	156-2	24557	23979	23448	23994	2.31	cps
Erbium	164-1	66252	64637	65934	65608	1.30	cps
Erbium	164-2	18951	19198	18640	18930	1.48	cps
Gadolinium	160-1	74396	73894	72803	73698	1.10	cps
Gadolinium	160-2	29377	28668	28014	28686	2.38	cps
Holmium	165-1	5355826	5472696	5460529	5429684	1.18	cps
Holmium	165-2	1635439	1636328	1569444	1613737	2.38	cps
Indium	115-1	4938119	4932931	5018373	4963141	0.97	cps
Indium	115-2	325176	316985	316086	319416	1.57	cps
Iron	56-2	63543947	62320851	61823249	62562682	1.42	cps
Iron	57-2	1632750	1629532	1628930	1630404	0.13	cps
Krypton	83-1	723	747	787	752	4.26	cps
Lead	206-1	703546	704691	703765	704001	0.09	cps
Lead	207-1	592757	591503	592094	592118	0.11	cps
Lead	208-1	2771644	2747715	2755995	2758451	0.44	cps
Lithium	6-1	404760	409327	408282	407456	0.59	cps
Magnesium	24-2	596706	591617	595919	594747	0.46	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:06:47	DataFile Name :	032SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	969628	968946	963569	967381	0.34	cps
Molybdenum	94-1	60218	56686	58284	58396	3.03	cps
Molybdenum	95-1	11030	11022	11063	11038	0.20	cps
Molybdenum	96-1	20658	21167	22086	21304	3.40	cps
Molybdenum	97-1	7502	7094	7402	7333	2.90	cps
Molybdenum	98-1	17537	17662	17904	17701	1.06	cps
Neodymium	150-1	83679	83183	84001	83621	0.49	cps
Neodymium	150-2	16914	16657	16043	16538	2.71	cps
Nickel	60-2	46177	46641	46812	46543	0.71	cps
Phosphorus	31-2	2575	2517	2350	2481	4.71	cps
Potassium	39-2	56657	56573	57861	57030	1.26	cps
Rhodium	103-1	5040700	5094202	5023070	5052657	0.73	cps
Rhodium	103-2	1834389	1805944	1768804	1803046	1.82	cps
Scandium	45-1	3902512	3894274	3896396	3897728	0.11	cps
Scandium	45-2	47075	46494	44805	46125	2.56	cps
Selenium	77-2	140	150	177	156	12.19	cps
Selenium	78-2	131	109	98	113	15.02	cps
Selenium	82-1	808	860	867	845	3.81	cps
Silicon	28-1	3576780	3660683	3618088	3618517	1.16	cps
Silver	109-1	3484	3126	3401	3337	5.62	cps
Silver	107-1	3767	4067	3967	3934	3.88	cps
Sodium	23-2	73314	72216	73189	72906	0.82	cps
Strontium	86-1	729937	726564	719779	725427	0.71	cps
Strontium	88-1	6226924	6136712	6112580	6158739	0.98	cps
Sulfur	34-1	674374	682282	685765	680807	0.86	cps
Terbium	159-1	5711529	5685726	5684504	5693919	0.27	cps
Terbium	159-2	1674964	1645493	1584684	1635047	2.82	cps
Thallium	203-1	1934	1917	1942	1931	0.66	cps
Thallium	205-1	4368	4918	4801	4696	6.17	cps
Tin	118-1	6010	5776	5526	5771	4.19	cps
Titanium	47-1	64783	64876	65069	64909	0.22	cps
Uranium	238-1	41420	41479	42206	41702	1.05	cps
Vanadium	51-2	64789	64716	64699	64734	0.07	cps
Yttrium	89-1	7002104	6884903	6855468	6914158	1.12	cps
Yttrium	89-2	325938	319822	317167	320976	1.40	cps
Zinc	66-2	38995	38691	38718	38801	0.43	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:06:47	DataFile Name :	032SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	148578	144433	147440	146817	1.46	cps
Zirconium	91-1	33066	32607	32807	32827	0.70	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P8
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:22:53	DataFile Name :	036CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	455583	455533	461471	457529	0.75	cps
Antimony	121-1	3009107	2996912	2983138	2996386	0.43	cps
Arsenic	75-2	60828	60478	60320	60542	0.43	cps
Barium	135-1	2953412	2926520	2968022	2949318	0.71	cps
Barium	137-1	5018243	4977281	5083296	5026273	1.06	cps
Beryllium	9-1	359508	360962	366480	362317	1.02	cps
Bismuth	209-1	3090678	3088357	3076753	3085263	0.24	cps
Bismuth	209-2	1160511	1170648	1173716	1168292	0.59	cps
Boron	10-1	47296	48650	50197	48714	2.98	cps
Boron	11-1	246977	253304	257850	252710	2.16	cps
Cadmium	111-1	717389	713941	718606	716646	0.34	cps
Cadmium	106-1	76903	76912	77565	77127	0.49	cps
Cadmium	108-1	52046	51695	51360	51700	0.66	cps
Calcium	43-1	4134000	4259253	4255204	4216152	1.69	cps
Calcium	44-1	67627114	69013644	68588086	68409615	1.04	cps
Chromium	52-2	504836	506710	507925	506491	0.31	cps
Cobalt	59-2	972958	971647	974940	973182	0.17	cps
Copper	63-2	1623330	1607232	1602211	1610924	0.68	cps
Dysprosium	156-1	17	75	83	58	62.27	cps
Dysprosium	156-2	3	10	3	6	69.34	cps
Erbium	164-1	17	50	17	28	69.27	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	58	58	83	67	21.65	cps
Gadolinium	160-2	27	17	7	17	59.99	cps
Holmium	165-1	5600237	5615931	5597301	5604489	0.18	cps
Holmium	165-2	1764574	1760606	1779702	1768294	0.57	cps
Indium	115-1	5068472	5089093	5125964	5094510	0.57	cps
Indium	115-2	340204	336665	340077	338982	0.59	cps
Iron	56-2	85568244	86042580	85640980	85750601	0.30	cps
Iron	57-2	2212671	2219156	2236673	2222833	0.56	cps
Krypton	83-1	807	737	687	743	8.11	cps
Lead	206-1	1356270	1365969	1355560	1359266	0.43	cps
Lead	207-1	1232145	1236831	1234500	1234492	0.19	cps
Lead	208-1	5573988	5566026	5601388	5580467	0.33	cps
Lithium	6-1	496362	498461	499204	498009	0.30	cps
Magnesium	24-2	9632015	9545926	9641362	9606434	0.55	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P8
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:22:53	DataFile Name :	036CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	307770	304657	303735	305387	0.69	cps
Molybdenum	94-1	5599442	5597364	5572186	5589664	0.27	cps
Molybdenum	95-1	6875974	6933532	6848207	6885904	0.63	cps
Molybdenum	96-1	7752641	7664805	7657339	7691595	0.69	cps
Molybdenum	97-1	4318019	4245489	4264520	4276009	0.88	cps
Molybdenum	98-1	10877384	10917768	10982092	10925748	0.48	cps
Neodymium	150-1	220	173	140	178	22.60	cps
Neodymium	150-2	27	20	13	20	33.35	cps
Nickel	60-2	289047	287493	286884	287808	0.39	cps
Phosphorus	31-2	6427	6760	6152	6446	4.73	cps
Potassium	39-2	2789483	2779180	2807549	2792071	0.51	cps
Rhodium	103-1	5069590	5013469	5026334	5036464	0.58	cps
Rhodium	103-2	1868961	1842803	1822945	1844903	1.25	cps
Scandium	45-1	3985230	4015184	4021317	4007244	0.48	cps
Scandium	45-2	48982	49183	49313	49159	0.34	cps
Selenium	77-2	483	473	383	447	12.33	cps
Selenium	78-2	1543	1628	1648	1606	3.49	cps
Selenium	82-1	47775	47801	47887	47821	0.12	cps
Silicon	28-1	2137498	2220484	2254743	2204241	2.74	cps
Silver	109-1	3126074	3144549	3153080	3141234	0.44	cps
Silver	107-1	3371858	3314146	3310856	3332287	1.03	cps
Sodium	23-2	21086731	21013138	21446229	21182033	1.09	cps
Strontium	86-1	876475	876876	867250	873533	0.62	cps
Strontium	88-1	7496844	7381086	7396706	7424879	0.85	cps
Sulfur	34-1	724636	736404	738114	733051	1.00	cps
Terbium	159-1	5928677	5911669	5857751	5899366	0.63	cps
Terbium	159-2	1766303	1792634	1776547	1778494	0.75	cps
Thallium	203-1	1718862	1742847	1708980	1723563	1.01	cps
Thallium	205-1	4170613	4107832	4178793	4152413	0.93	cps
Tin	118-1	2097355	2088541	2110404	2098767	0.52	cps
Titanium	47-1	2161245	2146806	2152500	2153517	0.34	cps
Uranium	238-1	5098753	5116697	5071086	5095512	0.45	cps
Vanadium	51-2	364882	360954	363031	362956	0.54	cps
Yttrium	89-1	6030804	6039723	5945158	6005228	0.87	cps
Yttrium	89-2	289734	286378	290543	288885	0.76	cps
Zinc	66-2	170524	172093	169201	170606	0.85	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV01	Instrumnet Name :	P8
Client Sample ID :	CCV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:22:53	DataFile Name :	036CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4778244	4829883	4736006	4781378	0.98	cps
Zirconium	91-1	1049953	1050248	1036312	1045504	0.76	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB01 Instrumnet Name : P8
 Client Sample ID : CCB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:27:45 DataFile Name : 037CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	35	43	43	17.64	cps
Antimony	121-1	1125	1550	1559	1411	17.56	cps
Arsenic	75-2	7	9	7	8	13.31	cps
Barium	135-1	117	125	58	100	36.32	cps
Barium	137-1	250	142	258	217	30.04	cps
Beryllium	9-1	93	67	57	72	26.25	cps
Bismuth	209-1	3236611	3294352	3302422	3277795	1.10	cps
Bismuth	209-2	1229919	1234129	1227812	1230620	0.26	cps
Boron	10-1	950	750	708	803	16.09	cps
Boron	11-1	4401	4359	4092	4284	3.91	cps
Cadmium	111-1	1097	1414	1186	1233	13.25	cps
Cadmium	106-1	1517	1975	1709	1734	13.28	cps
Cadmium	108-1	21	21	38	26	36.47	cps
Calcium	43-1	660	567	587	604	8.13	cps
Calcium	44-1	69142	66584	66690	67472	2.15	cps
Chromium	52-2	1387	1373	1253	1338	5.49	cps
Cobalt	59-2	87	77	80	81	6.28	cps
Copper	63-2	293	273	283	283	3.53	cps
Dysprosium	156-1	0	8	0	3	173.21	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	33	25	8	22	57.29	cps
Erbium	164-2	0	0	7	2	173.21	cps
Gadolinium	160-1	58	42	33	44	28.65	cps
Gadolinium	160-2	10	13	3	9	57.30	cps
Holmium	165-1	5547696	5703131	5771701	5674176	2.02	cps
Holmium	165-2	1759702	1781724	1735152	1758859	1.32	cps
Indium	115-1	5255978	5324898	5380045	5320307	1.17	cps
Indium	115-2	350452	350838	353135	351475	0.41	cps
Iron	56-2	4451	4729	4401	4527	3.90	cps
Iron	57-2	94	128	94	106	18.23	cps
Krypton	83-1	677	740	593	670	10.98	cps
Lead	206-1	556	606	489	550	10.64	cps
Lead	207-1	594	567	528	563	5.95	cps
Lead	208-1	2600	2461	2245	2435	7.36	cps
Lithium	6-1	490332	497512	492400	493415	0.75	cps
Magnesium	24-2	392	383	583	453	24.99	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB01 Instrumnet Name : P8
 Client Sample ID : CCB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:27:45 DataFile Name : 037CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	67	53	37	52	28.78	cps
Molybdenum	94-1	750	533	608	631	17.45	cps
Molybdenum	95-1	617	483	542	547	12.21	cps
Molybdenum	96-1	750	517	675	647	18.41	cps
Molybdenum	97-1	483	383	633	500	25.17	cps
Molybdenum	98-1	1284	917	633	945	34.52	cps
Neodymium	150-1	7	0	20	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	87	70	100	86	17.57	cps
Phosphorus	31-2	0	0	17	6	173.21	cps
Potassium	39-2	6110	6402	6060	6190	2.98	cps
Rhodium	103-1	5337130	5475897	5430529	5414519	1.31	cps
Rhodium	103-2	1991213	1955713	1967198	1971375	0.92	cps
Scandium	45-1	3954036	4039803	4016484	4003441	1.11	cps
Scandium	45-2	47918	47162	47647	47576	0.80	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	4	0	2	2	100.00	cps
Selenium	82-1	-93	-147	-30	-90	-64.95	cps
Silicon	28-1	367062	366120	358264	363816	1.33	cps
Silver	109-1	333	300	283	306	8.33	cps
Silver	107-1	417	275	367	353	20.37	cps
Sodium	23-2	23086	22460	22694	22747	1.39	cps
Strontium	86-1	1083	958	1042	1028	6.19	cps
Strontium	88-1	717	250	317	428	59.01	cps
Sulfur	34-1	465517	465338	462269	464375	0.39	cps
Terbium	159-1	5881220	5952608	6041610	5958480	1.35	cps
Terbium	159-2	1775826	1789137	1756550	1773838	0.92	cps
Thallium	203-1	283	283	233	267	10.82	cps
Thallium	205-1	533	542	583	553	4.85	cps
Tin	118-1	492	1203	642	779	48.13	cps
Titanium	47-1	225	183	142	183	22.73	cps
Uranium	238-1	225	150	167	181	21.81	cps
Vanadium	51-2	50	13	27	30	61.87	cps
Yttrium	89-1	5943406	6004296	6001151	5982951	0.57	cps
Yttrium	89-2	288275	282397	287650	286107	1.13	cps
Zinc	66-2	337	307	330	324	4.85	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB01	Instrumnet Name :	P8
Client Sample ID :	CCB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:27:45	DataFile Name :	037CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	800	625	717	714	12.26	cps
Zirconium	91-1	175	117	125	139	22.72	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:33:20	DataFile Name :	038SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	949922	952851	950583	951119	0.16	cps
Antimony	121-1	1934	1875	2025	1945	3.89	cps
Arsenic	75-2	6881	6602	6635	6706	2.28	cps
Barium	135-1	2390116	2297267	2346074	2344486	1.98	cps
Barium	137-1	4031145	3946683	3981455	3986428	1.06	cps
Beryllium	9-1	3467	3627	3520	3538	2.30	cps
Bismuth	209-1	2979161	3046337	3108696	3044732	2.13	cps
Bismuth	209-2	1204175	1223683	1180078	1202645	1.82	cps
Boron	10-1	667	833	817	772	11.89	cps
Boron	11-1	3942	3476	3651	3690	6.39	cps
Cadmium	111-1	4297	4024	3926	4083	4.71	cps
Cadmium	106-1	2759	2850	2667	2759	3.32	cps
Cadmium	108-1	317	388	350	351	10.08	cps
Calcium	43-1	586814	568851	571518	575728	1.68	cps
Calcium	44-1	9417491	9243465	9213725	9291560	1.18	cps
Chromium	52-2	111664	111158	112004	111609	0.38	cps
Cobalt	59-2	152362	152127	151554	152015	0.27	cps
Copper	63-2	344936	347245	345244	345808	0.36	cps
Dysprosium	156-1	89162	89221	88559	88981	0.41	cps
Dysprosium	156-2	29978	29407	30078	29821	1.21	cps
Erbium	164-1	81473	78160	77312	78982	2.78	cps
Erbium	164-2	24433	23308	23538	23760	2.50	cps
Gadolinium	160-1	89591	86998	87477	88022	1.57	cps
Gadolinium	160-2	35298	35218	35813	35443	0.91	cps
Holmium	165-1	5421584	5562542	5550854	5511660	1.42	cps
Holmium	165-2	1818616	1840109	1760322	1806349	2.29	cps
Indium	115-1	5065301	5002815	5174056	5080724	1.71	cps
Indium	115-2	354352	363550	345258	354387	2.58	cps
Iron	56-2	133236778	133658061	132006567	132967135	0.65	cps
Iron	57-2	3422578	3428108	3368039	3406242	0.97	cps
Krypton	83-1	803	807	723	778	6.07	cps
Lead	206-1	882105	853796	863865	866589	1.66	cps
Lead	207-1	736626	720777	718993	725466	1.34	cps
Lead	208-1	3474164	3369592	3415112	3419622	1.53	cps
Lithium	6-1	466179	471660	466591	468143	0.65	cps
Magnesium	24-2	1317476	1321024	1311048	1316516	0.38	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:33:20	DataFile Name :	038SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2616186	2599181	2622063	2612477	0.45	cps
Molybdenum	94-1	92565	90921	91174	91553	0.97	cps
Molybdenum	95-1	13332	12707	13324	13121	2.73	cps
Molybdenum	96-1	28306	28556	28523	28461	0.48	cps
Molybdenum	97-1	8770	8011	8395	8392	4.52	cps
Molybdenum	98-1	21451	21243	21184	21293	0.66	cps
Neodymium	150-1	106321	102813	103049	104061	1.88	cps
Neodymium	150-2	21438	21688	20804	21310	2.14	cps
Nickel	60-2	82057	81979	82235	82090	0.16	cps
Phosphorus	31-2	2692	2725	2542	2653	3.68	cps
Potassium	39-2	87506	88302	88326	88045	0.53	cps
Rhodium	103-1	5070974	5181991	5351169	5201378	2.71	cps
Rhodium	103-2	2000613	2031276	1895392	1975761	3.61	cps
Scandium	45-1	4175197	4243639	4287523	4235453	1.34	cps
Scandium	45-2	53451	54572	52210	53411	2.21	cps
Selenium	77-2	180	190	203	191	6.13	cps
Selenium	78-2	119	130	111	120	7.78	cps
Selenium	82-1	656	612	683	650	5.51	cps
Silicon	28-1	5821624	5977874	5634632	5811377	2.96	cps
Silver	109-1	3759	3309	3126	3398	9.59	cps
Silver	107-1	3501	3626	3726	3617	3.12	cps
Sodium	23-2	88006	89607	88600	88738	0.91	cps
Strontium	86-1	501868	497383	493389	497546	0.85	cps
Strontium	88-1	4355415	4233120	4329468	4306001	1.50	cps
Sulfur	34-1	593825	577290	567042	579385	2.33	cps
Terbium	159-1	5652195	5626523	5916645	5731788	2.80	cps
Terbium	159-2	1814609	1842745	1797878	1818410	1.25	cps
Thallium	203-1	2600	2625	2525	2584	2.01	cps
Thallium	205-1	5927	5893	6068	5963	1.56	cps
Tin	118-1	3892	4026	4384	4101	6.20	cps
Titanium	47-1	56753	55988	58237	56993	2.01	cps
Uranium	238-1	38394	36747	37341	37494	2.22	cps
Vanadium	51-2	105695	106132	106887	106238	0.57	cps
Yttrium	89-1	7181876	7204263	7482831	7289657	2.30	cps
Yttrium	89-2	362485	368560	356342	362463	1.69	cps
Zinc	66-2	75414	76013	74921	75450	0.72	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:33:20	DataFile Name :	038SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	232583	231505	237060	233716	1.26	cps
Zirconium	91-1	53297	50503	52863	52221	2.88	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08DUP Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01DU Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:36:39 DataFile Name : 039SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	956079	947855	950378	951437	0.44	cps
