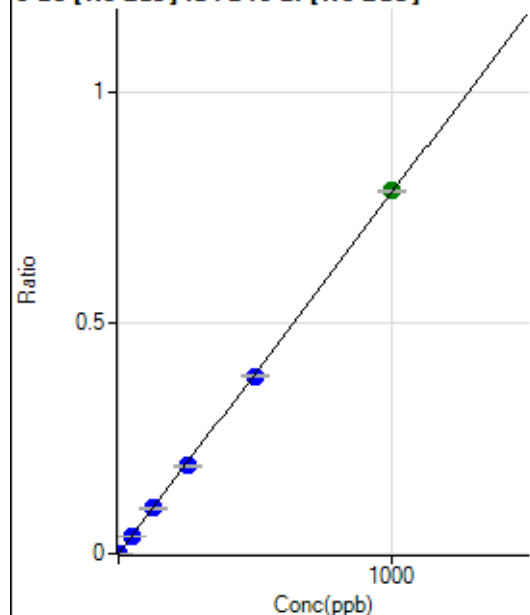


Batch Folder: D:\P8121918MS.b\
Analysis File: P8121918MS.batch.bin
DA Date-Time: 2018-12-19 15:41:40
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2018-12-19 12:08:14
2			
3	006CALS.d	S02	2018-12-19 12:15:40
4	007CALS.d	S03	2018-12-19 12:19:26
5	008CALS.d	S04	2018-12-19 12:23:12
6	009CALS.d	S05	2018-12-19 12:26:51
7	010CALS.d	S06	2018-12-19 12:30:25
8	011CALS.d	S07	2018-12-19 12:33:54
9	013CALS.d	S08	2018-12-19 12:42:12

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	20.00	0.0000	P	43.8
2	☐	0.100					
3	☐	1.000	0.889	1443.43	0.0007	P	4.3
4	☐	50.000	48.867	79435.53	0.0383	P	5.2
5	☐	125.000	125.369	200566.00	0.0981	P	0.4
6	☐	250.000	243.137	396099.34	0.1903	P	2.7
7	☐	500.000	492.300	779996.74	0.3853	P	1.3
8	☐	1000.000	1005.576	1502613.57	0.7870	A	0.6
9	☐			110.00	0.0001	P	29.0

$$y = 7.8265E-004 * x + 9.7734E-006$$

$$R = 0.9999$$

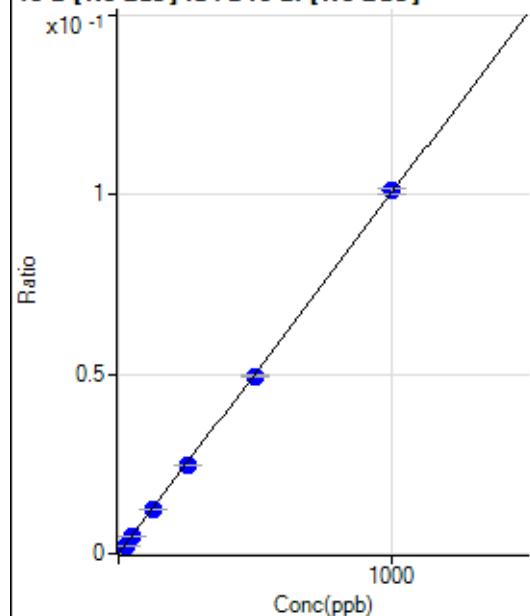
$$DL = 0.01639$$

$$BEC = 0.01249$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	61.11	0.0000	P	32.3
2	☐	2.500					
3	☐	25.000	22.354	4653.74	0.0023	P	6.2
4	☐	50.000	49.097	10312.48	0.0050	P	1.7
5	☐	125.000	124.823	25684.97	0.0126	P	0.3
6	☐	250.000	242.821	50844.07	0.0244	P	0.2
7	☐	500.000	492.547	100201.24	0.0495	P	1.7
8	☐	1000.000	1005.654	192864.95	0.1010	P	1.8
9	☐			2536.44	0.0014	P	8.9