Antimony	121-1	1875	1909	2117	1967	6.66	cps
Arsenic	75-2	6841	6739	6818	6799	0.79	cps
Barium	135-1	2374241	2381504	2372082	2375942	0.21	cps
Barium	137-1	4035753	4055055	4099818	4063542	0.81	cps
Beryllium	9-1	3524	3587	3531	3547	0.98	cps
Bismuth	209-1	3058653	3057568	3082386	3066202	0.46	cps
Bismuth	209-2	1173130	1142446	1144216	1153264	1.49	cps
Boron	10-1	700	858	925	828	13.96	cps
Boron	11-1	4092	3676	4051	3940	5.83	cps
Cadmium	111-1	3784	4069	4203	4019	5.32	cps
Cadmium	106-1	2784	2784	2759	2775	0.52	cps
Cadmium	108-1	396	346	350	364	7.62	cps
Calcium	43-1	574155	576906	573754	574938	0.30	cps
Calcium	44-1	9203985	9217937	9258254	9226726	0.31	cps
Chromium	52-2	112168	112108	112175	112151	0.03	cps
Cobalt	59-2	155204	153080	152209	153498	1.00	cps
Copper	63-2	349866	346454	348588	348303	0.49	cps
Dysprosium	156-1	89498	89406	90689	89864	0.80	cps
Dysprosium	156-2	30643	30148	30105	30299	0.99	cps
Erbium	164-1	78957	81136	80349	80147	1.38	cps
Erbium	164-2	23835	23929	23852	23872	0.21	cps
Gadolinium	160-1	88860	87326	89583	88590	1.30	cps
Gadolinium	160-2	36317	36220	36337	36292	0.17	cps
Holmium	165-1	5517647	5568882	5540540	5542356	0.46	cps
Holmium	165-2	1730547	1686829	1733302	1716893	1.52	cps
Indium	115-1	5176296	5117144	5161059	5151500	0.60	cps
Indium	115-2	342922	336083	336451	338485	1.14	cps
Iron	56-2	133844397	131556281	131560039	132320239	1.00	cps
Iron	57-2	3449812	3363086	3400396	3404431	1.28	cps
Krypton	83-1	700	823	827	783	9.22	cps
Lead	206-1	860004	857431	875536	864324	1.13	cps
Lead	207-1	721573	720661	728772	723669	0.61	cps
Lead	208-1	3418794	3382224	3440516	3413845	0.86	cps
Lithium	6-1	448708	445008	451124	448280	0.69	cps
Magnesium	24-2	1316151	1314000	1312016	1314056	0.16	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUP	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:36:39	DataFile Name :	039SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2592605	2594196	2618631	2601811	0.56	cps
Molybdenum	94-1	95460	97885	94899	96081	1.65	cps
Molybdenum	95-1	14725	14433	14366	14508	1.31	cps
Molybdenum	96-1	30043	31103	30335	30494	1.80	cps
Molybdenum	97-1	8645	8737	8912	8764	1.55	cps
Molybdenum	98-1	21869	21960	22870	22233	2.49	cps
Neodymium	150-1	105750	106240	106663	106218	0.43	cps
Neodymium	150-2	21621	21862	21618	21700	0.64	cps
Nickel	60-2	82791	81983	82808	82527	0.57	cps
Phosphorus	31-2	2884	2892	2625	2800	5.42	cps
Potassium	39-2	89024	89073	87111	88403	1.27	cps
Rhodium	103-1	5263305	5256070	5259545	5259640	0.07	cps
Rhodium	103-2	1896583	1908494	1900583	1901887	0.32	cps
Scandium	45-1	4238952	4223602	4219029	4227194	0.25	cps
Scandium	45-2	50909	49919	48661	49829	2.26	cps
Selenium	77-2	217	187	163	189	14.15	cps
Selenium	78-2	117	150	122	130	13.78	cps
Selenium	82-1	722	659	546	643	13.88	cps
Silicon	28-1	9419360	9558648	9374129	9450712	1.02	cps
Silver	109-1	3267	3234	3042	3181	3.82	cps
Silver	107-1	3384	3401	3692	3492	4.97	cps
Sodium	23-2	81325	80511	79078	80305	1.42	cps
Strontium	86-1	501364	504322	503690	503125	0.31	cps
Strontium	88-1	4343384	4277364	4331754	4317501	0.82	cps
Sulfur	34-1	527783	529797	525649	527743	0.39	cps
Terbium	159-1	5868264	5791261	5869387	5842971	0.77	cps
Terbium	159-2	1784696	1725187	1717837	1742574	2.10	cps
Thallium	203-1	2809	2534	2567	2637	5.69	cps
Thallium	205-1	5593	6060	5785	5813	4.04	cps
Tin	118-1	3884	3717	3951	3851	3.12	cps
Titanium	47-1	67212	68904	69038	68385	1.49	cps
Uranium	238-1	38018	38361	36446	37608	2.71	cps
Vanadium	51-2	107788	106532	106750	107023	0.63	cps
Yttrium	89-1	7483060	7389172	7475913	7449382	0.70	cps
Yttrium	89-2	351476	347925	352657	350686	0.70	cps
Zinc	66-2	77502	76033	75662	76399	1.27	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUP	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:36:39	DataFile Name :	039SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	244526	246568	244297	245130	0.51	cps
Zirconium	91-1	53565	54878	52745	53729	2.00	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01L	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 18:40:00	DataFile Name :	040SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	174444	174308	174426	174392	0.04	cps
Antimony	121-1	442	600	475	506	16.51	cps
Arsenic	75-2	1230	1243	1187	1220	2.38	cps
Barium	135-1	424311	424560	429659	426176	0.71	cps
Barium	137-1	734621	740780	742254	739219	0.55	cps
Beryllium	9-1	613	630	690	644	6.26	cps
Bismuth	209-1	3036669	3027887	3028260	3030939	0.16	cps
Bismuth	209-2	1155362	1145969	1158105	1153145	0.55	cps
Boron	10-1	450	308	333	364	20.78	cps
Boron	11-1	1817	2125	1909	1950	8.12	cps
Cadmium	111-1	1604	1569	1471	1548	4.47	cps
Cadmium	106-1	1767	1725	1525	1672	7.73	cps
Cadmium	108-1	71	108	121	100	26.02	cps
Calcium	43-1	104861	103934	104233	104342	0.45	cps
Calcium	44-1	1770242	1752563	1765011	1762605	0.52	cps
Chromium	52-2	21704	21347	21440	21497	0.86	cps
Cobalt	59-2	28726	28589	28366	28561	0.64	cps
Copper	63-2	65980	65059	64831	65290	0.93	cps
Dysprosium	156-1	15810	16495	16703	16336	2.86	cps
Dysprosium	156-2	5458	5471	5398	5442	0.72	cps
Erbium	164-1	14567	14292	15118	14659	2.87	cps
Erbium	164-2	4454	4321	4501	4425	2.11	cps
Gadolinium	160-1	15802	16094	16436	16111	1.97	cps
Gadolinium	160-2	6385	6965	6648	6666	4.36	cps
Holmium	165-1	5339373	5302895	5328858	5323709	0.35	cps
Holmium	165-2	1672464	1666476	1681708	1673549	0.46	cps
Indium	115-1	5033234	5069643	5073863	5058913	0.44	cps
Indium	115-2	334877	335217	337472	335856	0.42	cps
Iron	56-2	24656749	24367138	24629447	24551111	0.65	cps
Iron	57-2	607370	609692	615316	610793	0.67	cps
Krypton	83-1	783	763	740	762	2.85	cps
Lead	206-1	156714	160242	157057	158004	1.23	cps
Lead	207-1	134270	133905	134176	134117	0.14	cps
Lead	208-1	617514	625946	626096	623185	0.79	cps
Lithium	6-1	424239	427083	429141	426821	0.58	cps
Magnesium	24-2	238395	239401	236438	238078	0.63	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01L	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 18:40:00	DataFile Name :	040SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	477997	472100	482688	477595	1.11	cps
Molybdenum	94-1	16911	16552	16911	16792	1.23	cps
Molybdenum	95-1	2392	2367	2442	2400	1.59	cps
Molybdenum	96-1	5526	5143	5435	5368	3.73	cps
Molybdenum	97-1	1759	1675	1625	1686	3.99	cps
Molybdenum	98-1	4184	3976	4001	4054	2.81	cps
Neodymium	150-1	19328	20163	19969	19820	2.20	cps
Neodymium	150-2	4021	4084	3771	3958	4.19	cps
Nickel	60-2	15225	15539	15592	15452	1.28	cps
Phosphorus	31-2	525	458	633	539	16.39	cps
Potassium	39-2	20566	20316	21776	20886	3.74	cps
Rhodium	103-1	5271587	5169221	5189734	5210181	1.04	cps
Rhodium	103-2	1862264	1877534	1937490	1892429	2.10	cps
Scandium	45-1	3955206	3876482	3901888	3911192	1.03	cps
Scandium	45-2	47360	46216	47376	46984	1.42	cps
Selenium	77-2	33	33	27	31	12.36	cps
Selenium	78-2	19	31	44	31	41.17	cps
Selenium	82-1	-70	-31	-59	-53	-37.25	cps
Silicon	28-1	1317052	1350630	1328789	1332157	1.28	cps
Silver	109-1	658	583	767	669	13.77	cps
Silver	107-1	817	817	683	772	9.97	cps
Sodium	23-2	29498	30425	31586	30503	3.43	cps
Strontium	86-1	93907	93512	92253	93224	0.93	cps
Strontium	88-1	793051	787186	787061	789099	0.43	cps
Sulfur	34-1	347835	346652	351531	348673	0.73	cps
Terbium	159-1	5735538	5620326	5657699	5671187	1.04	cps
Terbium	159-2	1698690	1692450	1713217	1701452	0.63	cps
Thallium	203-1	458	492	508	486	5.24	cps
Thallium	205-1	1192	1317	1200	1236	5.65	cps
Tin	118-1	992	858	1050	967	10.16	cps
Titanium	47-1	10529	10079	9871	10160	3.31	cps
Uranium	238-1	6619	6635	6969	6741	2.93	cps
Vanadium	51-2	18986	19727	19390	19368	1.92	cps
Yttrium	89-1	6107023	6083302	6065683	6085336	0.34	cps
Yttrium	89-2	288119	288692	288241	288351	0.10	cps
Zinc	66-2	14271	14107	14197	14192	0.58	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01L	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 18:40:00	DataFile Name :	040SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	42584	42342	43195	42707	1.03	cps
Zirconium	91-1	9471	9554	9237	9420	1.74	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-09 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:43:24 DataFile Name : 041SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1009884	989596	991099	996859	1.13	cps
Antimony	121-1	3020778	3047260	3011616	3026551	0.61	cps
Arsenic	75-2	68031	67555	66933	67506	0.82	cps
Barium	135-1	4969377	4994854	4989293	4984508	0.27	cps
Barium	137-1	8559183	8591725	8621029	8590646	0.36	cps
Beryllium	9-1	334276	338625	339442	337448	0.82	cps
Bismuth	209-1	3327450	2880846	3185856	3131384	7.29	cps
Bismuth	209-2	1202938	1201179	1188131	1197416	0.68	cps
Boron	10-1	38612	40617	40458	39896	2.79	cps
Boron	11-1	204854	212597	211204	209552	1.97	cps
Cadmium	111-1	709293	716432	696805	707510	1.40	cps
Cadmium	106-1	78446	76844	76592	77294	1.30	cps
Cadmium	108-1	51540	52134	50507	51394	1.60	cps
Calcium	43-1	1338769	1344614	1383006	1355463	1.77	cps
Calcium	44-1	21351750	21480382	21461809	21431314	0.32	cps
Chromium	52-2	597775	603170	609503	603483	0.97	cps
Cobalt	59-2	1146773	1145428	1142045	1144749	0.21	cps
Copper	63-2	1908500	1916285	1891276	1905354	0.67	cps
Dysprosium	156-1	88632	89482	89289	89134	0.50	cps
Dysprosium	156-2	29584	29093	29386	29354	0.84	cps
Erbium	164-1	79024	79326	77531	78627	1.22	cps
Erbium	164-2	23421	23324	23642	23462	0.69	cps
Gadolinium	160-1	87241	85504	86302	86349	1.01	cps
Gadolinium	160-2	34994	34980	34863	34946	0.21	cps
Holmium	165-1	5965122	5273828	5811997	5683649	6.39	cps
Holmium	165-2	1810127	1777338	1782804	1790090	0.98	cps
Indium	115-1	5416927	4808410	5279409	5168249	6.17	cps
Indium	115-2	348719	344847	342820	345462	0.87	cps
Iron	56-2	142184609	143297987	142458898	142647164	0.41	cps
Iron	57-2	3671409	3641011	3651913	3654777	0.42	cps
Krypton	83-1	747	867	790	801	7.59	cps
Lead	206-1	2263485	2265855	2285173	2271504	0.52	cps
Lead	207-1	1979063	1994340	1977442	1983615	0.47	cps
Lead	208-1	9007765	9095514	9007194	9036824	0.56	cps
Lithium	6-1	462315	423727	467930	451324	5.33	cps
Magnesium	24-2	3035601	2990370	3038215	3021395	0.89	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:43:24	DataFile Name :	041SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2738456	2740296	2773282	2750678	0.71	cps
Molybdenum	94-1	5425155	5510216	5464476	5466615	0.78	cps
Molybdenum	95-1	6406426	6367740	6340695	6371620	0.52	cps
Molybdenum	96-1	7185636	7098197	7178705	7154179	0.68	cps
Molybdenum	97-1	3993908	4008376	4003399	4001894	0.18	cps
Molybdenum	98-1	10240949	10347811	10201255	10263339	0.74	cps
Neodymium	150-1	104589	105294	104387	104757	0.45	cps
Neodymium	150-2	21528	21194	21054	21259	1.15	cps
Nickel	60-2	379352	377552	375469	377458	0.51	cps
Phosphorus	31-2	2484	2509	2575	2523	1.88	cps
Potassium	39-2	591839	584504	585232	587192	0.69	cps
Rhodium	103-1	5548021	4845844	5463063	5285643	7.25	cps
Rhodium	103-2	1967071	1965110	1922165	1951449	1.30	cps
Scandium	45-1	4457029	3910395	4329258	4232227	6.76	cps
Scandium	45-2	52669	52170	51555	52131	1.07	cps
Selenium	77-2	643	657	633	644	1.82	cps
Selenium	78-2	1711	1680	1611	1667	3.07	cps
Selenium	82-1	50158	50685	50609	50484	0.56	cps
Silicon	28-1	19191953	18573795	18616709	18794152	1.84	cps
Silver	109-1	2742174	2744619	2743720	2743505	0.05	cps
Silver	107-1	2905787	2927207	2934544	2922512	0.51	cps
Sodium	23-2	3991745	3900510	3927722	3939992	1.19	cps
Strontium	86-1	1372081	1383708	1371573	1375787	0.50	cps
Strontium	88-1	11537339	11654971	11733614	11641974	0.85	cps
Sulfur	34-1	536577	538474	545382	540144	0.86	cps
Terbium	159-1	6337599	5570030	6118260	6008629	6.58	cps
Terbium	159-2	1832963	1810756	1821968	1821896	0.61	cps
Thallium	203-1	1806365	1813377	1774517	1798086	1.15	cps
Thallium	205-1	4291078	4273098	4252001	4272059	0.46	cps
Tin	118-1	1876408	1912694	1861022	1883375	1.41	cps
Titanium	47-1	2024446	2007050	2054593	2028696	1.19	cps
Uranium	238-1	5172499	5275648	5198286	5215477	1.03	cps
Vanadium	51-2	464645	466131	457914	462897	0.95	cps
Yttrium	89-1	7630293	6947336	7553546	7377058	5.07	cps
Yttrium	89-2	362796	357577	357144	359172	0.88	cps
Zinc	66-2	233932	229616	231164	231571	0.94	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:43:24	DataFile Name :	041SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5070023	5109899	5151145	5110355	0.79	cps
Zirconium	91-1	1130168	1133373	1121717	1128420	0.53	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-10	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:46:37	DataFile Name :	042SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	984440	983463	984686	984196	0.07	cps
Antimony	121-1	3022732	3044238	3048744	3038571	0.46	cps
Arsenic	75-2	67179	67121	67339	67213	0.17	cps
Barium	135-1	4999490	5034080	5056463	5030011	0.57	cps
Barium	137-1	8541112	8567061	8634864	8581012	0.56	cps
Beryllium	9-1	332662	333385	335609	333885	0.46	cps
Bismuth	209-1	3099868	3172793	3205203	3159288	1.71	cps
Bismuth	209-2	1218624	1195179	1199670	1204491	1.03	cps
Boron	10-1	38603	39773	40425	39600	2.33	cps
Boron	11-1	204328	210610	210058	208332	1.67	cps
Cadmium	111-1	703383	706311	714437	708043	0.81	cps
Cadmium	106-1	77557	77716	77749	77674	0.13	cps
Cadmium	108-1	51364	51226	51573	51388	0.34	cps
Calcium	43-1	1346697	1359250	1362573	1356173	0.62	cps
Calcium	44-1	21328212	21355449	21272542	21318734	0.20	cps
Chromium	52-2	598906	595351	598085	597447	0.31	cps
Cobalt	59-2	1134750	1135056	1141940	1137248	0.36	cps
Copper	63-2	1907030	1901726	1903516	1904091	0.14	cps
Dysprosium	156-1	86470	88726	88953	88050	1.56	cps
Dysprosium	156-2	30085	29560	29647	29764	0.94	cps
Erbium	164-1	77398	77297	79838	78177	1.84	cps
Erbium	164-2	23231	23859	23438	23509	1.36	cps
Gadolinium	160-1	88853	87032	87603	87829	1.06	cps
Gadolinium	160-2	35107	35168	34967	35081	0.29	cps
Holmium	165-1	5619291	5684512	5781423	5695075	1.43	cps
Holmium	165-2	1832488	1788362	1787399	1802750	1.43	cps
Indium	115-1	5102649	5158590	5200399	5153880	0.95	cps
Indium	115-2	346932	342394	344735	344687	0.66	cps
Iron	56-2	140193431	139309678	139404314	139635808	0.35	cps
Iron	57-2	3572069	3543930	3556721	3557573	0.40	cps
Krypton	83-1	747	820	817	794	5.21	cps
Lead	206-1	2329798	2294681	2328280	2317587	0.86	cps
Lead	207-1	2012676	2029067	2006185	2015976	0.58	cps
Lead	208-1	9159684	9175720	9211093	9182166	0.29	cps
Lithium	6-1	444651	438368	442216	441745	0.72	cps
Magnesium	24-2	2912247	2941406	2958302	2937318	0.79	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-10 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:46:37 DataFile Name : 042SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2678927	2644877	2663445	2662416	0.64	cps
Molybdenum	94-1	5369643	5414011	5447461	5410372	0.72	cps
Molybdenum	95-1	6325132	6409835	6457205	6397391	1.05	cps
Molybdenum	96-1	7088967	7189667	7162048	7146894	0.73	cps
Molybdenum	97-1	3951589	4015250	3993700	3986846	0.81	cps
Molybdenum	98-1	10118612	10212924	10276977	10202838	0.78	cps
Neodymium	150-1	102524	104677	105742	104315	1.57	cps
Neodymium	150-2	21581	21187	21655	21474	1.17	cps
Nickel	60-2	376175	374443	378678	376432	0.57	cps
Phosphorus	31-2	2400	2325	2617	2448	6.19	cps
Potassium	39-2	582573	585128	585271	584324	0.26	cps
Rhodium	103-1	5116849	5202800	5316290	5211980	1.92	cps
Rhodium	103-2	1955222	1926810	1943684	1941905	0.74	cps
Scandium	45-1	4182872	4167314	4173023	4174403	0.19	cps
Scandium	45-2	51892	51845	51514	51751	0.40	cps
Selenium	77-2	677	710	717	701	3.06	cps
Selenium	78-2	1754	1724	1808	1762	2.40	cps
Selenium	82-1	50255	50574	50367	50398	0.32	cps
Silicon	28-1	20524408	19524287	18729562	19592753	4.59	cps
Silver	109-1	2720552	2725596	2773764	2739970	1.07	cps
Silver	107-1	2889840	2931659	2925517	2915672	0.77	cps
Sodium	23-2	3932372	3922542	3961763	3938892	0.52	cps
Strontium	86-1	1359753	1374171	1378619	1370848	0.72	cps
Strontium	88-1	11565721	11649006	11837942	11684223	1.19	cps
Sulfur	34-1	528113	533199	533009	531440	0.54	cps
Terbium	159-1	6044824	5977597	5991038	6004487	0.59	cps
Terbium	159-2	1837908	1789431	1812104	1813147	1.34	cps
Thallium	203-1	1781164	1817767	1813042	1803991	1.10	cps
Thallium	205-1	4296141	4326437	4352539	4325039	0.65	cps
Tin	118-1	1875015	1888689	1912640	1892115	1.01	cps
Titanium	47-1	2027881	2020900	1993771	2014184	0.89	cps
Uranium	238-1	5150705	5231193	5260195	5214031	1.09	cps
Vanadium	51-2	464152	459612	463822	462528	0.55	cps
Yttrium	89-1	7297853	7391014	7423206	7370691	0.88	cps
Yttrium	89-2	357108	353339	356008	355485	0.55	cps
Zinc	66-2	230865	230213	229562	230213	0.28	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-10	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:46:37	DataFile Name :	042SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5044388	5103502	5100702	5082864	0.66	cps
Zirconium	91-1	1117683	1121163	1121501	1120116	0.19	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08A Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01A Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 18:49:51 DataFile Name : 043SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	966753	981128	963144	970342	0.98	cps
Antimony	121-1	3025348	3063031	3005231	3031203	0.97	cps
Arsenic	75-2	67076	67549	66844	67157	0.54	cps
Barium	135-1	4985507	5014547	5026498	5008851	0.42	cps
Barium	137-1	8504068	8696880	8495086	8565345	1.33	cps
Beryllium	9-1	339984	334700	340274	338319	0.93	cps
Bismuth	209-1	3223945	3147264	3223397	3198202	1.38	cps
Bismuth	209-2	1163233	1211664	1181151	1185349	2.07	cps
Boron	10-1	41077	40809	40467	40784	0.75	cps
Boron	11-1	207281	211049	214196	210842	1.64	cps
Cadmium	111-1	708427	708689	707653	708256	0.08	cps
Cadmium	106-1	77758	78093	78419	78090	0.42	cps
Cadmium	108-1	50783	51490	51398	51224	0.75	cps
Calcium	43-1	1341986	1348626	1362608	1351073	0.78	cps
Calcium	44-1	21309544	21018488	21465081	21264371	1.07	cps
Chromium	52-2	595645	591036	594736	593805	0.41	cps
Cobalt	59-2	1134082	1139528	1138025	1137212	0.25	cps
Copper	63-2	1886264	1877790	1891310	1885121	0.36	cps
Dysprosium	156-1	86929	87519	87603	87350	0.42	cps
Dysprosium	156-2	28865	28802	28845	28837	0.11	cps
Erbium	164-1	77807	78110	78278	78065	0.31	cps
Erbium	164-2	23485	23428	23445	23452	0.12	cps
Gadolinium	160-1	86393	85185	86084	85888	0.73	cps
Gadolinium	160-2	35371	35134	35298	35268	0.34	cps
Holmium	165-1	5814564	5668695	5712663	5731974	1.31	cps
Holmium	165-2	1746762	1831768	1782912	1787147	2.39	cps
Indium	115-1	5250710	5124050	5175204	5183321	1.23	cps
Indium	115-2	331169	344768	342458	339465	2.14	cps
Iron	56-2	138637450	138796339	136112286	137848692	1.09	cps
Iron	57-2	3519948	3516168	3499855	3511990	0.30	cps
Krypton	83-1	787	823	770	793	3.44	cps
Lead	206-1	2314749	2278064	2294668	2295827	0.80	cps
Lead	207-1	1998737	1984165	1991321	1991408	0.37	cps
Lead	208-1	9011951	9042090	9130627	9061556	0.68	cps
Lithium	6-1	456061	445876	458945	453627	1.51	cps
Magnesium	24-2	2926593	2987617	2935401	2949870	1.12	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08A	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:49:51	DataFile Name :	043SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2661471	2621727	2593602	2625600	1.30	cps
Molybdenum	94-1	5470522	5459369	5501591	5477161	0.40	cps
Molybdenum	95-1	6376979	6308067	6399301	6361449	0.75	cps
Molybdenum	96-1	7176001	7129142	7130340	7145161	0.37	cps
Molybdenum	97-1	4002115	4003428	4049223	4018255	0.67	cps
Molybdenum	98-1	10222460	10051625	10283097	10185727	1.18	cps
Neodymium	150-1	103143	103318	102511	102990	0.41	cps
Neodymium	150-2	20974	20960	20550	20828	1.16	cps
Nickel	60-2	370381	371912	372554	371616	0.30	cps
Phosphorus	31-2	2600	2334	2500	2478	5.44	cps
Potassium	39-2	575349	581564	578543	578485	0.54	cps
Rhodium	103-1	5323071	5239444	5325543	5296019	0.93	cps
Rhodium	103-2	1872516	1951335	1944511	1922788	2.27	cps
Scandium	45-1	4266559	4191708	4289749	4249339	1.21	cps
Scandium	45-2	49002	51440	51447	50630	2.78	cps
Selenium	77-2	607	587	593	596	1.71	cps
Selenium	78-2	1817	1785	1700	1767	3.42	cps
Selenium	82-1	50987	50147	50303	50479	0.88	cps
Silicon	28-1	18421446	22864559	18627717	19971241	12.56	cps
Silver	109-1	2772284	2736966	2734258	2747836	0.77	cps
Silver	107-1	2868343	2920900	2939732	2909658	1.27	cps
Sodium	23-2	3939869	3966820	3892483	3933058	0.96	cps
Strontium	86-1	1374588	1367328	1392476	1378131	0.94	cps
Strontium	88-1	11609595	11632353	11877314	11706420	1.27	cps
Sulfur	34-1	533192	531705	530055	531651	0.30	cps
Terbium	159-1	6145571	5984015	6044681	6058089	1.35	cps
Terbium	159-2	1746396	1803385	1778522	1776101	1.61	cps
Thallium	203-1	1818396	1802172	1801844	1807471	0.52	cps
Thallium	205-1	4282772	4294705	4301100	4292859	0.22	cps
Tin	118-1	1904426	1880501	1868869	1884599	0.96	cps
Titanium	47-1	2039362	2015871	2020883	2025372	0.61	cps
Uranium	238-1	5151150	5186460	5248904	5195505	0.95	cps
Vanadium	51-2	456084	459881	461276	459080	0.59	cps
Yttrium	89-1	7509608	7323136	7463958	7432234	1.31	cps
Yttrium	89-2	343062	354863	355788	351238	2.02	cps
Zinc	66-2	227075	229203	226599	227626	0.61	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08A	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01A	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:49:51	DataFile Name :	043SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	5065007	5121165	5100255	5095476	0.56	cps
Zirconium	91-1	1127266	1112952	1126355	1122191	0.71	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:53:04	DataFile Name :	044SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1200950	1205365	1200963	1202426	0.21	cps
Antimony	121-1	2209	2217	1875	2100	9.28	cps
Arsenic	75-2	6077	5881	5961	5973	1.65	cps
Barium	135-1	2115927	2149954	2162654	2142845	1.13	cps
Barium	137-1	3671152	3687577	3696124	3684951	0.34	cps
Beryllium	9-1	4404	4621	4424	4483	2.67	cps
Bismuth	209-1	3001273	3250524	3140208	3130668	3.99	cps
Bismuth	209-2	1133537	1176647	1163332	1157839	1.91	cps
Boron	10-1	1342	1542	1233	1372	11.40	cps
Boron	11-1	7319	6752	6227	6766	8.07	cps
Cadmium	111-1	3276	3373	3448	3366	2.56	cps
Cadmium	106-1	2667	2767	3042	2825	6.87	cps
Cadmium	108-1	433	371	450	418	9.98	cps
Calcium	43-1	249750	248225	250607	249527	0.48	cps
Calcium	44-1	4077682	4062740	4152123	4097515	1.17	cps
Chromium	52-2	146461	146299	146413	146391	0.06	cps
Cobalt	59-2	207209	207839	204353	206467	0.90	cps
Copper	63-2	277576	276915	273597	276029	0.77	cps
Dysprosium	156-1	99175	96690	96556	97474	1.51	cps
Dysprosium	156-2	31912	32343	32307	32187	0.74	cps
Erbium	164-1	86587	86598	87025	86737	0.29	cps
Erbium	164-2	25328	25729	25074	25377	1.30	cps
Gadolinium	160-1	94332	94358	94298	94330	0.03	cps
Gadolinium	160-2	37353	38079	37029	37487	1.43	cps
Holmium	165-1	5520035	5912335	5761387	5731252	3.45	cps
Holmium	165-2	1667924	1774341	1701138	1714467	3.18	cps
Indium	115-1	4931449	5375537	5210362	5172449	4.34	cps
Indium	115-2	330356	341894	333835	335362	1.76	cps
Iron	56-2	183073904	183248615	183147749	183156756	0.05	cps
Iron	57-2	4696622	4634504	4594150	4641759	1.11	cps
Krypton	83-1	857	913	847	872	4.12	cps
Lead	206-1	593553	589468	592976	591999	0.37	cps
Lead	207-1	493786	493066	495592	494148	0.26	cps
Lead	208-1	2316303	2299727	2311958	2309330	0.37	cps
Lithium	6-1	413302	445103	434157	430854	3.75	cps
Magnesium	24-2	1771808	1760541	1762804	1765051	0.34	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:53:04	DataFile Name :	044SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	4014163	3977410	3899389	3963654	1.48	cps
Molybdenum	94-1	126871	125762	127773	126802	0.79	cps
Molybdenum	95-1	8128	8570	7969	8222	3.78	cps
Molybdenum	96-1	29826	30134	30719	30226	1.50	cps
Molybdenum	97-1	5160	4993	5118	5090	1.70	cps
Molybdenum	98-1	12656	13624	12957	13079	3.79	cps
Neodymium	150-1	116937	115121	116795	116284	0.87	cps
Neodymium	150-2	23651	23358	23201	23403	0.98	cps
Nickel	60-2	110448	109839	108848	109712	0.74	cps
Phosphorus	31-2	2825	2609	2675	2703	4.11	cps
Potassium	39-2	94659	92948	91849	93152	1.52	cps
Rhodium	103-1	5008620	5470605	5287801	5255675	4.43	cps
Rhodium	103-2	1830660	1904971	1865948	1867193	1.99	cps
Scandium	45-1	3991744	4274330	4260158	4175410	3.81	cps
Scandium	45-2	48484	50537	49079	49367	2.14	cps
Selenium	77-2	190	143	197	177	16.45	cps
Selenium	78-2	113	126	113	117	6.38	cps
Selenium	82-1	210	311	310	277	20.99	cps
Silicon	28-1	3525047	3459137	3545868	3510018	1.29	cps
Silver	109-1	2834	2967	2692	2831	4.86	cps
Silver	107-1	3484	3567	3184	3412	5.91	cps
Sodium	23-2	69478	68926	69027	69144	0.43	cps
Strontium	86-1	235382	236475	237611	236489	0.47	cps
Strontium	88-1	2054312	2039942	2060017	2051424	0.50	cps
Sulfur	34-1	396221	398198	398401	397607	0.30	cps
Terbium	159-1	5780617	6125823	5985479	5963973	2.91	cps
Terbium	159-2	1655978	1800725	1718515	1725072	4.21	cps
Thallium	203-1	3392	3284	3159	3278	3.56	cps
Thallium	205-1	7611	7686	7352	7550	2.32	cps
Tin	118-1	3067	2759	2725	2850	6.61	cps
Titanium	47-1	33374	34878	33725	33992	2.31	cps
Uranium	238-1	31207	31616	30647	31157	1.56	cps
Vanadium	51-2	121515	121078	119844	120812	0.72	cps
Yttrium	89-1	7215462	7780949	7460454	7485622	3.79	cps
Yttrium	89-2	347145	360853	351741	353246	1.98	cps
Zinc	66-2	105736	104480	104060	104759	0.83	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 18:53:04	DataFile Name :	044SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	344421	346062	345051	345178	0.24	cps
Zirconium	91-1	76072	76164	74764	75667	1.03	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:05:03	DataFile Name :	045SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	184919	185757	186568	185748	0.44	cps
Antimony	121-1	558	650	825	678	19.99	cps
Arsenic	75-2	1595	1602	1596	1598	0.24	cps
Barium	135-1	379920	379691	381097	380236	0.20	cps
Barium	137-1	662019	663935	663758	663237	0.16	cps
Beryllium	9-1	863	773	777	804	6.34	cps
Bismuth	209-1	3102667	2988724	3045136	3045509	1.87	cps
Bismuth	209-2	1178052	1157637	1172890	1169526	0.91	cps
Boron	10-1	617	508	592	572	9.91	cps
Boron	11-1	3292	3034	3042	3123	4.70	cps
Cadmium	111-1	1964	1696	1744	1801	7.95	cps
Cadmium	106-1	1917	1667	1675	1753	8.10	cps
Cadmium	108-1	158	96	100	118	29.60	cps
Calcium	43-1	108646	110820	110691	110052	1.11	cps
Calcium	44-1	1846742	1875474	1880344	1867520	0.97	cps
Chromium	52-2	29471	29882	29962	29772	0.88	cps
Cobalt	59-2	39369	39412	39135	39305	0.38	cps
Copper	63-2	134143	134477	135308	134643	0.45	cps
Dysprosium	156-1	24632	24975	25593	25067	1.94	cps
Dysprosium	156-2	8836	8676	8953	8822	1.58	cps
Erbium	164-1	22854	22245	22203	22434	1.63	cps
Erbium	164-2	6759	6642	6682	6694	0.89	cps
Gadolinium	160-1	25451	26194	25351	25665	1.80	cps
Gadolinium	160-2	10334	10177	10621	10378	2.17	cps
Holmium	165-1	5475353	5321156	5369165	5388558	1.46	cps
Holmium	165-2	1714958	1700553	1737097	1717536	1.07	cps
Indium	115-1	5115457	4904917	5102403	5040926	2.34	cps
Indium	115-2	340043	329570	334614	334742	1.56	cps
Iron	56-2	31961669	32462338	32549763	32324590	0.98	cps
Iron	57-2	804080	812172	802163	806138	0.66	cps
Krypton	83-1	837	800	783	807	3.38	cps
Lead	206-1	154344	155924	155357	155208	0.52	cps
Lead	207-1	129235	131375	130189	130266	0.82	cps
Lead	208-1	606470	605490	607654	606538	0.18	cps
Lithium	6-1	390992	387326	383005	387108	1.03	cps
Magnesium	24-2	322861	316683	318692	319412	0.99	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:05:03	DataFile Name :	045SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	482498	483532	485551	483861	0.32	cps
Molybdenum	94-1	30686	29600	29992	30093	1.83	cps
Molybdenum	95-1	3567	3601	3517	3562	1.18	cps
Molybdenum	96-1	8261	8178	7969	8136	1.85	cps
Molybdenum	97-1	2400	2600	2709	2570	6.09	cps
Molybdenum	98-1	5985	5860	5743	5863	2.06	cps
Neodymium	150-1	27042	27549	26988	27193	1.14	cps
Neodymium	150-2	5381	5365	5568	5438	2.08	cps
Nickel	60-2	24221	24649	24655	24508	1.01	cps
Phosphorus	31-2	750	683	558	664	14.66	cps
Potassium	39-2	37969	36657	36691	37106	2.02	cps
Rhodium	103-1	5159745	5104702	5127676	5130708	0.54	cps
Rhodium	103-2	1932192	1887643	1916701	1912179	1.18	cps
Scandium	45-1	3846743	3726362	3751309	3774805	1.68	cps
Scandium	45-2	47457	44932	47493	46627	3.15	cps
Selenium	77-2	83	80	43	69	32.22	cps
Selenium	78-2	39	30	37	35	13.93	cps
Selenium	82-1	-43	-52	-81	-59	-33.95	cps
Silicon	28-1	1308907	1285327	1310335	1301523	1.08	cps
Silver	109-1	592	708	667	656	9.02	cps
Silver	107-1	658	758	775	731	8.64	cps
Sodium	23-2	27886	27628	27477	27664	0.75	cps
Strontium	86-1	84478	82047	82993	83173	1.47	cps
Strontium	88-1	709629	698980	705499	704703	0.76	cps
Sulfur	34-1	369897	367035	368715	368549	0.39	cps
Terbium	159-1	5769751	5615405	5739864	5708340	1.43	cps
Terbium	159-2	1722378	1669593	1734849	1708940	2.03	cps
Thallium	203-1	550	533	550	544	1.77	cps
Thallium	205-1	1258	1242	1300	1267	2.37	cps
Tin	118-1	2184	1825	2134	2047	9.48	cps
Titanium	47-1	14817	15276	15518	15203	2.34	cps
Uranium	238-1	9971	9904	10397	10091	2.65	cps
Vanadium	51-2	19647	19410	19734	19597	0.85	cps
Yttrium	89-1	6277200	6009771	6074095	6120355	2.28	cps
Yttrium	89-2	298852	291869	294765	295162	1.19	cps
Zinc	66-2	24689	24662	24629	24660	0.12	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-05DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:05:03	DataFile Name :	045SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	77730	77110	75685	76842	1.36	cps
Zirconium	91-1	16828	16786	16636	16750	0.60	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:08:26 DataFile Name : 046SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	179036	178197	178339	178524	0.25	cps
Antimony	121-1	500	517	392	469	14.46	cps
Arsenic	75-2	1243	1283	1332	1286	3.46	cps
Barium	135-1	453025	452296	452865	452729	0.08	cps
Barium	137-1	788545	782793	782811	784716	0.42	cps
Beryllium	9-1	620	747	610	659	11.56	cps
Bismuth	209-1	3044611	3206778	3342961	3198117	4.67	cps
Bismuth	209-2	1219836	1194842	1185502	1200060	1.48	cps
Boron	10-1	483	467	433	461	5.52	cps
Boron	11-1	2550	2267	2500	2439	6.20	cps
Cadmium	111-1	1664	1971	1628	1755	10.74	cps
Cadmium	106-1	1900	2250	1650	1934	15.59	cps
Cadmium	108-1	100	71	92	88	17.16	cps
Calcium	43-1	106207	107275	108004	107162	0.84	cps
Calcium	44-1	1800279	1800444	1789440	1796721	0.35	cps
Chromium	52-2	22725	22064	22438	22409	1.48	cps
Cobalt	59-2	29799	29635	29836	29756	0.36	cps
Copper	63-2	66642	68635	67309	67529	1.50	cps
Dysprosium	156-1	17588	17045	17863	17498	2.38	cps
Dysprosium	156-2	5898	5735	5848	5827	1.44	cps
Erbium	164-1	15393	15961	14976	15443	3.20	cps
Erbium	164-2	4411	4471	4598	4493	2.12	cps
Gadolinium	160-1	17195	17679	17062	17312	1.88	cps
Gadolinium	160-2	6885	7069	7232	7062	2.46	cps
Holmium	165-1	5388443	5704694	5800589	5631242	3.83	cps
Holmium	165-2	1766633	1750772	1704815	1740740	1.84	cps