$$y = 1.0044E-004 * x + 2.9987E-005$$

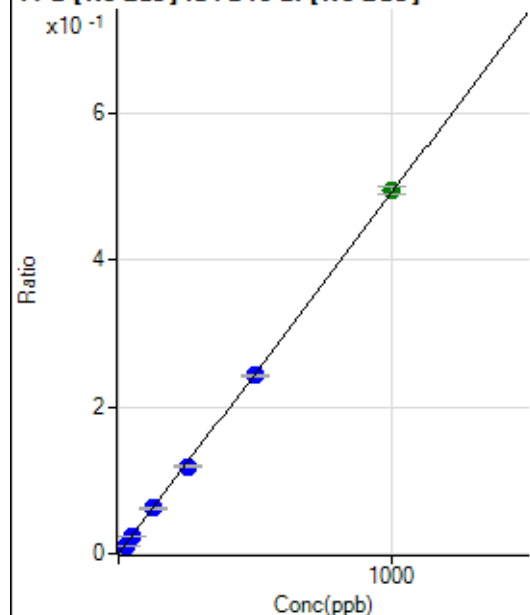
$$R = 0.9999$$

$$DL = 0.289$$

$$BEC = 0.2986$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	413.91	0.0002	P	5.8
2	☐	2.500					
3	☐	25.000	21.585	22117.75	0.0108	P	1.1
4	☐	50.000	47.831	49274.61	0.0237	P	4.7
5	☐	125.000	125.779	126838.20	0.0621	P	1.9
6	☐	250.000	242.073	248307.69	0.1193	P	1.1
7	☐	500.000	493.949	492213.10	0.2432	P	1.6
8	☐	1000.000	1005.104	943957.25	0.4946	A	2.3
9	☐			11899.89	0.0065	P	2.9

$$y = 4.9185\text{E-}004 * x + 2.0274\text{E-}004$$

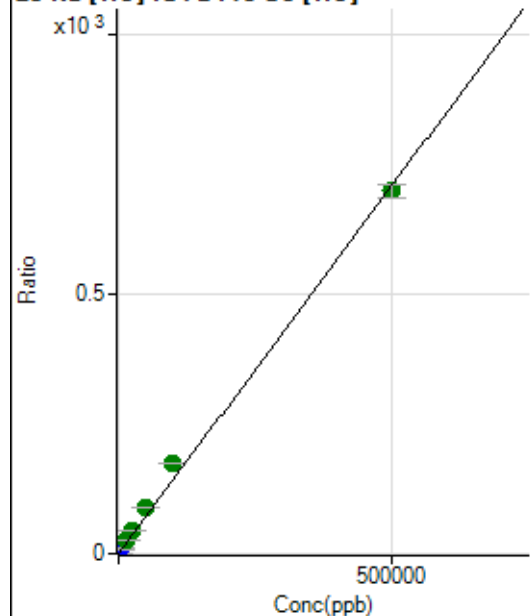
$$R = 0.9999$$

$$DL = 0.07189$$

$$BEC = 0.4122$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	8583.52	0.1516	P	2.4
2	☐	50.000					
3	☐	500.000	563.918	54976.51	0.9488	P	2.2
4	☐	5000.000	6575.745	526223.93	9.4480	P	6.7
5	☐	12500.000	17570.811	1365578.06	24.9922	A	5.6
6	☐	25000.000	31400.530	2621166.55	44.5439	A	5.1
7	☐	50000.000	63376.090	5013134.40	89.7492	A	0.9
8	☐	100000.00	123583.23	10163187.99	174.8667	A	0.8
9	☐	500000.00	493483.12	40994300.57	697.8106	A	4.0

$$y = 0.0014 * x + 0.1516$$

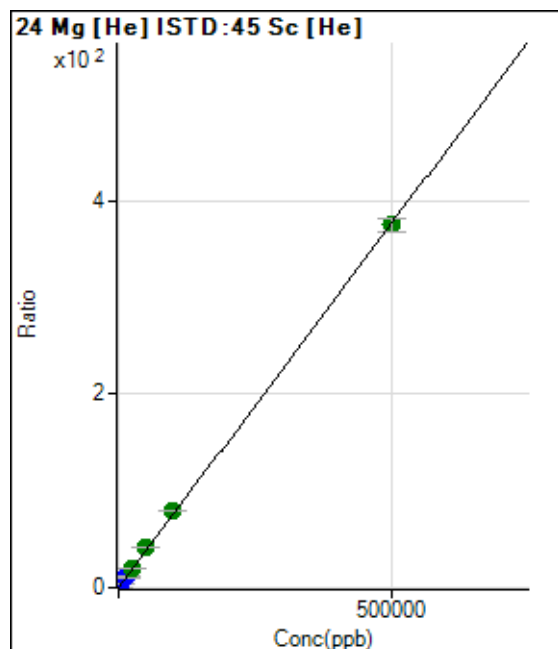
$$R = 0.9986$$

$$DL = 7.635$$

$$BEC = 107.2$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	338.91	0.0060	P	14.9
2	☐	50.000					
3	☐	500.000	486.670	21583.90	0.3724	P	3.0
4	☐	5000.000	5642.621	236954.59	4.2545	P	7.0
5	☐	12500.000	14936.122	614683.91	11.2518	P	6.0
6	☐	25000.000	27157.955	1204077.23	20.4539	A	4.0
7	☐	50000.000	55579.415	2337839.46	41.8531	A	0.3
8	☐	100000.00	105876.85	4633200.71	79.7233	A	0.9
9	☐	500000.00	498091.47	22032994.24	375.0311	A	3.8