Indium	115-1	4975451	5240756	5319827	5178678	3.48	cps
Indium	115-2	350910	336915	337475	341767	2.32	cps
Iron	56-2	25615203	25244142	25107225	25322190	1.04	cps
Iron	57-2	630795	630981	630302	630693	0.06	cps
Krypton	83-1	670	640	770	693	9.82	cps
Lead	206-1	173604	173245	173593	173481	0.12	cps
Lead	207-1	145183	144103	146677	145321	0.89	cps
Lead	208-1	671951	671217	679808	674325	0.71	cps
Lithium	6-1	369585	385023	395108	383239	3.35	cps
Magnesium	24-2	244168	243276	239198	242214	1.09	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:08:26	DataFile Name :	046SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	491044	491200	490997	491080	0.02	cps
Molybdenum	94-1	17697	17178	17662	17512	1.66	cps
Molybdenum	95-1	2534	2875	2667	2692	6.40	cps
Molybdenum	96-1	5676	5643	5710	5676	0.59	cps
Molybdenum	97-1	1717	1859	1725	1767	4.50	cps
Molybdenum	98-1	4368	4092	3801	4087	6.94	cps
Neodymium	150-1	20931	21018	20964	20971	0.21	cps
Neodymium	150-2	4107	4104	4151	4121	0.63	cps
Nickel	60-2	16130	15609	16387	16042	2.47	cps
Phosphorus	31-2	583	450	408	481	19.02	cps
Potassium	39-2	21459	20908	20875	21080	1.56	cps
Rhodium	103-1	5048094	5308515	5427518	5261376	3.69	cps
Rhodium	103-2	2013090	1923957	1917062	1951370	2.74	cps
Scandium	45-1	3642769	3913193	3995538	3850500	4.79	cps
Scandium	45-2	47657	47046	46313	47005	1.43	cps
Selenium	77-2	30	33	23	29	17.63	cps
Selenium	78-2	28	22	22	24	13.33	cps
Selenium	82-1	83	51	19	51	62.82	cps
Silicon	28-1	1365375	1319106	1597622	1427368	10.46	cps
Silver	109-1	750	717	692	720	4.07	cps
Silver	107-1	767	700	908	792	13.44	cps
Sodium	23-2	29122	29649	28037	28936	2.84	cps
Strontium	86-1	94528	96340	96089	95652	1.03	cps
Strontium	88-1	825643	830381	821468	825831	0.54	cps
Sulfur	34-1	367538	367605	372098	369080	0.71	cps
Terbium	159-1	5641880	5986536	6094647	5907688	4.00	cps
Terbium	159-2	1836962	1735860	1738205	1770342	3.26	cps
Thallium	203-1	525	658	575	586	11.49	cps
Thallium	205-1	1392	1275	1425	1364	5.78	cps
Tin	118-1	1050	1075	1083	1070	1.62	cps
Titanium	47-1	10563	10521	10087	10390	2.53	cps
Uranium	238-1	7436	7778	7528	7580	2.33	cps
Vanadium	51-2	19714	19861	19724	19766	0.42	cps
Yttrium	89-1	5966978	6277220	6440140	6228113	3.86	cps
Yttrium	89-2	301458	292022	290887	294789	1.97	cps
Zinc	66-2	14755	15022	15025	14934	1.04	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:08:26	DataFile Name :	046SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	44917	43663	44825	44468	1.57	cps
Zirconium	91-1	10037	9671	9787	9832	1.91	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08DUPDLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01DU Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:11:50 DataFile Name : 047SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	179320	180411	180069	179933	0.31	cps
Antimony	121-1	650	658	408	572	24.81	cps
Arsenic	75-2	1293	1339	1300	1311	1.90	cps
Barium	135-1	461770	453136	460244	458384	1.01	cps
Barium	137-1	796273	800024	810164	802154	0.90	cps
Beryllium	9-1	717	670	730	706	4.46	cps
Bismuth	209-1	3226208	3207116	3210440	3214588	0.32	cps
Bismuth	209-2	1199260	1203558	1194954	1199257	0.36	cps
Boron	10-1	733	492	650	625	19.64	cps
Boron	11-1	2867	2892	3242	3000	6.99	cps
Cadmium	111-1	1741	1854	1705	1767	4.41	cps
Cadmium	106-1	1900	1942	1817	1886	3.38	cps
Cadmium	108-1	121	67	54	81	43.99	cps
Calcium	43-1	107454	107333	107014	107267	0.21	cps
Calcium	44-1	1781589	1842998	1804003	1809530	1.72	cps
Chromium	52-2	22275	22582	22415	22424	0.69	cps
Cobalt	59-2	29485	29528	29097	29370	0.81	cps
Copper	63-2	66978	68823	67580	67794	1.39	cps
Dysprosium	156-1	18197	18497	17679	18124	2.28	cps
Dysprosium	156-2	6198	5728	6182	6036	4.42	cps
Erbium	164-1	15468	16202	16019	15896	2.40	cps
Erbium	164-2	4691	4991	4751	4811	3.30	cps
Gadolinium	160-1	17362	18013	17863	17746	1.92	cps
Gadolinium	160-2	7319	7175	7272	7255	1.01	cps
Holmium	165-1	5676944	5552730	5627506	5619060	1.11	cps
Holmium	165-2	1732614	1751228	1732374	1738739	0.62	cps
Indium	115-1	5264571	5165078	5111993	5180548	1.50	cps
Indium	115-2	337931	340517	338164	338870	0.42	cps
Iron	56-2	25596537	25753010	25213654	25521067	1.09	cps
Iron	57-2	634183	635240	631996	633806	0.26	cps
Krypton	83-1	703	680	750	711	5.01	cps
Lead	206-1	175237	175017	176602	175619	0.49	cps
Lead	207-1	144570	146454	148256	146426	1.26	cps
Lead	208-1	681091	685553	689057	685234	0.58	cps
Lithium	6-1	387262	382671	386207	385380	0.62	cps
Magnesium	24-2	243928	243221	248126	245091	1.08	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:11:50	DataFile Name :	047SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	491132	492172	486912	490072	0.57	cps
Molybdenum	94-1	18789	18255	18572	18539	1.45	cps
Molybdenum	95-1	2750	2700	2984	2812	5.38	cps
Molybdenum	96-1	5835	6002	6027	5954	1.75	cps
Molybdenum	97-1	1800	2050	1759	1870	8.44	cps
Molybdenum	98-1	4426	4601	4151	4393	5.17	cps
Neodymium	150-1	20376	21618	20710	20902	3.08	cps
Neodymium	150-2	4147	4017	4204	4123	2.32	cps
Nickel	60-2	16240	16023	16173	16145	0.69	cps
Phosphorus	31-2	500	492	483	492	1.69	cps
Potassium	39-2	20858	21300	21125	21094	1.06	cps
Rhodium	103-1	5320768	5318254	5248021	5295681	0.78	cps
Rhodium	103-2	1925500	1911394	1883726	1906873	1.11	cps
Scandium	45-1	3789615	3820401	3768028	3792681	0.69	cps
Scandium	45-2	46159	46263	45865	46095	0.45	cps
Selenium	77-2	40	43	50	44	11.46	cps
Selenium	78-2	17	20	39	25	47.04	cps
Selenium	82-1	-17	80	20	28	175.68	cps
Silicon	28-1	2084593	2055934	2082475	2074334	0.77	cps
Silver	109-1	650	733	700	694	6.04	cps
Silver	107-1	800	750	767	772	3.30	cps
Sodium	23-2	27903	27511	27803	27739	0.74	cps
Strontium	86-1	97054	97884	99605	98181	1.33	cps
Strontium	88-1	826708	818478	832184	825790	0.84	cps
Sulfur	34-1	364678	365230	361561	363823	0.54	cps
Terbium	159-1	5928512	5866007	5917680	5904066	0.57	cps
Terbium	159-2	1733957	1737712	1738166	1736611	0.13	cps
Thallium	203-1	625	458	542	542	15.39	cps
Thallium	205-1	1233	1467	1283	1328	9.25	cps
Tin	118-1	933	1008	1100	1014	8.23	cps
Titanium	47-1	12773	13307	13007	13029	2.05	cps
Uranium	238-1	7369	7503	7619	7497	1.67	cps
Vanadium	51-2	20148	20228	20095	20157	0.33	cps
Yttrium	89-1	6135472	6086279	6163404	6128385	0.64	cps
Yttrium	89-2	290594	291835	289644	290691	0.38	cps
Zinc	66-2	14948	14695	14958	14867	1.01	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08DUPDLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01DU	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:11:50	DataFile Name :	047SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	46664	46280	47308	46751	1.11	cps
Zirconium	91-1	10671	10621	9862	10385	4.36	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P8
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:17:44	DataFile Name :	048CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	449362	446671	455232	450422	0.97	cps
Antimony	121-1	3107826	3109951	3159711	3125829	0.94	cps
Arsenic	75-2	60578	60236	60785	60533	0.46	cps
Barium	135-1	3079905	3092601	3109082	3093863	0.47	cps
Barium	137-1	5262135	5301419	5272126	5278560	0.39	cps
Beryllium	9-1	342089	342819	344955	343288	0.43	cps
Bismuth	209-1	3277453	3233485	3351311	3287416	1.81	cps
Bismuth	209-2	1261740	1267559	1280438	1269912	0.75	cps
Boron	10-1	45808	46067	47229	46368	1.63	cps
Boron	11-1	234105	237786	247016	239635	2.78	cps
Cadmium	111-1	740755	742860	738309	740641	0.31	cps
Cadmium	106-1	76735	78596	79408	78247	1.75	cps
Cadmium	108-1	53590	54556	53000	53715	1.46	cps
Calcium	43-1	4223430	4287481	4319126	4276679	1.14	cps
Calcium	44-1	68248681	68741539	69621661	68870627	1.01	cps
Chromium	52-2	506283	501136	507727	505049	0.69	cps
Cobalt	59-2	975449	964627	972169	970748	0.57	cps
Copper	63-2	1631934	1608548	1630436	1623640	0.81	cps
Dysprosium	156-1	83	33	83	67	43.31	cps
Dysprosium	156-2	20	10	7	12	56.76	cps
Erbium	164-1	50	17	42	36	48.03	cps
Erbium	164-2	13	10	7	10	33.30	cps
Gadolinium	160-1	17	42	50	36	48.03	cps
Gadolinium	160-2	7	13	13	11	34.61	cps
Holmium	165-1	5840327	5877051	5980526	5899301	1.23	cps
Holmium	165-2	1873844	1881402	1895691	1883646	0.59	cps
Indium	115-1	5291614	5182573	5332443	5268877	1.47	cps
Indium	115-2	350779	348692	352479	350650	0.54	cps
Iron	56-2	86261499	85781555	87395333	86479462	0.96	cps
Iron	57-2	2226015	2237213	2235827	2233018	0.27	cps
Krypton	83-1	710	697	663	690	3.48	cps
Lead	206-1	1467168	1454235	1470847	1464083	0.60	cps
Lead	207-1	1325787	1305974	1327081	1319614	0.90	cps
Lead	208-1	6003628	5946076	6019121	5989608	0.64	cps
Lithium	6-1	441282	436699	451756	443246	1.74	cps
Magnesium	24-2	9422768	9395553	9536971	9451764	0.79	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P8
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:17:44	DataFile Name :	048CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	304732	305203	309014	306316	0.77	cps
Molybdenum	94-1	5752530	5810825	5810678	5791345	0.58	cps
Molybdenum	95-1	7096069	7137116	7129863	7121016	0.31	cps
Molybdenum	96-1	7886060	7945030	7938385	7923158	0.41	cps
Molybdenum	97-1	4480459	4468855	4464055	4471123	0.19	cps
Molybdenum	98-1	11441130	11585313	11307325	11444589	1.21	cps
Neodymium	150-1	173	120	173	156	19.80	cps
Neodymium	150-2	27	10	20	19	44.42	cps
Nickel	60-2	290431	286871	288839	288714	0.62	cps
Phosphorus	31-2	6060	6277	6644	6327	4.66	cps
Potassium	39-2	2766966	2732110	2787952	2762343	1.02	cps
Rhodium	103-1	5130697	5231669	5371925	5244764	2.31	cps
Rhodium	103-2	1891717	1927466	1933483	1917555	1.18	cps
Scandium	45-1	4000805	4019256	4201305	4073789	2.72	cps
Scandium	45-2	48293	48396	49564	48751	1.45	cps
Selenium	77-2	463	483	360	436	15.20	cps
Selenium	78-2	1548	1424	1596	1523	5.84	cps
Selenium	82-1	48487	48478	48652	48539	0.20	cps
Silicon	28-1	2066984	2148299	2187326	2134203	2.88	cps
Silver	109-1	3258770	3266708	3225809	3250429	0.67	cps
Silver	107-1	3406867	3478146	3494213	3459742	1.34	cps
Sodium	23-2	20621609	20707495	21020513	20783206	1.01	cps
Strontium	86-1	890251	897838	899522	895870	0.55	cps
Strontium	88-1	7663583	7610146	7691806	7655178	0.54	cps
Sulfur	34-1	746005	736441	751816	744754	1.04	cps
Terbium	159-1	6173092	6189186	6343191	6235156	1.51	cps
Terbium	159-2	1886748	1868436	1913684	1889622	1.20	cps
Thallium	203-1	1832049	1850911	1838103	1840354	0.52	cps
Thallium	205-1	4447412	4403596	4418530	4423179	0.50	cps
Tin	118-1	2198801	2183422	2170961	2184395	0.64	cps
Titanium	47-1	2143653	2190923	2185221	2173266	1.19	cps
Uranium	238-1	5530916	5512760	5576861	5540179	0.60	cps
Vanadium	51-2	360638	361507	365610	362585	0.73	cps
Yttrium	89-1	6148771	6115275	6297427	6187158	1.57	cps
Yttrium	89-2	293599	294251	295919	294590	0.41	cps
Zinc	66-2	171303	170136	171893	171110	0.52	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV02	Instrumnet Name :	P8
Client Sample ID :	CCV02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:17:44	DataFile Name :	048CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4947663	4883164	4963188	4931338	0.86	cps
Zirconium	91-1	1078761	1076779	1071609	1075716	0.34	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB02 Instrumnet Name : P8
 Client Sample ID : CCB02 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 19:21:36 DataFile Name : 049CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	35	55	58	49	25.08	cps
Antimony	121-1	1383	1442	1442	1422	2.37	cps
Arsenic	75-2	13	6	9	9	39.96	cps
Barium	135-1	50	50	67	56	17.32	cps
Barium	137-1	208	217	142	189	21.76	cps
Beryllium	9-1	67	73	73	71	5.41	cps
Bismuth	209-1	3459901	3317817	3466035	3414584	2.46	cps
Bismuth	209-2	1320367	1335791	1339194	1331784	0.75	cps
Boron	10-1	833	867	742	814	7.95	cps
Boron	11-1	3917	3842	3934	3898	1.25	cps
Cadmium	111-1	1121	1179	1294	1198	7.35	cps
Cadmium	106-1	1567	1675	1825	1689	7.68	cps
Cadmium	108-1	25	21	13	19	32.73	cps
Calcium	43-1	470	567	563	533	10.29	cps
Calcium	44-1	58910	59462	59023	59132	0.49	cps
Chromium	52-2	1407	1280	1273	1320	5.69	cps
Cobalt	59-2	73	90	127	97	28.23	cps
Copper	63-2	300	287	240	276	11.43	cps
Dysprosium	156-1	0	8	8	6	86.60	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	17	8	25	17	50.01	cps
Erbium	164-2	0	3	17	7	132.33	cps
Gadolinium	160-1	50	33	100	61	56.78	cps
Gadolinium	160-2	13	7	10	10	33.30	cps
Holmium	165-1	5966115	5682682	5949963	5866253	2.71	cps
Holmium	165-2	1919764	1884089	1896718	1900190	0.95	cps
Indium	115-1	5632455	5332495	5431601	5465517	2.80	cps
Indium	115-2	365149	369591	371101	368614	0.84	cps
Iron	56-2	4640	4695	4823	4719	1.99	cps
Iron	57-2	167	117	106	130	25.11	cps
Krypton	83-1	580	693	670	648	9.24	cps
Lead	206-1	711	633	572	639	10.90	cps
Lead	207-1	433	450	433	439	2.19	cps
Lead	208-1	2400	2300	2278	2326	2.80	cps
Lithium	6-1	455969	447214	446355	449846	1.18	cps
Magnesium	24-2	500	517	517	511	1.88	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P8
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:21:36	DataFile Name :	049CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	47	53	60	53	12.50	cps
Molybdenum	94-1	500	475	517	497	4.22	cps
Molybdenum	95-1	492	392	500	461	13.07	cps
Molybdenum	96-1	458	308	433	400	20.09	cps
Molybdenum	97-1	442	442	458	447	2.15	cps
Molybdenum	98-1	667	617	833	706	16.08	cps
Neodymium	150-1	7	0	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	73	83	63	73	13.64	cps
Phosphorus	31-2	0	8	8	6	86.60	cps
Potassium	39-2	6268	6018	6002	6096	2.45	cps
Rhodium	103-1	5680651	5298713	5520769	5500044	3.49	cps
Rhodium	103-2	2031441	2070920	2086582	2062981	1.38	cps
Scandium	45-1	4096187	3860136	4049895	4002072	3.13	cps
Scandium	45-2	48370	48430	48697	48499	0.36	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	2	4	6	4	50.09	cps
Selenium	82-1	1	-38	-93	-43	-110.30	cps
Silicon	28-1	358793	360002	361362	360053	0.36	cps
Silver	109-1	250	183	225	219	15.35	cps
Silver	107-1	317	275	233	275	15.15	cps
Sodium	23-2	20566	20766	19931	20421	2.13	cps
Strontium	86-1	1050	900	1033	995	8.27	cps
Strontium	88-1	192	250	267	236	16.68	cps
Sulfur	34-1	461176	461857	460743	461259	0.12	cps
Terbium	159-1	6300974	5932122	6223069	6152055	3.16	cps
Terbium	159-2	1882744	1870568	1880700	1878004	0.35	cps
Thallium	203-1	292	258	308	286	8.90	cps
Thallium	205-1	733	775	583	697	14.46	cps
Tin	118-1	500	508	508	506	0.95	cps
Titanium	47-1	100	183	100	128	37.66	cps
Uranium	238-1	125	142	133	133	6.25	cps
Vanadium	51-2	3	3	27	11	121.29	cps
Yttrium	89-1	6285572	5824643	6111363	6073859	3.83	cps
Yttrium	89-2	294604	299496	299814	297971	0.98	cps
Zinc	66-2	260	277	150	229	30.07	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB02	Instrumnet Name :	P8
Client Sample ID :	CCB02	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:21:36	DataFile Name :	049CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	675	542	667	628	11.90	cps
Zirconium	91-1	175	142	117	144	20.26	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08LDLX25 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01LDI Dilution Factor : 25
 Date & Time Acquired :: 2018-12-21 19:25:01 DataFile Name : 050SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	36987	36707	36536	36743	0.62	cps
Antimony	121-1	558	700	633	631	11.24	cps
Arsenic	75-2	239	243	276	252	8.08	cps
Barium	135-1	92397	91163	90920	91493	0.87	cps
Barium	137-1	162284	161078	162497	161953	0.47	cps
Beryllium	9-1	187	237	170	198	17.54	cps
Bismuth	209-1	3372735	3450454	3482118	3435102	1.64	cps
Bismuth	209-2	1305325	1290280	1316166	1303924	1.00	cps
Boron	10-1	558	492	467	506	9.37	cps
Boron	11-1	2859	2559	2500	2639	7.29	cps
Cadmium	111-1	1411	1354	1432	1399	2.89	cps
Cadmium	106-1	1850	1784	1867	1834	2.41	cps
Cadmium	108-1	38	46	29	38	22.21	cps
Calcium	43-1	23009	22752	22124	22628	2.01	cps
Calcium	44-1	418146	418116	422024	419429	0.54	cps
Chromium	52-2	5521	5568	5728	5606	1.93	cps
Cobalt	59-2	6001	6068	6108	6059	0.89	cps
Copper	63-2	14124	13654	13837	13872	1.71	cps
Dysprosium	156-1	3551	3667	3892	3704	4.69	cps
Dysprosium	156-2	1183	1267	1217	1222	3.43	cps
Erbium	164-1	3142	3292	3217	3217	2.33	cps
Erbium	164-2	993	987	1017	999	1.58	cps
Gadolinium	160-1	3409	3867	3617	3631	6.32	cps
Gadolinium	160-2	1470	1443	1673	1529	8.23	cps
Holmium	165-1	5858533	5922727	5947262	5909507	0.78	cps
Holmium	165-2	1848600	1890132	1863224	1867319	1.13	cps
Indium	115-1	5409179	5422363	5403060	5411534	0.18	cps
Indium	115-2	361227	357896	365378	361501	1.04	cps
Iron	56-2	5163808	5123804	5101250	5129621	0.62	cps
Iron	57-2	125235	126707	126267	126070	0.60	cps
Krypton	83-1	750	730	693	724	3.97	cps
Lead	206-1	36436	35823	36292	36184	0.89	cps
Lead	207-1	30198	30526	30225	30316	0.60	cps
Lead	208-1	142176	140729	141237	141380	0.52	cps
Lithium	6-1	439671	449983	444053	444569	1.16	cps
Magnesium	24-2	50098	49990	50340	50143	0.36	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08LDLX25 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01LDI Dilution Factor : 25
 Date & Time Acquired :: 2018-12-21 19:25:01 DataFile Name : 050SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	98910	99211	97712	98611	0.80	cps
Molybdenum	94-1	4193	4017	4151	4120	2.22	cps
Molybdenum	95-1	1008	1008	1142	1053	7.31	cps
Molybdenum	96-1	1684	1725	1692	1700	1.30	cps
Molybdenum	97-1	750	850	667	756	12.15	cps
Molybdenum	98-1	1525	1659	1559	1581	4.39	cps
Neodymium	150-1	4134	4067	4454	4219	4.90	cps
Neodymium	150-2	840	733	863	812	8.53	cps
Nickel	60-2	3160	3297	3237	3232	2.12	cps
Phosphorus	31-2	108	83	75	89	19.52	cps
Potassium	39-2	9529	8778	8753	9020	4.89	cps
Rhodium	103-1	5517547	5547578	5547557	5537560	0.31	cps
Rhodium	103-2	2041695	2014838	2036207	2030913	0.70	cps
Scandium	45-1	3984849	4055976	4059623	4033482	1.05	cps
Scandium	45-2	48617	48434	48621	48557	0.22	cps
Selenium	77-2	10	0	17	9	94.38	cps
Selenium	78-2	7	4	6	6	33.38	cps
Selenium	82-1	-119	-83	-101	-101	-17.85	cps
Silicon	28-1	578286	576951	574576	576604	0.33	cps
Silver	109-1	350	358	325	344	5.04	cps
Silver	107-1	383	408	417	403	4.31	cps
Sodium	23-2	21642	21459	20674	21258	2.42	cps
Strontium	86-1	20508	19573	20291	20124	2.43	cps
Strontium	88-1	165848	167165	165847	166286	0.46	cps
Sulfur	34-1	446197	439391	437691	441093	1.02	cps
Terbium	159-1	6115332	6201559	6257217	6191369	1.15	cps
Terbium	159-2	1856108	1889118	1898487	1881238	1.18	cps
Thallium	203-1	225	275	250	250	10.00	cps
Thallium	205-1	592	642	525	586	9.99	cps
Tin	118-1	475	567	433	492	13.87	cps
Titanium	47-1	2109	2592	2492	2398	10.64	cps
Uranium	238-1	1967	1809	1809	1861	4.91	cps
Vanadium	51-2	4281	4224	3981	4162	3.83	cps
Yttrium	89-1	6264160	6187901	6223577	6225213	0.61	cps
Yttrium	89-2	294768	297818	298514	297033	0.67	cps
Zinc	66-2	3117	3074	3047	3079	1.15	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08LDLX25	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01LDI	Dilution Factor :	25
Date & Time Acquired ::	2018-12-21 19:25:01	DataFile Name :	050SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	10071	9529	10088	9896	3.21	cps
Zirconium	91-1	2200	2142	2150	2164	1.46	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:28:26	DataFile Name :	051SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	196159	195551	195236	195648	0.24	cps
Antimony	121-1	599777	594015	590527	594773	0.79	cps
Arsenic	75-2	13143	13182	13119	13148	0.24	cps
Barium	135-1	1013454	1003857	989027	1002113	1.23	cps
Barium	137-1	1787488	1745214	1744540	1759081	1.40	cps
Beryllium	9-1	66124	65391	64072	65196	1.60	cps
Bismuth	209-1	3096649	3443620	3448577	3329615	6.06	cps
Bismuth	209-2	1299085	1296131	1233470	1276229	2.90	cps
Boron	10-1	7944	8203	8169	8105	1.73	cps
Boron	11-1	40500	40015	41302	40606	1.60	cps
Cadmium	111-1	142479	143508	142058	142682	0.52	cps
Cadmium	106-1	17195	17053	16778	17009	1.25	cps
Cadmium	108-1	10283	10187	10287	10253	0.55	cps
Calcium	43-1	264016	260673	259551	261413	0.89	cps
Calcium	44-1	4302483	4277928	4271666	4284025	0.38	cps
Chromium	52-2	120224	117461	118833	118839	1.16	cps
Cobalt	59-2	226389	222912	225048	224783	0.78	cps
Copper	63-2	375019	373790	371674	373495	0.45	cps
Dysprosium	156-1	17888	17988	18522	18133	1.88	cps
Dysprosium	156-2	5808	5945	5878	5877	1.16	cps
Erbium	164-1	16386	15961	15885	16077	1.68	cps
Erbium	164-2	4558	4758	4658	4658	2.15	cps
Gadolinium	160-1	18238	17487	17462	17729	2.49	cps
Gadolinium	160-2	6942	6528	7002	6824	3.78	cps
Holmium	165-1	5466958	6074088	6046261	5862436	5.85	cps
Holmium	165-2	1891341	1871509	1788838	1850563	2.94	cps
Indium	115-1	5015107	5671379	5578538	5421674	6.55	cps
Indium	115-2	366608	359931	348617	358385	2.54	cps
Iron	56-2	27882183	28248625	27959678	28030162	0.69	cps
Iron	57-2	708945	707906	697224	704691	0.92	cps
Krypton	83-1	620	757	760	712	11.22	cps
Lead	206-1	471796	459216	455938	462317	1.81	cps
Lead	207-1	403882	391488	395025	396798	1.61	cps
Lead	208-1	1854544	1806994	1817722	1826420	1.37	cps
Lithium	6-1	407897	441482	440114	429831	4.42	cps
Magnesium	24-2	579723	574465	581250	578480	0.62	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-09DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:28:26 DataFile Name : 051SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	538870	536281	537350	537500	0.24	cps
Molybdenum	94-1	1092988	1067022	1063586	1074532	1.50	cps
Molybdenum	95-1	1258823	1253854	1259369	1257349	0.24	cps
Molybdenum	96-1	1418813	1422593	1405347	1415584	0.64	cps
Molybdenum	97-1	794512	785527	781276	787105	0.86	cps
Molybdenum	98-1	2052157	2043468	2048566	2048064	0.21	cps
Neodymium	150-1	21531	21124	20717	21124	1.93	cps
Neodymium	150-2	4257	4261	4217	4245	0.57	cps
Nickel	60-2	74062	74629	74481	74391	0.40	cps
Phosphorus	31-2	542	517	667	575	13.98	cps
Potassium	39-2	119951	118692	117605	118749	0.99	cps
Rhodium	103-1	5168809	5749796	5689566	5536057	5.77	cps
Rhodium	103-2	2074973	2035726	1959448	2023382	2.90	cps
Scandium	45-1	3807407	4209821	4163043	4060090	5.42	cps
Scandium	45-2	49607	49206	47423	48746	2.39	cps
Selenium	77-2	93	143	120	119	21.04	cps
Selenium	78-2	326	319	367	337	7.69	cps
Selenium	82-1	10064	9657	9565	9762	2.72	cps
Silicon	28-1	3774964	3812548	3633466	3740326	2.52	cps
Silver	109-1	548301	544300	546576	546392	0.37	cps
Silver	107-1	580195	577193	577143	578177	0.30	cps
Sodium	23-2	780810	777413	788022	782082	0.69	cps
Strontium	86-1	273285	270874	268872	271011	0.82	cps
Strontium	88-1	2327513	2331965	2307351	2322276	0.56	cps
Sulfur	34-1	444159	435720	431208	437029	1.50	cps
Terbium	159-1	5769707	6389073	6393025	6183935	5.80	cps
Terbium	159-2	1887466	1839118	1802372	1842986	2.32	cps
Thallium	203-1	364667	354776	355292	358245	1.55	cps
Thallium	205-1	872803	852502	857712	861006	1.22	cps
Tin	118-1	372907	368654	372504	371355	0.63	cps
Titanium	47-1	392680	389544	387583	389936	0.66	cps
Uranium	238-1	1044359	1030315	1023824	1032833	1.02	cps
Vanadium	51-2	90091	89685	90514	90097	0.46	cps
Yttrium	89-1	6021089	6578653	6604185	6401309	5.15	cps
Yttrium	89-2	314372	307772	298061	306735	2.67	cps
Zinc	66-2	45485	46451	46271	46069	1.12	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-09DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:28:26	DataFile Name :	051SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1005245	987062	984776	992361	1.13	cps
Zirconium	91-1	221121	219808	216911	219280	0.98	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-10DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:31:48 DataFile Name : 052SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	195575	197930	195824	196443	0.66	cps
Antimony	121-1	602972	598239	600877	600696	0.39	cps
Arsenic	75-2	13416	13305	14037	13586	2.90	cps
Barium	135-1	998757	1019431	1008984	1009057	1.02	cps
Barium	137-1	1744054	1757890	1767120	1756355	0.66	cps
Beryllium	9-1	63730	63510	62605	63282	0.94	cps
Bismuth	209-1	3213939	3242232	3309268	3255146	1.50	cps
Bismuth	209-2	1273498	1267162	1211816	1250826	2.71	cps
Boron	10-1	7235	8036	7919	7730	5.59	cps
Boron	11-1	40467	42698	40508	41224	3.10	cps
Cadmium	111-1	144588	144788	143043	144139	0.66	cps
Cadmium	106-1	16669	16553	16177	16466	1.56	cps
Cadmium	108-1	10379	10325	10746	10483	2.19	cps
Calcium	43-1	260681	260061	259293	260012	0.27	cps
Calcium	44-1	4224479	4246043	4253015	4241179	0.35	cps
Chromium	52-2	120668	120813	122468	121316	0.82	cps
Cobalt	59-2	230313	228188	228720	229074	0.48	cps
Copper	63-2	383728	383634	383198	383520	0.07	cps
Dysprosium	156-1	17629	17704	17488	17607	0.63	cps
Dysprosium	156-2	5828	5748	5708	5761	1.06	cps
Erbium	164-1	15109	15902	15744	15585	2.69	cps
Erbium	164-2	4788	4724	4761	4758	0.67	cps
Gadolinium	160-1	17437	18522	17538	17832	3.36	cps
Gadolinium	160-2	7065	7069	6945	7026	1.00	cps
Holmium	165-1	5614949	5723457	5811271	5716559	1.72	cps
Holmium	165-2	1848640	1822466	1766204	1812437	2.32	cps
Indium	115-1	5224814	5335160	5380713	5313562	1.51	cps
Indium	115-2	369181	354795	348450	357475	2.97	cps
Iron	56-2	28432124	28080134	28005854	28172704	0.81	cps
Iron	57-2	704580	701178	701059	702272	0.28	cps
Krypton	83-1	687	820	730	746	9.12	cps
Lead	206-1	456583	459142	457616	457780	0.28	cps
Lead	207-1	393240	391600	394807	393216	0.41	cps
Lead	208-1	1820116	1806143	1818859	1815039	0.43	cps
Lithium	6-1	394734	395476	406396	398869	1.64	cps
Magnesium	24-2	586091	576961	572898	578650	1.17	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-10DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01MS Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:31:48 DataFile Name : 052SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	537072	537212	532654	535646	0.48	cps
Molybdenum	94-1	1091023	1097472	1096223	1094906	0.31	cps
Molybdenum	95-1	1269548	1286334	1280227	1278703	0.66	cps
Molybdenum	96-1	1442222	1457243	1419426	1439630	1.32	cps
Molybdenum	97-1	790342	797577	799309	795743	0.60	cps
Molybdenum	98-1	2037529	2086137	2080815	2068160	1.29	cps
Neodymium	150-1	20690	21231	20590	20837	1.65	cps
Neodymium	150-2	4197	4344	4107	4216	2.83	cps
Nickel	60-2	77907	76576	75956	76813	1.30	cps
Phosphorus	31-2	475	550	492	506	7.79	cps
Potassium	39-2	122487	119547	124280	122105	1.96	cps
Rhodium	103-1	5321127	5388710	5559968	5423269	2.27	cps
Rhodium	103-2	2071102	1996031	1932018	1999717	3.48	cps
Scandium	45-1	3852643	3949930	4048907	3950493	2.48	cps
Scandium	45-2	49761	48293	47480	48511	2.38	cps
Selenium	77-2	117	73	177	122	42.46	cps
Selenium	78-2	311	350	363	341	7.90	cps
Selenium	82-1	9895	9863	10105	9954	1.32	cps
Silicon	28-1	3752068	3903770	3738481	3798106	2.42	cps
Silver	109-1	560040	553808	551183	555010	0.82	cps
Silver	107-1	586816	588259	585963	587012	0.20	cps
Sodium	23-2	796530	795878	796020	796142	0.04	cps
Strontium	86-1	274283	274914	276824	275340	0.48	cps
Strontium	88-1	2361782	2403689	2392280	2385917	0.91	cps
Sulfur	34-1	413700	410870	407667	410746	0.73	cps
Terbium	159-1	5979413	6046366	6087811	6037863	0.91	cps
Terbium	159-2	1895604	1832879	1768368	1832284	3.47	cps
Thallium	203-1	358579	366036	359347	361320	1.14	cps
Thallium	205-1	855102	866733	858726	860187	0.69	cps
Tin	118-1	369281	379598	377296	375392	1.44	cps
Titanium	47-1	386353	389828	385508	387230	0.59	cps
Uranium	238-1	1029559	1029000	1038464	1032341	0.51	cps
Vanadium	51-2	91024	92268	92114	91802	0.74	cps
Yttrium	89-1	6246292	6379599	6466041	6363977	1.74	cps
Yttrium	89-2	313018	305906	298923	305949	2.30	cps
Zinc	66-2	46993	46140	46608	46580	0.92	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-10DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01MS	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:31:48	DataFile Name :	052SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1004895	1022030	1019551	1015492	0.91	cps
Zirconium	91-1	222780	220969	221883	221877	0.41	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01ADL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:35:09	DataFile Name :	053SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	196322	192515	191949	193595	1.23	cps
Antimony	121-1	593187	585620	586870	588559	0.69	cps
Arsenic	75-2	13473	13342	13449	13421	0.52	cps
Barium	135-1	995454	980781	989431	988555	0.75	cps
Barium	137-1	1716530	1708730	1736626	1720628	0.84	cps
Beryllium	9-1	62947	62589	63335	62957	0.59	cps
Bismuth	209-1	3170228	3193494	3207420	3190381	0.59	cps
Bismuth	209-2	1226584	1239239	1207414	1224412	1.31	cps
Boron	10-1	7277	7836	7986	7700	4.85	cps
Boron	11-1	39238	40383	40992	40205	2.22	cps
Cadmium	111-1	141024	143539	143015	142526	0.93	cps
Cadmium	106-1	17128	16962	16235	16775	2.83	cps
Cadmium	108-1	10300	10129	10404	10278	1.35	cps
Calcium	43-1	258075	254928	257421	256808	0.65	cps
Calcium	44-1	4292367	4241549	4221754	4251890	0.86	cps
Chromium	52-2	120399	119741	119724	119954	0.32	cps
Cobalt	59-2	229198	229011	230044	229418	0.24	cps
Copper	63-2	377503	377237	378164	377635	0.13	cps
Dysprosium	156-1	17846	16620	17079	17181	3.61	cps
Dysprosium	156-2	5728	5388	5765	5627	3.69	cps
Erbium	164-1	15084	15243	15402	15243	1.04	cps
Erbium	164-2	4634	5432	4484	4850	10.50	cps
Gadolinium	160-1	16403	16795	16920	16706	1.62	cps
Gadolinium	160-2	7029	6715	6742	6829	2.55	cps
Holmium	165-1	5670414	5682514	5726639	5693189	0.52	cps
Holmium	165-2	1762841	1784516	1758860	1768739	0.78	cps
Indium	115-1	5201631	5198439	5300079	5233383	1.10	cps
Indium	115-2	348971	352307	348274	349851	0.62	cps
Iron	56-2	27694767	27705203	27385283	27595085	0.66	cps
Iron	57-2	687718	688176	684329	686741	0.31	cps
Krypton	83-1	703	770	753	742	4.68	cps
Lead	206-1	446171	442996	450951	446706	0.90	cps
Lead	207-1	386291	383346	387291	385643	0.53	cps
Lead	208-1	1764398	1767978	1798456	1776944	1.05	cps
Lithium	6-1	409124	400523	404020	404556	1.07	cps
Magnesium	24-2	578679	578497	572529	576568	0.61	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-08ADLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-1218-01ADL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 19:35:09 DataFile Name : 053SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	529443	522674	521910	524676	0.79	cps
Molybdenum	94-1	1072057	1090929	1091582	1084856	1.02	cps
Molybdenum	95-1	1247038	1271322	1262727	1260362	0.98	cps
Molybdenum	96-1	1435337	1425091	1413655	1424694	0.76	cps
Molybdenum	97-1	785130	786805	787785	786573	0.17	cps
Molybdenum	98-1	2037469	2013114	2053752	2034778	1.01	cps
Neodymium	150-1	19963	19875	20710	20183	2.27	cps
Neodymium	150-2	4054	4127	4011	4064	1.45	cps
Nickel	60-2	74716	74548	73898	74388	0.58	cps
Phosphorus	31-2	400	542	592	511	19.45	cps
Potassium	39-2	121447	119111	119884	120147	0.99	cps
Rhodium	103-1	5329768	5371746	5358161	5353225	0.40	cps
Rhodium	103-2	1963573	1979322	1941826	1961574	0.96	cps
Scandium	45-1	3946604	3927633	3886920	3920386	0.78	cps
Scandium	45-2	48239	48574	48310	48374	0.36	cps
Selenium	77-2	150	127	90	122	24.75	cps
Selenium	78-2	337	365	315	339	7.39	cps
Selenium	82-1	9746	9943	9641	9777	1.57	cps