$$y = 7.5292\text{E-}004 * x + 0.0060$$

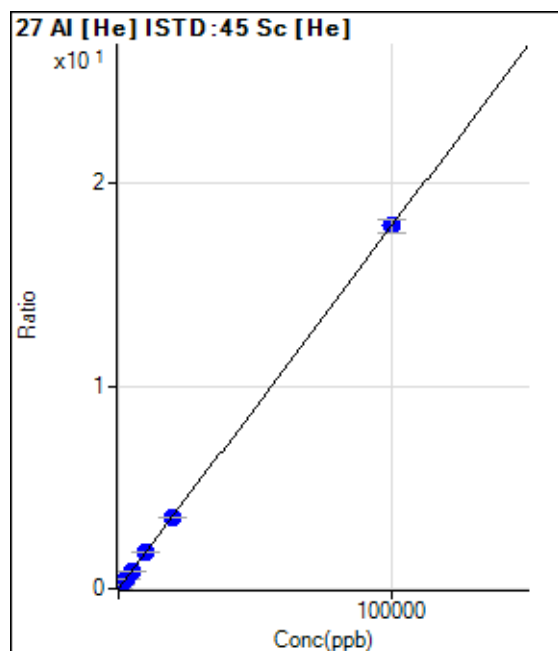
$$R = 0.9999$$

$$DL = 3.573$$

$$BEC = 7.997$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	42.51	0.0008	P	28.2
2	☐	2.000					
3	☐	20.000	16.583	215.89	0.0037	P	7.7
4	☐	1000.000	1016.750	10161.26	0.1824	P	5.9
5	☐	2500.000	2719.836	26578.15	0.4867	P	6.9
6	☐	5000.000	4900.621	51562.43	0.8762	P	5.1
7	☐	10000.000	9993.952	99772.20	1.7862	P	0.2
8	☐	20000.000	19476.533	202263.78	3.4802	P	0.5
9	☐	100000.00	100104.60	1050705.23	17.8843	P	3.8

$$y = 1.7865\text{E-}004 * x + 7.6059\text{E-}004$$

$$R = 1.0000$$

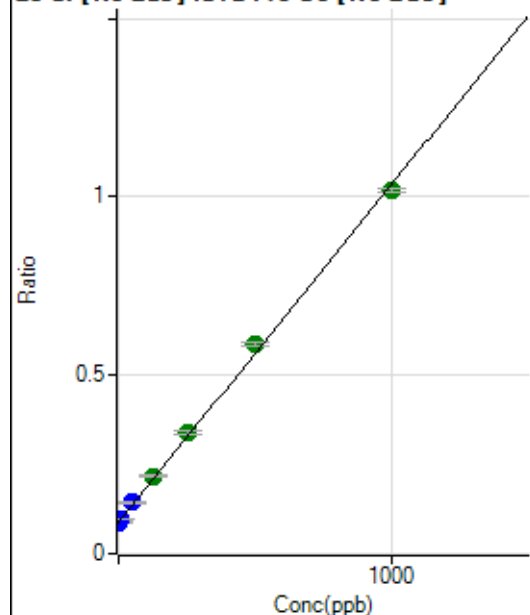
$$DL = 3.599$$

$$BEC = 4.257$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	391354.41	0.0887	P	2.2
2	☐	1.000					
3	☐	10.000	7.987	433505.92	0.0962	P	0.7
4	☐	50.000	57.565	659426.26	0.1431	P	4.4
5	☐	125.000	136.931	1019573.87	0.2181	A	1.5
6	☐	250.000	265.017	1599263.46	0.3392	A	3.3
7	☐	500.000	526.543	2680146.87	0.5865	A	2.3
8	☐	1000.000	981.125	4609795.81	1.0163	A	0.9
9	☐			431615.23	0.0962	P	1.4