Silicon	28-1	3833867	4063133	3844846	3913948	3.30	cps
Silver	109-1	543595	547764	550706	547355	0.65	cps
Silver	107-1	573919	571722	581143	575595	0.86	cps
Sodium	23-2	795095	801760	792340	796398	0.61	cps
Strontium	86-1	269272	270884	267334	269163	0.66	cps
Strontium	88-1	2343946	2345376	2359004	2349442	0.35	cps
Sulfur	34-1	395675	393698	390732	393368	0.63	cps
Terbium	159-1	5955008	5951717	5972181	5959635	0.18	cps
Terbium	159-2	1787270	1815958	1777233	1793487	1.12	cps
Thallium	203-1	355162	354784	350494	353480	0.73	cps
Thallium	205-1	837633	830824	837899	835452	0.48	cps
Tin	118-1	371853	366351	371449	369884	0.83	cps
Titanium	47-1	386529	390753	384009	387097	0.88	cps
Uranium	238-1	1010954	1013126	1014726	1012935	0.19	cps
Vanadium	51-2	91574	92433	90789	91598	0.90	cps
Yttrium	89-1	6286009	6251399	6300314	6279241	0.40	cps
Yttrium	89-2	300825	303067	297852	300581	0.87	cps
Zinc	66-2	45869	45187	45622	45559	0.76	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-08ADLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1218-01ADL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:35:09	DataFile Name :	053SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	987062	984232	999445	990246	0.82	cps
Zirconium	91-1	220850	220608	222459	221305	0.45	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:39:58	DataFile Name :	054CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	237864	238970	235347	237393	0.78	cps
Antimony	121-1	542	658	733	644	14.99	cps
Arsenic	75-2	1148	1232	1085	1155	6.35	cps
Barium	135-1	407503	406629	407975	407369	0.17	cps
Barium	137-1	698235	717281	713227	709581	1.41	cps
Beryllium	9-1	907	1000	927	944	5.20	cps
Bismuth	209-1	3084042	3024050	3096171	3068088	1.26	cps
Bismuth	209-2	1170180	1179435	1037558	1129058	7.03	cps
Boron	10-1	467	492	408	456	9.39	cps
Boron	11-1	2267	1884	2100	2084	9.23	cps
Cadmium	111-1	1518	1576	1506	1534	2.45	cps
Cadmium	106-1	1692	1800	1767	1753	3.17	cps
Cadmium	108-1	100	138	92	110	22.25	cps
Calcium	43-1	48166	48099	48483	48249	0.43	cps
Calcium	44-1	808680	823731	819828	817413	0.96	cps
Chromium	52-2	29765	29511	29237	29505	0.89	cps
Cobalt	59-2	40593	40479	40800	40624	0.40	cps
Copper	63-2	55360	54232	53978	54523	1.35	cps
Dysprosium	156-1	17855	19015	18422	18430	3.15	cps
Dysprosium	156-2	6065	5958	5898	5974	1.41	cps
Erbium	164-1	16536	16069	16803	16470	2.26	cps
Erbium	164-2	4684	5008	4941	4878	3.50	cps
Gadolinium	160-1	17905	17980	18030	17971	0.35	cps
Gadolinium	160-2	7222	7269	7446	7312	1.61	cps
Holmium	165-1	5493101	5333234	5496126	5440820	1.71	cps
Holmium	165-2	1736380	1724633	1509305	1656773	7.72	cps
Indium	115-1	5201995	4957255	5086619	5081956	2.41	cps
Indium	115-2	341399	339970	303114	328161	6.61	cps
Iron	56-2	36411267	36159534	36048694	36206498	0.51	cps
Iron	57-2	909998	901150	912703	907950	0.67	cps
Krypton	83-1	670	700	757	709	6.21	cps
Lead	206-1	112821	112270	114125	113072	0.84	cps
Lead	207-1	93627	94265	92245	93379	1.11	cps
Lead	208-1	437406	439776	440235	439139	0.35	cps
Lithium	6-1	395258	393215	400378	396284	0.93	cps
Magnesium	24-2	336647	335379	333487	335171	0.47	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:39:58	DataFile Name :	054CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	785486	782757	787555	785266	0.31	cps
Molybdenum	94-1	24347	24456	24022	24275	0.93	cps
Molybdenum	95-1	1542	1592	1592	1575	1.83	cps
Molybdenum	96-1	5468	5693	5793	5651	2.95	cps
Molybdenum	97-1	1150	1200	1258	1203	4.51	cps
Molybdenum	98-1	2567	2267	2434	2423	6.21	cps
Neodymium	150-1	21919	22700	22447	22355	1.78	cps
Neodymium	150-2	4301	4601	4564	4489	3.65	cps
Nickel	60-2	21671	21684	21534	21629	0.38	cps
Phosphorus	31-2	542	392	492	475	16.08	cps
Potassium	39-2	22652	23262	23245	23053	1.51	cps
Rhodium	103-1	5271038	5092258	5204924	5189406	1.74	cps
Rhodium	103-2	1918994	1900421	1717528	1845647	6.03	cps
Scandium	45-1	3907926	3791971	3867247	3855715	1.53	cps
Scandium	45-2	47741	48059	43725	46508	5.19	cps
Selenium	77-2	30	63	23	39	55.11	cps
Selenium	78-2	24	30	19	24	23.08	cps
Selenium	82-1	-27	-44	-101	-57	-67.58	cps
Silicon	28-1	938164	1079729	1013424	1010439	7.01	cps
Silver	109-1	708	692	683	694	1.83	cps
Silver	107-1	750	733	783	756	3.37	cps
Sodium	23-2	26283	25991	26692	26322	1.34	cps
Strontium	86-1	45754	46012	47032	46266	1.46	cps
Strontium	88-1	386357	388479	391321	388719	0.64	cps
Sulfur	34-1	348976	342209	343472	344886	1.04	cps
Terbium	159-1	5832840	5598442	5713907	5715063	2.05	cps
Terbium	159-2	1708990	1749782	1511530	1656767	7.69	cps
Thallium	203-1	683	750	508	647	19.28	cps
Thallium	205-1	1759	1600	1767	1709	5.50	cps
Tin	118-1	808	692	800	767	8.49	cps
Titanium	47-1	6535	7236	6952	6908	5.10	cps
Uranium	238-1	6085	6143	6444	6224	3.09	cps
Vanadium	51-2	23153	23236	23944	23444	1.85	cps
Yttrium	89-1	6224493	6068928	6182018	6158480	1.31	cps
Yttrium	89-2	296341	296735	264632	285903	6.44	cps
Zinc	66-2	20742	20873	20519	20711	0.86	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-11DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 19:39:58	DataFile Name :	054CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	64546	65877	65901	65441	1.19	cps
Zirconium	91-1	14784	14342	14700	14608	1.61	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P8
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:48:28	DataFile Name :	055CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	455193	456767	453716	455225	0.34	cps
Antimony	121-1	3035194	3018781	3014072	3022682	0.37	cps
Arsenic	75-2	61183	60684	59991	60619	0.99	cps
Barium	135-1	2980112	3044145	3018594	3014284	1.07	cps
Barium	137-1	5139642	5225186	5186613	5183814	0.83	cps
Beryllium	9-1	346375	346604	345767	346249	0.12	cps
Bismuth	209-1	3151451	2830919	3204492	3062287	6.60	cps
Bismuth	209-2	1210863	1222523	1205544	1212977	0.72	cps
Boron	10-1	45766	45414	47012	46064	1.82	cps
Boron	11-1	235334	239139	244668	239713	1.96	cps
Cadmium	111-1	730460	735186	726250	730632	0.61	cps
Cadmium	106-1	78731	77691	77382	77935	0.91	cps
Cadmium	108-1	52903	53033	53665	53200	0.77	cps
Calcium	43-1	4226738	4337814	4252033	4272195	1.36	cps
Calcium	44-1	67730054	68562541	67573399	67955331	0.78	cps
Chromium	52-2	509589	507679	502452	506573	0.73	cps
Cobalt	59-2	980623	974351	976715	977230	0.32	cps
Copper	63-2	1642751	1622806	1614783	1626780	0.89	cps
Dysprosium	156-1	42	83	58	61	34.32	cps
Dysprosium	156-2	10	3	7	7	50.03	cps
Erbium	164-1	75	42	25	47	53.91	cps
Erbium	164-2	17	0	7	8	107.84	cps
Gadolinium	160-1	42	83	42	56	43.30	cps
Gadolinium	160-2	10	30	10	17	69.28	cps
Holmium	165-1	5798133	5246905	5815390	5620143	5.75	cps
Holmium	165-2	1830983	1842455	1792911	1822116	1.42	cps
Indium	115-1	5151326	4657106	5231115	5013183	6.20	cps
Indium	115-2	343277	348323	349403	347001	0.94	cps
Iron	56-2	86227669	86290544	84836496	85784903	0.96	cps
Iron	57-2	2235031	2205700	2235081	2225271	0.76	cps
Krypton	83-1	737	603	703	681	10.19	cps
Lead	206-1	1394559	1403859	1387985	1395468	0.57	cps
Lead	207-1	1266073	1269489	1251499	1262354	0.76	cps
Lead	208-1	5777459	5765772	5697619	5746950	0.75	cps
Lithium	6-1	459084	416916	462685	446228	5.70	cps
Magnesium	24-2	9487811	9389148	9527894	9468284	0.75	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P8
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:48:28	DataFile Name :	055CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	307712	305069	305436	306072	0.47	cps
Molybdenum	94-1	5762125	5877284	5735007	5791472	1.30	cps
Molybdenum	95-1	7059775	7100476	7075092	7078448	0.29	cps
Molybdenum	96-1	7772496	7863085	7903112	7846231	0.85	cps
Molybdenum	97-1	4367616	4444254	4410142	4407337	0.87	cps
Molybdenum	98-1	11237523	11349453	11308687	11298554	0.50	cps
Neodymium	150-1	240	153	200	198	21.93	cps
Neodymium	150-2	10	7	10	9	21.63	cps
Nickel	60-2	291200	288076	287185	288820	0.73	cps
Phosphorus	31-2	6635	6027	6327	6329	4.81	cps
Potassium	39-2	2791245	2806823	2768391	2788819	0.69	cps
Rhodium	103-1	5096367	4670297	5284041	5016902	6.27	cps
Rhodium	103-2	1879865	1901093	1916519	1899159	0.97	cps
Scandium	45-1	3962231	3658907	4122243	3914461	6.01	cps
Scandium	45-2	49256	49015	48989	49087	0.30	cps
Selenium	77-2	450	483	467	467	3.57	cps
Selenium	78-2	1563	1624	1537	1575	2.84	cps
Selenium	82-1	48108	48342	48013	48154	0.35	cps
Silicon	28-1	2072519	2120756	2099736	2097670	1.15	cps
Silver	109-1	3228562	3253353	3214856	3232257	0.60	cps
Silver	107-1	3400352	3405836	3388814	3398334	0.26	cps
Sodium	23-2	21036682	20848918	21049474	20978358	0.54	cps
Strontium	86-1	883935	898908	887453	890099	0.88	cps
Strontium	88-1	7543605	7686573	7602256	7610811	0.94	cps
Sulfur	34-1	720244	725047	723764	723018	0.34	cps
Terbium	159-1	6041533	5404345	6122036	5855971	6.71	cps
Terbium	159-2	1813202	1832275	1824346	1823274	0.53	cps
Thallium	203-1	1782383	1801949	1766988	1783773	0.98	cps
Thallium	205-1	4251109	4303556	4212796	4255820	1.07	cps
Tin	118-1	2152200	2169353	2130113	2150555	0.91	cps
Titanium	47-1	2130075	2166981	2148724	2148593	0.86	cps
Uranium	238-1	5286361	5263978	5173222	5241187	1.14	cps
Vanadium	51-2	365272	364481	360794	363516	0.66	cps
Yttrium	89-1	6069038	5501042	6218042	5929374	6.38	cps
Yttrium	89-2	291311	293811	292441	292521	0.43	cps
Zinc	66-2	169977	169663	169613	169751	0.12	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV03	Instrumnet Name :	P8
Client Sample ID :	CCV03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:48:28	DataFile Name :	055CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4916157	4924255	4901780	4914064	0.23	cps
Zirconium	91-1	1065466	1084294	1055883	1068548	1.35	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P8
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:51:41	DataFile Name :	056CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	48	35	30	38	24.03	cps
Antimony	121-1	2059	1700	2067	1942	10.78	cps
Arsenic	75-2	6	2	20	9	105.82	cps
Barium	135-1	67	33	50	50	33.34	cps
Barium	137-1	158	100	33	97	64.34	cps
Beryllium	9-1	43	47	70	53	27.24	cps
Bismuth	209-1	3349795	3317175	3333351	3333440	0.49	cps
Bismuth	209-2	1246256	1263371	1173605	1227744	3.88	cps
Boron	10-1	925	833	725	828	12.09	cps
Boron	11-1	3992	4318	3926	4079	5.14	cps
Cadmium	111-1	1362	1285	1171	1273	7.58	cps
Cadmium	106-1	1934	1792	1675	1800	7.19	cps
Cadmium	108-1	29	4	21	18	70.49	cps
Calcium	43-1	537	400	490	476	14.61	cps
Calcium	44-1	61099	60995	60279	60791	0.73	cps
Chromium	52-2	1210	1373	1223	1269	7.15	cps
Cobalt	59-2	97	80	60	79	23.27	cps
Copper	63-2	217	260	263	247	10.56	cps
Dysprosium	156-1	17	8	8	11	43.34	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	17	8	33	19	65.47	cps
Erbium	164-2	3	7	3	4	43.40	cps
Gadolinium	160-1	25	25	17	22	21.64	cps
Gadolinium	160-2	0	7	10	6	91.64	cps
Holmium	165-1	5785386	5727186	5675314	5729295	0.96	cps
Holmium	165-2	1787905	1820851	1683767	1764175	4.06	cps
Indium	115-1	5449929	5440495	5408818	5433081	0.40	cps
Indium	115-2	356729	356249	333457	348812	3.81	cps
Iron	56-2	2889	2956	2928	2924	1.15	cps
Iron	57-2	78	44	67	63	26.95	cps
Krypton	83-1	637	773	640	683	11.41	cps
Lead	206-1	644	628	600	624	3.60	cps
Lead	207-1	522	489	539	517	4.93	cps
Lead	208-1	2439	2306	2222	2322	4.71	cps
Lithium	6-1	467702	465446	461183	464777	0.71	cps
Magnesium	24-2	308	308	283	300	4.81	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB03 Instrumnet Name : P8
 Client Sample ID : CCB03 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 19:51:41 DataFile Name : 056CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	40	50	43	44	11.46	cps
Molybdenum	94-1	525	408	550	494	15.29	cps
Molybdenum	95-1	458	433	467	453	3.83	cps
Molybdenum	96-1	558	500	533	531	5.52	cps
Molybdenum	97-1	358	433	392	394	9.53	cps
Molybdenum	98-1	692	742	567	667	13.52	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	83	77	77	79	4.88	cps
Phosphorus	31-2	8	0	0	3	173.21	cps
Potassium	39-2	6277	6268	6027	6191	2.29	cps
Rhodium	103-1	5495914	5481305	5411230	5462816	0.83	cps
Rhodium	103-2	2026713	1997573	1878190	1967492	4.00	cps
Scandium	45-1	4050822	4057353	4004287	4037487	0.72	cps
Scandium	45-2	48163	47708	44845	46905	3.83	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	0	4	2	2	100.00	cps
Selenium	82-1	-85	-222	-67	-124	-67.85	cps
Silicon	28-1	356599	350264	352484	353116	0.91	cps
Silver	109-1	350	200	183	244	37.55	cps
Silver	107-1	367	300	308	325	11.18	cps
Sodium	23-2	22485	20591	20933	21336	4.73	cps
Strontium	86-1	1008	1158	942	1036	10.71	cps
Strontium	88-1	200	125	117	147	31.17	cps
Sulfur	34-1	455746	460464	453402	456537	0.79	cps
Terbium	159-1	6095176	5961239	6055601	6037339	1.14	cps
Terbium	159-2	1838425	1807454	1717407	1787762	3.52	cps
Thallium	203-1	400	408	300	369	16.32	cps
Thallium	205-1	850	758	600	736	17.18	cps
Tin	118-1	508	525	400	478	14.21	cps
Titanium	47-1	100	108	100	103	4.68	cps
Uranium	238-1	100	67	33	67	50.00	cps
Vanadium	51-2	3	27	10	13	90.16	cps
Yttrium	89-1	6147397	6045865	6085662	6092975	0.84	cps
Yttrium	89-2	293230	287002	273050	284427	3.63	cps
Zinc	66-2	250	207	217	224	10.11	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB03	Instrumnet Name :	P8
Client Sample ID :	CCB03	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 19:51:41	DataFile Name :	056CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	700	667	567	644	10.77	cps
Zirconium	91-1	225	108	100	144	48.38	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-01DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS023-1824-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:19:43 DataFile Name : 057SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	255901	251535	249949	252462	1.22	cps
Antimony	121-1	467	625	667	586	18.00	cps
Arsenic	75-2	1222	1202	1183	1203	1.62	cps
Barium	135-1	411449	407377	406188	408338	0.68	cps
Barium	137-1	711151	714170	704040	709787	0.73	cps
Beryllium	9-1	1040	903	990	978	7.07	cps
Bismuth	209-1	3215268	3176957	3229555	3207260	0.85	cps
Bismuth	209-2	1210768	1180211	1153924	1181635	2.41	cps
Boron	10-1	267	367	292	308	16.88	cps
Boron	11-1	1700	1675	1517	1631	6.10	cps
Cadmium	111-1	1551	1388	1603	1514	7.41	cps
Cadmium	106-1	1759	1592	1867	1739	7.97	cps
Cadmium	108-1	108	92	83	94	13.48	cps
Calcium	43-1	30270	30677	30333	30426	0.72	cps
Calcium	44-1	541504	537582	534027	537705	0.70	cps
Chromium	52-2	29214	28359	28890	28821	1.50	cps
Cobalt	59-2	38343	38279	38834	38485	0.79	cps
Copper	63-2	45983	45996	45277	45752	0.90	cps
Dysprosium	156-1	13741	14142	14417	14100	2.41	cps
Dysprosium	156-2	4414	4598	4431	4481	2.26	cps
Erbium	164-1	11789	12114	11906	11937	1.38	cps
Erbium	164-2	3744	3644	3514	3634	3.17	cps
Gadolinium	160-1	13449	14000	12915	13455	4.03	cps
Gadolinium	160-2	5221	5385	5188	5264	2.00	cps
Holmium	165-1	5624638	5598138	5562508	5595095	0.56	cps
Holmium	165-2	1756686	1710500	1679658	1715615	2.26	cps
Indium	115-1	5184623	5147536	5355113	5229091	2.12	cps
Indium	115-2	347170	344957	333972	342033	2.07	cps
Iron	56-2	41295873	41529168	40640877	41155306	1.12	cps
Iron	57-2	1047535	1035944	1028383	1037287	0.93	cps
Krypton	83-1	713	707	673	698	3.07	cps
Lead	206-1	208776	204516	200747	204680	1.96	cps
Lead	207-1	177292	175936	170656	174628	2.01	cps
Lead	208-1	817585	804774	793999	805453	1.47	cps
Lithium	6-1	413433	402774	405268	407159	1.37	cps
Magnesium	24-2	321423	317267	314997	317895	1.03	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-01DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS023-1824-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:19:43 DataFile Name : 057SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	974856	970895	953891	966547	1.15	cps
Molybdenum	94-1	18939	19097	19323	19120	1.01	cps
Molybdenum	95-1	2084	1650	1975	1903	11.85	cps
Molybdenum	96-1	5218	5101	4809	5043	4.17	cps
Molybdenum	97-1	1333	1433	1267	1345	6.24	cps
Molybdenum	98-1	2750	3034	3075	2953	5.99	cps
Neodymium	150-1	17532	17372	17085	17330	1.31	cps
Neodymium	150-2	3701	3437	3497	3545	3.89	cps
Nickel	60-2	19057	19300	18356	18904	2.59	cps
Phosphorus	31-2	967	992	883	947	5.99	cps
Potassium	39-2	25633	25724	25958	25772	0.65	cps
Rhodium	103-1	5339264	5333074	5350831	5341056	0.17	cps
Rhodium	103-2	1955339	1961274	1878311	1931642	2.40	cps
Scandium	45-1	3867559	3821172	4008012	3898914	2.50	cps
Scandium	45-2	48674	47764	46169	47536	2.67	cps
Selenium	77-2	17	33	33	28	34.63	cps
Selenium	78-2	15	28	6	16	69.54	cps
Selenium	82-1	-61	-81	-23	-55	-53.76	cps
Silicon	28-1	1012654	969995	961724	981458	2.78	cps
Silver	109-1	742	542	692	658	15.81	cps
Silver	107-1	742	800	633	725	11.67	cps
Sodium	23-2	30350	31093	29548	30330	2.55	cps
Strontium	86-1	28848	27211	28740	28266	3.24	cps
Strontium	88-1	237911	237277	234957	236715	0.66	cps
Sulfur	34-1	404253	393181	382997	393477	2.70	cps
Terbium	159-1	5926794	5901563	5965587	5931315	0.54	cps
Terbium	159-2	1771525	1729942	1697624	1733030	2.14	cps
Thallium	203-1	733	708	725	722	1.76	cps
Thallium	205-1	1775	1725	1634	1711	4.20	cps
Tin	118-1	2442	2467	2550	2486	2.28	cps
Titanium	47-1	11922	12331	12081	12111	1.70	cps
Uranium	238-1	6068	5868	5985	5974	1.68	cps
Vanadium	51-2	27190	27123	26819	27044	0.73	cps
Yttrium	89-1	6200025	6238558	6259870	6232818	0.49	cps
Yttrium	89-2	297784	294783	286390	292986	2.02	cps
Zinc	66-2	29602	29475	28720	29266	1.63	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-01DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS023-1824-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:19:43	DataFile Name :	057SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	52553	50696	51883	51710	1.82	cps
Zirconium	91-1	12089	10855	11822	11589	5.60	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-02DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS024-0006-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:23:07 DataFile Name : 058SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	82201	80262	80307	80923	1.37	cps
Antimony	121-1	842	625	700	722	15.23	cps
Arsenic	75-2	370	378	393	380	2.98	cps
Barium	135-1	342011	348007	346498	345505	0.90	cps
Barium	137-1	597359	588724	601937	596007	1.13	cps
Beryllium	9-1	260	317	307	294	10.27	cps
Bismuth	209-1	3128173	3194672	3140838	3154561	1.12	cps
Bismuth	209-2	1182483	1200134	1227257	1203291	1.87	cps
Boron	10-1	250	258	200	236	13.36	cps
Boron	11-1	1567	1308	1342	1406	10.00	cps
Cadmium	111-1	2481	2468	2514	2487	0.94	cps
Cadmium	106-1	1875	1734	1725	1778	4.74	cps
Cadmium	108-1	171	113	117	133	24.41	cps
Calcium	43-1	77154	77087	77767	77336	0.48	cps
Calcium	44-1	1329210	1326752	1321237	1325733	0.31	cps
Chromium	52-2	11345	11165	11335	11281	0.90	cps
Cobalt	59-2	7946	7766	8136	7949	2.33	cps
Copper	63-2	52957	53325	52656	52980	0.63	cps
Dysprosium	156-1	9045	8953	9104	9034	0.84	cps
Dysprosium	156-2	3014	3164	2920	3033	4.05	cps
Erbium	164-1	7786	7986	7861	7878	1.28	cps
Erbium	164-2	2207	2284	2280	2257	1.92	cps
Gadolinium	160-1	9929	9079	8462	9156	8.05	cps
Gadolinium	160-2	3594	3737	3557	3629	2.62	cps
Holmium	165-1	5504732	5579754	5501004	5528496	0.80	cps
Holmium	165-2	1732559	1740524	1779530	1750871	1.44	cps
Indium	115-1	5182451	5288432	5152191	5207691	1.37	cps
Indium	115-2	346023	351903	355047	350991	1.30	cps
Iron	56-2	7819072	7720566	7851547	7797062	0.87	cps
Iron	57-2	197294	195548	193874	195572	0.87	cps
Krypton	83-1	700	777	683	720	6.91	cps
Lead	206-1	71591	71037	72389	71672	0.95	cps
Lead	207-1	61354	59958	60874	60729	1.17	cps
Lead	208-1	282337	279844	283951	282044	0.73	cps
Lithium	6-1	380418	391175	389737	387110	1.51	cps
Magnesium	24-2	57525	57007	57375	57303	0.47	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:23:07	DataFile Name :	058SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	54232	53171	53599	53667	0.99	cps
Molybdenum	94-1	9104	9287	9087	9159	1.21	cps
Molybdenum	95-1	1692	1875	1750	1772	5.29	cps
Molybdenum	96-1	3401	3417	3251	3356	2.74	cps
Molybdenum	97-1	1433	1467	1333	1411	4.92	cps
Molybdenum	98-1	2825	3226	2600	2884	10.98	cps
Neodymium	150-1	11379	11545	11072	11332	2.12	cps
Neodymium	150-2	2270	2267	2357	2298	2.22	cps
Nickel	60-2	7249	7002	7162	7137	1.75	cps
Phosphorus	31-2	508	367	425	433	16.43	cps
Potassium	39-2	18763	20057	19915	19578	3.62	cps
Rhodium	103-1	5240204	5407121	5216744	5288023	1.96	cps
Rhodium	103-2	1937168	1978039	1998172	1971126	1.58	cps
Scandium	45-1	3775010	3900728	3826750	3834163	1.65	cps
Scandium	45-2	47386	48279	49089	48252	1.77	cps
Selenium	77-2	20	37	13	23	51.52	cps
Selenium	78-2	26	22	20	23	12.40	cps
Selenium	82-1	47	-71	28	1	4531.69	cps
Silicon	28-1	795804	814252	788052	799370	1.68	cps
Silver	109-1	433	400	567	467	18.90	cps
Silver	107-1	567	458	517	514	10.55	cps
Sodium	23-2	23437	23796	24130	23787	1.46	cps
Strontium	86-1	70926	69235	69729	69963	1.24	cps
Strontium	88-1	598565	600596	593464	597542	0.61	cps
Sulfur	34-1	413402	413010	415751	414054	0.36	cps
Terbium	159-1	5741163	5845686	5767219	5784689	0.94	cps
Terbium	159-2	1754193	1745055	1792697	1763982	1.43	cps
Thallium	203-1	200	183	250	211	16.43	cps
Thallium	205-1	525	567	492	528	7.12	cps
Tin	118-1	1592	1392	1542	1509	6.90	cps
Titanium	47-1	13682	14491	14124	14099	2.87	cps
Uranium	238-1	6127	6235	6252	6205	1.09	cps
Vanadium	51-2	8226	7649	7792	7889	3.81	cps
Yttrium	89-1	5960060	6204545	6115265	6093290	2.03	cps
Yttrium	89-2	294441	296011	298627	296359	0.71	cps
Zinc	66-2	7582	7486	7422	7497	1.08	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-02DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:23:07	DataFile Name :	058SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	23346	22428	22945	22906	2.01	cps
Zirconium	91-1	5718	5351	5193	5421	4.97	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-03DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS024-0612-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:26:31 DataFile Name : 059SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	110338	111625	110161	110708	0.72	cps
Antimony	121-1	700	925	808	811	13.87	cps
Arsenic	75-2	500	494	422	472	9.19	cps
Barium	135-1	541427	537748	547371	542182	0.90	cps
Barium	137-1	945360	932925	949137	942474	0.90	cps
Beryllium	9-1	447	520	493	487	7.63	cps
Bismuth	209-1	3177563	3102585	3118796	3132982	1.26	cps
Bismuth	209-2	1172559	1184835	1180442	1179279	0.53	cps
Boron	10-1	208	225	267	233	12.88	cps
Boron	11-1	1142	1108	1300	1183	8.65	cps
Cadmium	111-1	2241	2164	2309	2238	3.23	cps
Cadmium	106-1	1950	1734	1850	1845	5.88	cps
Cadmium	108-1	100	100	88	96	7.53	cps
Calcium	43-1	118432	116595	118957	117995	1.05	cps
Calcium	44-1	2019981	1964559	2002526	1995689	1.42	cps
Chromium	52-2	14401	14731	14367	14500	1.39	cps
Cobalt	59-2	10101	10117	9874	10030	1.36	cps
Copper	63-2	68944	70679	70062	69895	1.26	cps
Dysprosium	156-1	15443	15627	16052	15707	1.99	cps
Dysprosium	156-2	5381	5385	5411	5392	0.31	cps
Erbium	164-1	13716	13683	14108	13836	1.71	cps
Erbium	164-2	3841	4077	4164	4027	4.16	cps
Gadolinium	160-1	16236	16002	16019	16086	0.81	cps
Gadolinium	160-2	6835	6572	6262	6556	4.38	cps
Holmium	165-1	5600761	5479259	5460496	5513505	1.38	cps
Holmium	165-2	1746263	1711839	1733820	1730641	1.01	cps
Indium	115-1	5244927	5114830	5102060	5153939	1.53	cps
Indium	115-2	342391	344318	338934	341881	0.80	cps
Iron	56-2	9132839	9173269	9228476	9178195	0.52	cps
Iron	57-2	232804	231722	229174	231233	0.81	cps
Krypton	83-1	767	623	733	708	10.60	cps
Lead	206-1	85839	83904	85951	85231	1.35	cps
Lead	207-1	70825	70283	69819	70309	0.72	cps
Lead	208-1	332894	326132	329596	329540	1.03	cps
Lithium	6-1	380843	376104	379508	378818	0.65	cps
Magnesium	24-2	63476	62580	61526	62528	1.56	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:26:31	DataFile Name :	059SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	48086	48628	49049	48588	0.99	cps
Molybdenum	94-1	14033	13958	14283	14091	1.21	cps
Molybdenum	95-1	2442	2667	2334	2481	6.86	cps
Molybdenum	96-1	5051	5034	5160	5082	1.34	cps
Molybdenum	97-1	1583	1942	1850	1792	10.39	cps
Molybdenum	98-1	4276	4159	4017	4151	3.12	cps
Neodymium	150-1	17479	17212	17319	17336	0.77	cps
Neodymium	150-2	3587	3887	3384	3619	7.00	cps
Nickel	60-2	8316	8179	8403	8299	1.36	cps
Phosphorus	31-2	450	617	408	492	22.42	cps
Potassium	39-2	17220	16986	18021	17409	3.12	cps
Rhodium	103-1	5272897	5224835	5325374	5274368	0.95	cps
Rhodium	103-2	1942580	1923549	1917519	1927882	0.68	cps
Scandium	45-1	3881878	3724196	3788324	3798133	2.09	cps
Scandium	45-2	47243	46163	47005	46804	1.21	cps
Selenium	77-2	50	20	23	31	52.86	cps
Selenium	78-2	26	30	24	27	10.66	cps
Selenium	82-1	51	178	77	102	66.15	cps
Silicon	28-1	1344235	1325836	1316584	1328885	1.06	cps
Silver	109-1	492	458	433	461	6.35	cps
Silver	107-1	433	475	625	511	19.72	cps
Sodium	23-2	24464	23787	23487	23913	2.09	cps
Strontium	86-1	112135	108463	112511	111036	2.01	cps
Strontium	88-1	935725	926796	932997	931839	0.49	cps
Sulfur	34-1	442974	438674	439293	440313	0.53	cps
Terbium	159-1	5916546	5855968	5823482	5865332	0.81	cps
Terbium	159-2	1715619	1751925	1720161	1729235	1.14	cps
Thallium	203-1	275	367	283	308	16.44	cps
Thallium	205-1	825	767	800	797	3.67	cps
Tin	118-1	1750	1842	1859	1817	3.21	cps
Titanium	47-1	21801	22202	21676	21893	1.25	cps
Uranium	238-1	8887	9254	9079	9073	2.02	cps
Vanadium	51-2	10841	10744	10848	10811	0.54	cps
Yttrium	89-1	6173567	6051728	6104933	6110076	1.00	cps
Yttrium	89-2	294741	292217	286333	291097	1.48	cps
Zinc	66-2	9033	9207	8916	9052	1.61	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-03DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-0612-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:26:31	DataFile Name :	059SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	35514	35247	35038	35266	0.68	cps
Zirconium	91-1	7544	7936	7644	7708	2.64	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:29:54	DataFile Name :	060SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	121354	120168	120330	120617	0.53	cps
Antimony	121-1	808	817	875	833	4.36	cps
Arsenic	75-2	891	813	804	836	5.72	cps
Barium	135-1	537288	540051	538908	538749	0.26	cps
Barium	137-1	934963	938436	943251	938883	0.44	cps
Beryllium	9-1	480	513	523	506	4.49	cps
Bismuth	209-1	3072963	2979243	3111006	3054404	2.22	cps
Bismuth	209-2	1189198	1186444	1167699	1181114	0.99	cps
Boron	10-1	275	200	217	231	17.08	cps
Boron	11-1	1250	1292	1217	1253	3.00	cps
Cadmium	111-1	2125	2142	2003	2090	3.63	cps
Cadmium	106-1	1875	1917	1759	1850	4.44	cps
Cadmium	108-1	125	154	88	122	27.34	cps
Calcium	43-1	126052	127078	125908	126346	0.51	cps
Calcium	44-1	2141600	2168418	2141147	2150388	0.73	cps
Chromium	52-2	15959	16029	16243	16077	0.92	cps
Cobalt	59-2	15485	15118	15175	15260	1.29	cps
Copper	63-2	78203	77836	79895	78645	1.40	cps
Dysprosium	156-1	13691	14442	13891	14008	2.78	cps
Dysprosium	156-2	4791	4591	4894	4759	3.24	cps
Erbium	164-1	12657	12039	12482	12393	2.57	cps
Erbium	164-2	3514	3804	3491	3603	4.85	cps
Gadolinium	160-1	13783	13816	13708	13769	0.40	cps
Gadolinium	160-2	5598	5815	5628	5680	2.07	cps
Holmium	165-1	5484930	5287781	5502165	5424959	2.20	cps
Holmium	165-2	1720702	1728761	1691186	1713550	1.15	cps
Indium	115-1	5057783	4988072	5109446	5051767	1.21	cps
Indium	115-2	345944	346950	336729	343208	1.64	cps
Iron	56-2	14042411	14121924	14012121	14058819	0.40	cps
Iron	57-2	351660	353706	353300	352889	0.31	cps
Krypton	83-1	683	787	627	699	11.61	cps
Lead	206-1	129678	129027	127243	128649	0.98	cps
Lead	207-1	108555	108236	109318	108703	0.51	cps
Lead	208-1	502256	502743	502813	502604	0.06	cps
Lithium	6-1	378587	365092	380571	374750	2.25	cps
Magnesium	24-2	107479	104424	105700	105868	1.45	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:29:54	DataFile Name :	060SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	148156	149508	149295	148986	0.49	cps
Molybdenum	94-1	17370	16636	17712	17239	3.19	cps
Molybdenum	95-1	2967	3051	2942	2987	1.90	cps
Molybdenum	96-1	5601	5526	5851	5660	3.01	cps
Molybdenum	97-1	2084	2167	2159	2136	2.15	cps
Molybdenum	98-1	4893	4884	4693	4823	2.35	cps
Neodymium	150-1	16471	17005	16531	16669	1.76	cps
Neodymium	150-2	3277	3410	3274	3320	2.35	cps
Nickel	60-2	11098	10781	11058	10979	1.57	cps
Phosphorus	31-2	517	567	483	522	8.03	cps
Potassium	39-2	20023	19606	19531	19720	1.34	cps
Rhodium	103-1	5250915	5045961	5328902	5208592	2.81	cps
Rhodium	103-2	1959992	1951840	1892588	1934807	1.90	cps
Scandium	45-1	3756827	3682573	3789260	3742887	1.46	cps
Scandium	45-2	47878	47206	45420	46835	2.71	cps
Selenium	77-2	23	33	17	24	34.31	cps
Selenium	78-2	24	24	17	22	19.78	cps
Selenium	82-1	73	-34	156	65	145.59	cps
Silicon	28-1	2093760	2121388	2073742	2096296	1.14	cps
Silver	109-1	542	525	367	478	20.22	cps
Silver	107-1	608	400	500	503	20.73	cps
Sodium	23-2	23712	22861	22727	23100	2.31	cps
Strontium	86-1	118210	117973	119638	118607	0.76	cps
Strontium	88-1	1023361	1020199	1018394	1020652	0.25	cps
Sulfur	34-1	406030	412511	409973	409505	0.80	cps
Terbium	159-1	5704726	5528154	5849880	5694253	2.83	cps
Terbium	159-2	1749547	1756400	1691460	1732469	2.06	cps
Thallium	203-1	400	308	317	342	14.84	cps
Thallium	205-1	1008	708	775	831	18.97	cps
Tin	118-1	1950	2159	2209	2106	6.51	cps
Titanium	47-1	21709	21292	21058	21353	1.54	cps
Uranium	238-1	7986	8086	8311	8128	2.05	cps
Vanadium	51-2	14274	14171	14164	14203	0.43	cps
Yttrium	89-1	6006187	5830058	6102394	5979547	2.31	cps
Yttrium	89-2	299044	295825	290829	295233	1.40	cps
Zinc	66-2	11665	12009	11505	11726	2.19	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-04DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS024-1218-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:29:54	DataFile Name :	060SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	42994	43312	42125	42810	1.44	cps
Zirconium	91-1	9487	9729	9929	9715	2.28	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-06DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-0006-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:33:18 DataFile Name : 061SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	109083	109806	107238	108709	1.22	cps
Antimony	121-1	675	758	667	700	7.24	cps
Arsenic	75-2	539	513	513	522	2.87	cps
Barium	135-1	396891	405175	402099	401388	1.04	cps
Barium	137-1	701000	702915	702494	702136	0.14	cps
Beryllium	9-1	403	400	407	403	0.83	cps
Bismuth	209-1	3222756	3153784	3200748	3192429	1.10	cps
Bismuth	209-2	1184679	1151550	1154830	1163686	1.57	cps
Boron	10-1	192	242	208	214	11.90	cps
Boron	11-1	950	1133	1100	1061	9.20	cps
Cadmium	111-1	1904	1788	1890	1861	3.38	cps
Cadmium	106-1	1859	1450	1800	1703	12.97	cps
Cadmium	108-1	92	50	113	85	37.56	cps
Calcium	43-1	84881	85167	83530	84526	1.03	cps
Calcium	44-1	1439860	1448025	1443216	1443700	0.28	cps
Chromium	52-2	13473	14024	13914	13804	2.11	cps
Cobalt	59-2	12422	13056	12422	12634	2.90	cps
Copper	63-2	56197	56113	56190	56167	0.08	cps
Dysprosium	156-1	11072	10730	11614	11139	4.00	cps
Dysprosium	156-2	3387	3767	3551	3568	5.34	cps
Erbium	164-1	9612	10246	10388	10082	4.10	cps
Erbium	164-2	2827	3100	2967	2965	4.61	cps
Gadolinium	160-1	10788	11456	10797	11013	3.48	cps
Gadolinium	160-2	4554	4367	4364	4429	2.46	cps
Holmium	165-1	5599757	5655646	5636246	5630550	0.50	cps
Holmium	165-2	1730877	1669768	1669171	1689939	2.10	cps
Indium	115-1	5230299	5174517	5250964	5218593	0.76	cps
Indium	115-2	341590	335447	336656	337898	0.96	cps
Iron	56-2	11969969	11834092	11842163	11882075	0.64	cps
Iron	57-2	299278	300009	294856	298048	0.94	cps
Krypton	83-1	687	633	677	666	4.26	cps
Lead	206-1	86885	87691	85610	86728	1.21	cps
Lead	207-1	72920	72227	70270	71806	1.91	cps
Lead	208-1	338993	339767	330780	336513	1.48	cps
Lithium	6-1	371013	374467	378044	374508	0.94	cps
Magnesium	24-2	89357	89482	85684	88174	2.45	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:33:18	DataFile Name :	061SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	116548	117677	115422	116549	0.97	cps
Molybdenum	94-1	10871	11564	10955	11130	3.40	cps
Molybdenum	95-1	2467	2684	2234	2461	9.15	cps
Molybdenum	96-1	4443	4301	4418	4387	1.72	cps
Molybdenum	97-1	1975	1592	1642	1736	12.00	cps
Molybdenum	98-1	3484	4009	4034	3842	8.09	cps
Neodymium	150-1	13928	13040	12660	13209	4.93	cps
Neodymium	150-2	2854	2794	2500	2716	6.96	cps
Nickel	60-2	8823	8953	9116	8964	1.64	cps
Phosphorus	31-2	583	492	525	533	8.70	cps
Potassium	39-2	18237	17879	17937	18018	1.07	cps
Rhodium	103-1	5343489	5376731	5401914	5374045	0.55	cps
Rhodium	103-2	1938330	1902816	1887984	1909710	1.35	cps
Scandium	45-1	3824888	3754618	3751266	3776924	1.10	cps
Scandium	45-2	46667	46550	46062	46427	0.69	cps
Selenium	77-2	50	20	37	36	42.27	cps
Selenium	78-2	20	28	17	22	26.18	cps
Selenium	82-1	50	181	110	114	57.66	cps
Silicon	28-1	698577	699426	694009	697337	0.42	cps
Silver	109-1	708	583	625	639	9.96	cps
Silver	107-1	683	642	758	694	8.51	cps
Sodium	23-2	22293	22419	21784	22165	1.52	cps
Strontium	86-1	78099	80914	81200	80071	2.14	cps
Strontium	88-1	679755	690231	681692	683893	0.81	cps
Sulfur	34-1	386440	391183	390720	389447	0.67	cps
Terbium	159-1	5829889	5922909	5988649	5913816	1.35	cps
Terbium	159-2	1711373	1696509	1697359	1701747	0.49	cps
Thallium	203-1	300	383	275	319	17.76	cps
Thallium	205-1	733	1000	858	864	15.44	cps
Tin	118-1	1075	1167	1292	1178	9.24	cps
Titanium	47-1	14008	14567	14558	14377	2.23	cps
Uranium	238-1	7019	6744	7469	7077	5.18	cps
Vanadium	51-2	11245	10964	10874	11028	1.75	cps
Yttrium	89-1	6133332	6116739	6087473	6112515	0.38	cps
Yttrium	89-2	293182	285105	283043	287110	1.87	cps
Zinc	66-2	8102	8396	7986	8161	2.59	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-06DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0006-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:33:18	DataFile Name :	061SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	27320	28230	27621	27724	1.67	cps
Zirconium	91-1	6085	5952	5910	5982	1.53	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:36:41	DataFile Name :	062SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	122917	122492	122171	122527	0.31	cps
Antimony	121-1	558	483	617	553	12.09	cps
Arsenic	75-2	720	661	726	702	5.11	cps
Barium	135-1	491275	492974	497269	493839	0.63	cps
Barium	137-1	851616	861048	855319	855994	0.56	cps
Beryllium	9-1	513	490	500	501	2.34	cps
Bismuth	209-1	3175767	3167300	3173890	3172319	0.14	cps
Bismuth	209-2	1154738	1162251	1157242	1158077	0.33	cps
Boron	10-1	292	183	250	242	22.61	cps
Boron	11-1	1175	1425	1250	1283	10.00	cps
Cadmium	111-1	1633	1775	1697	1701	4.18	cps
Cadmium	106-1	1625	1709	1809	1714	5.36	cps
Cadmium	108-1	67	54	117	79	41.77	cps
Calcium	43-1	159469	161682	160296	160482	0.70	cps
Calcium	44-1	2660899	2669007	2668119	2666008	0.17	cps
Chromium	52-2	15809	15656	15742	15736	0.49	cps
Cobalt	59-2	15008	15112	15038	15053	0.35	cps
Copper	63-2	59021	58007	57857	58295	1.09	cps
Dysprosium	156-1	15126	14826	14784	14912	1.25	cps
Dysprosium	156-2	4701	4784	5171	4885	5.14	cps
Erbium	164-1	12356	12899	13633	12963	4.94	cps
Erbium	164-2	3891	3771	3714	3792	2.38	cps
Gadolinium	160-1	14459	14976	14300	14578	2.42	cps
Gadolinium	160-2	5758	5531	6188	5826	5.73	cps
Holmium	165-1	5524634	5545017	5602413	5557355	0.73	cps
Holmium	165-2	1650707	1711119	1724180	1695336	2.31	cps
Indium	115-1	5191227	5162341	5218032	5190534	0.54	cps
Indium	115-2	331408	335585	343476	336823	1.82	cps
Iron	56-2	12536796	12539041	12527557	12534465	0.05	cps
Iron	57-2	317068	313787	315360	315405	0.52	cps
Krypton	83-1	643	767	777	729	10.19	cps
Lead	206-1	139576	140614	140749	140313	0.46	cps
Lead	207-1	116973	119867	119171	118670	1.27	cps
Lead	208-1	544026	553977	551452	549818	0.94	cps
Lithium	6-1	381496	379138	384794	381810	0.74	cps
Magnesium	24-2	120407	117577	118583	118855	1.21	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : J6447-07DLX5 Instrumnet Name : P8
 Client Sample ID : P001-SS025-0612-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-21 20:36:41 DataFile Name : 062SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	197041	194974	197043	196353	0.61	cps
Molybdenum	94-1	11505	11672	12456	11878	4.27	cps
Molybdenum	95-1	2084	2217	2309	2203	5.14	cps
Molybdenum	96-1	4351	4668	4534	4518	3.52	cps
Molybdenum	97-1	1400	1692	1525	1539	9.51	cps
Molybdenum	98-1	3509	3517	3292	3439	3.71	cps
Neodymium	150-1	16511	16945	17158	16871	1.96	cps
Neodymium	150-2	3207	3257	3444	3303	3.78	cps
Nickel	60-2	9483	9550	9597	9543	0.60	cps
Phosphorus	31-2	525	508	575	536	6.47	cps
Potassium	39-2	15718	15017	15309	15348	2.29	cps
Rhodium	103-1	5242232	5257411	5318571	5272738	0.77	cps
Rhodium	103-2	1894535	1927841	1943425	1921934	1.30	cps
Scandium	45-1	3710258	3771112	3866026	3782465	2.08	cps
Scandium	45-2	45400	46400	45597	45799	1.16	cps
Selenium	77-2	40	40	43	41	4.68	cps
Selenium	78-2	28	20	24	24	15.39	cps
Selenium	82-1	107	-74	-8	9	1072.62	cps
Silicon	28-1	1027883	1002102	1014382	1014789	1.27	cps
Silver	109-1	583	592	675	617	8.22	cps
Silver	107-1	692	742	883	772	12.88	cps
Sodium	23-2	27795	26667	26885	27116	2.21	cps
Strontium	86-1	145123	147479	146742	146448	0.82	cps
Strontium	88-1	1234012	1246208	1251408	1243876	0.72	cps
Sulfur	34-1	392676	395916	396633	395075	0.53	cps
Terbium	159-1	5804537	5866976	5899307	5856940	0.82	cps
Terbium	159-2	1677310	1697818	1731606	1702245	1.61	cps
Thallium	203-1	467	417	392	425	8.99	cps
Thallium	205-1	975	992	883	950	6.14	cps
Tin	118-1	1500	1517	1500	1506	0.64	cps
Titanium	47-1	12982	12706	12907	12865	1.11	cps
Uranium	238-1	8345	8203	8395	8314	1.20	cps
Vanadium	51-2	12893	12843	13013	12916	0.68	cps
Yttrium	89-1	6091435	6098502	6202036	6130658	1.01	cps
Yttrium	89-2	287611	286892	290632	288378	0.69	cps
Zinc	66-2	8133	7969	7949	8017	1.26	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	J6447-07DLX5	Instrumnet Name :	P8
Client Sample ID :	P001-SS025-0612-01DL	Dilution Factor :	5
Date & Time Acquired ::	2018-12-21 20:36:41	DataFile Name :	062SMPL_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	28957	29533	30895	29795	3.34	cps
Zirconium	91-1	6869	6160	6293	6441	5.85	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P8
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:40:05	DataFile Name :	063CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	448976	455560	447965	450834	0.91	cps
Antimony	121-1	2967985	3007302	3020928	2998738	0.92	cps
Arsenic	75-2	60372	60993	60294	60553	0.63	cps
Barium	135-1	2933134	3012618	2998603	2981452	1.42	cps
Barium	137-1	5048428	5098277	5116433	5087712	0.69	cps
Beryllium	9-1	317323	321261	323206	320597	0.93	cps
Bismuth	209-1	3162927	3172817	3175592	3170445	0.21	cps
Bismuth	209-2	1212492	1206931	1197845	1205756	0.61	cps
Boron	10-1	42380	43851	43057	43096	1.71	cps
Boron	11-1	217600	221304	224975	221293	1.67	cps
Cadmium	111-1	686741	692963	696101	691935	0.69	cps
Cadmium	106-1	75453	75679	75277	75470	0.27	cps
Cadmium	108-1	49474	50290	49620	49795	0.87	cps
Calcium	43-1	4033342	4146055	4227062	4135486	2.35	cps
Calcium	44-1	65232477	66657787	67438299	66442855	1.68	cps
Chromium	52-2	507194	509262	507363	507940	0.23	cps
Cobalt	59-2	981141	980644	979901	980562	0.06	cps
Copper	63-2	1620654	1625071	1627019	1624248	0.20	cps
Dysprosium	156-1	92	75	58	75	22.22	cps
Dysprosium	156-2	23	23	17	21	18.21	cps
Erbium	164-1	25	25	67	39	61.86	cps
Erbium	164-2	17	3	3	8	99.04	cps
Gadolinium	160-1	92	117	42	83	45.82	cps
Gadolinium	160-2	20	43	20	28	48.49	cps
Holmium	165-1	5819409	5774235	5679500	5757715	1.24	cps
Holmium	165-2	1807730	1814823	1819075	1813876	0.32	cps
Indium	115-1	5249606	5241073	5235528	5242069	0.14	cps
Indium	115-2	348842	348421	348398	348554	0.07	cps
Iron	56-2	86353319	86647927	86378041	86459762	0.19	cps
Iron	57-2	2258993	2232932	2219494	2237140	0.90	cps
Krypton	83-1	797	673	713	728	8.65	cps
Lead	206-1	1369875	1374572	1373679	1372708	0.18	cps
Lead	207-1	1239477	1249486	1241554	1243506	0.42	cps
Lead	208-1	5624583	5670079	5672075	5655579	0.47	cps
Lithium	6-1	412084	415389	420009	415827	0.96	cps
Magnesium	24-2	9318590	9475948	9362758	9385765	0.86	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P8
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:40:05	DataFile Name :	063CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	307935	310957	306617	308503	0.72	cps
Molybdenum	94-1	5646799	5674565	5760841	5694069	1.04	cps
Molybdenum	95-1	6951991	6972543	6963690	6962741	0.15	cps
Molybdenum	96-1	7681996	7807809	7765049	7751618	0.83	cps
Molybdenum	97-1	4291867	4369611	4319579	4327019	0.91	cps
Molybdenum	98-1	10987470	11159677	11002555	11049901	0.86	cps
Neodymium	150-1	260	187	173	207	22.58	cps
Neodymium	150-2	10	17	33	20	60.08	cps
Nickel	60-2	289634	290519	289139	289764	0.24	cps
Phosphorus	31-2	6168	6744	6802	6571	5.33	cps
Potassium	39-2	2791378	2813691	2767550	2790873	0.83	cps
Rhodium	103-1	5175622	5205145	5161372	5180713	0.43	cps
Rhodium	103-2	1911342	1870317	1869488	1883716	1.27	cps
Scandium	45-1	3962742	4025701	4053533	4013992	1.16	cps
Scandium	45-2	49139	49825	48811	49258	1.05	cps
Selenium	77-2	457	403	477	446	8.51	cps
Selenium	78-2	1648	1663	1641	1651	0.69	cps
Selenium	82-1	47126	47372	47079	47192	0.33	cps
Silicon	28-1	1936905	1992923	2039369	1989732	2.58	cps
Silver	109-1	3107116	3175744	3131721	3138193	1.11	cps
Silver	107-1	3323732	3303398	3343660	3323597	0.61	cps
Sodium	23-2	21092165	21312581	20884409	21096385	1.01	cps
Strontium	86-1	866054	866910	877084	870016	0.71	cps
Strontium	88-1	7303777	7459077	7549550	7437468	1.67	cps
Sulfur	34-1	684749	694821	702110	693893	1.26	cps
Terbium	159-1	6037493	6009510	6105436	6050813	0.82	cps
Terbium	159-2	1819515	1837999	1827079	1828198	0.51	cps
Thallium	203-1	1751009	1772615	1741148	1754924	0.92	cps
Thallium	205-1	4202160	4237635	4174587	4204794	0.75	cps
Tin	118-1	2103326	2105970	2110074	2106457	0.16	cps
Titanium	47-1	2097371	2133587	2135837	2122265	1.02	cps
Uranium	238-1	5193725	5214917	5211936	5206859	0.22	cps
Vanadium	51-2	363206	365352	361092	363217	0.59	cps
Yttrium	89-1	6089195	6071178	6123955	6094776	0.44	cps
Yttrium	89-2	294364	293863	292682	293636	0.29	cps
Zinc	66-2	172680	171843	172484	172335	0.25	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCV04	Instrumnet Name :	P8
Client Sample ID :	CCV04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:40:05	DataFile Name :	063CCV_P8122118 MS.I

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4746777	4794128	4785175	4775360	0.53	cps
Zirconium	91-1	1039764	1050201	1057539	1049168	0.85	cps

LB Number : LB100016 Operator : Jaswal
 Lab Sample ID : CCB04 Instrumnet Name : P8
 Client Sample ID : CCB04 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-21 20:43:18 DataFile Name : 064CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	35	30	43	36	17.55	cps
Antimony	121-1	1659	1650	1792	1700	4.68	cps
Arsenic	75-2	7	13	6	9	44.56	cps
Barium	135-1	75	67	42	61	28.38	cps
Barium	137-1	117	125	108	117	7.14	cps
Beryllium	9-1	80	37	50	56	39.95	cps
Bismuth	209-1	3355976	3214743	3268134	3279618	2.17	cps
Bismuth	209-2	1221596	1259779	1247462	1242946	1.57	cps
Boron	10-1	817	742	658	739	10.72	cps
Boron	11-1	3676	3592	3342	3537	4.91	cps
Cadmium	111-1	1116	1161	1107	1128	2.55	cps
Cadmium	106-1	1559	1609	1592	1586	1.61	cps
Cadmium	108-1	0	4	17	7	124.88	cps
Calcium	43-1	423	403	410	412	2.47	cps
Calcium	44-1	57574	57186	57638	57466	0.43	cps
Chromium	52-2	1363	1400	1380	1381	1.33	cps
Cobalt	59-2	60	50	53	54	9.35	cps
Copper	63-2	320	273	300	298	7.86	cps
Dysprosium	156-1	0	25	25	17	86.60	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	33	58	25	39	44.62	cps
Erbium	164-2	0	7	13	7	99.98	cps
Gadolinium	160-1	42	42	67	50	28.87	cps
Gadolinium	160-2	3	3	3	3	0.00	cps
Holmium	165-1	5788411	5500747	5668985	5652714	2.56	cps
Holmium	165-2	1770186	1816283	1777334	1787934	1.39	cps
Indium	115-1	5344060	5161481	5281510	5262351	1.76	cps
Indium	115-2	347313	354632	349614	350520	1.07	cps
Iron	56-2	3378	3317	3123	3273	4.08	cps
Iron	57-2	133	117	89	113	19.88	cps
Krypton	83-1	753	757	697	736	4.58	cps
Lead	206-1	483	422	411	439	8.86	cps
Lead	207-1	467	433	461	454	3.94	cps
Lead	208-1	2083	1945	1861	1963	5.72	cps
Lithium	6-1	436050	426252	434978	432427	1.24	cps
Magnesium	24-2	208	300	317	275	21.21	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P8
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:43:18	DataFile Name :	064CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	53	43	47	48	10.66	cps
Molybdenum	94-1	508	533	550	531	3.95	cps
Molybdenum	95-1	475	550	492	506	7.79	cps
Molybdenum	96-1	592	542	567	567	4.41	cps
Molybdenum	97-1	458	500	383	447	13.22	cps
Molybdenum	98-1	742	633	667	681	8.15	cps
Neodymium	150-1	0	7	0	2	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	60	93	83	79	21.69	cps
Phosphorus	31-2	8	17	0	8	100.02	cps
Potassium	39-2	5985	5977	5760	5907	2.16	cps
Rhodium	103-1	5544800	5181495	5333286	5353193	3.41	cps
Rhodium	103-2	1973942	1978104	1949898	1967314	0.77	cps
Scandium	45-1	3967047	3757286	3829791	3851375	2.77	cps
Scandium	45-2	46524	48470	47095	47363	2.11	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	0	0	2	1	173.21	cps
Selenium	82-1	-168	-130	-139	-145	-13.89	cps
Silicon	28-1	334044	329389	333079	332170	0.74	cps
Silver	109-1	350	342	283	325	11.18	cps
Silver	107-1	233	258	300	264	12.76	cps
Sodium	23-2	21150	19840	19531	20173	4.26	cps
Strontium	86-1	875	908	1058	947	10.31	cps
Strontium	88-1	242	175	142	186	27.36	cps
Sulfur	34-1	441221	439848	443504	441524	0.42	cps
Terbium	159-1	5968989	5761902	5873944	5868278	1.77	cps
Terbium	159-2	1763403	1785545	1760958	1769969	0.77	cps
Thallium	203-1	433	317	383	378	15.49	cps
Thallium	205-1	808	833	700	781	9.08	cps
Tin	118-1	308	583	375	422	33.98	cps
Titanium	47-1	167	108	100	125	29.06	cps
Uranium	238-1	83	42	67	64	32.83	cps
Vanadium	51-2	10	10	23	14	53.28	cps
Yttrium	89-1	6054007	5826066	5928366	5936146	1.92	cps
Yttrium	89-2	283300	287409	283016	284575	0.86	cps
Zinc	66-2	153	137	130	140	8.59	cps

LB Number :	LB100016	Operator :	Jaswal
Lab Sample ID :	CCB04	Instrumnet Name :	P8
Client Sample ID :	CCB04	Dilution Factor :	1
Date & Time Acquired ::	2018-12-21 20:43:18	DataFile Name :	064CCBE_P8122118 MS

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	733	633	717	695	7.72	cps
Zirconium	91-1	167	125	133	142	15.56	cps