$$y = 9.4549\text{E-}004 * x + 0.0887$$

$$R = 0.9993$$

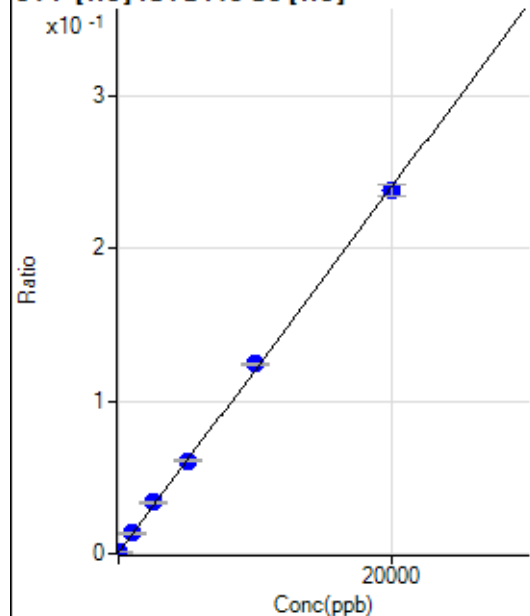
$$DL = 6.117$$

$$BEC = 93.77$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-44.054	8.33	0.0001	P	8.0
2	☐	0.000					
3	☐	0.000	44.054	69.45	0.0012	P	20.4
4	☐	1000.000	1099.865	775.06	0.0138	P	9.1
5	☐	2500.000	2753.963	1839.08	0.0336	P	5.5
6	☐	5000.000	5027.365	3583.96	0.0608	P	1.4
7	☐	10000.000	10324.756	6938.16	0.1242	P	1.5
8	☐	20000.000	19794.042	13801.75	0.2375	P	3.2
9	☐			11.11	0.0002	P	39.9

$$y = 1.1966\text{E-}005 * x + 6.7466\text{E-}004$$

$$R = 0.9997$$

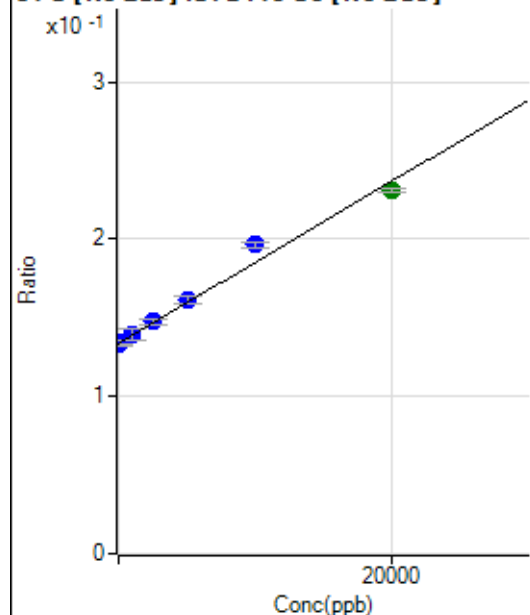
$$DL = 32.26$$

$$BEC = 56.38$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	145.379	593762.97	0.1345	P	2.3
2	☐	0.000					
3	☐	0.000	-145.379	599342.62	0.1330	P	1.1
4	☐	1000.000	1153.720	643777.49	0.1397	P	4.9
5	☐	2500.000	2640.419	688824.48	0.1474	P	1.8
6	☐	5000.000	5402.140	761903.81	0.1616	P	3.3
7	☐	10000.000	12137.408	897234.29	0.1963	P	1.4
8	☐	20000.000	18805.523	1046413.38	0.2307	A	1.1
9	☐			551712.65	0.1230	P	1.5

$$y = 5.1549\text{E-}006 * x + 0.1338$$

$$R = 0.9909$$

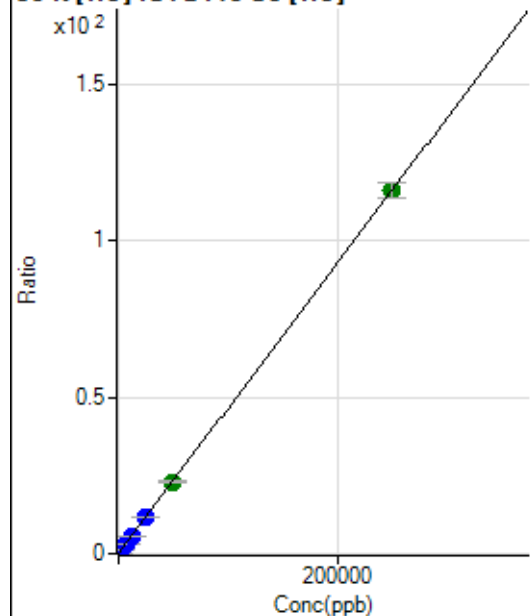
$$DL = 1334$$

$$BEC = 2.595\text{E}+04$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	5056.69	0.0893	P	2.8
2	☐	50.000					
3	☐	500.000	438.422	16955.23	0.2926	P	2.0
4	☐	2500.000	2558.718	71068.71	1.2759	P	6.9
5	☐	6250.000	6767.219	176357.77	3.2275	P	5.5
6	☐	12500.000	12103.301	335545.71	5.7021	P	5.0
7	☐	25000.000	24979.092	652039.12	11.6731	P	0.3
8	☐	50000.000	49443.767	1337753.84	23.0184	A	0.9
9	☐	250000.00	250119.77	6819170.29	116.0799	A	4.1

$$y = 4.6374\text{E-}004 * x + 0.0893$$

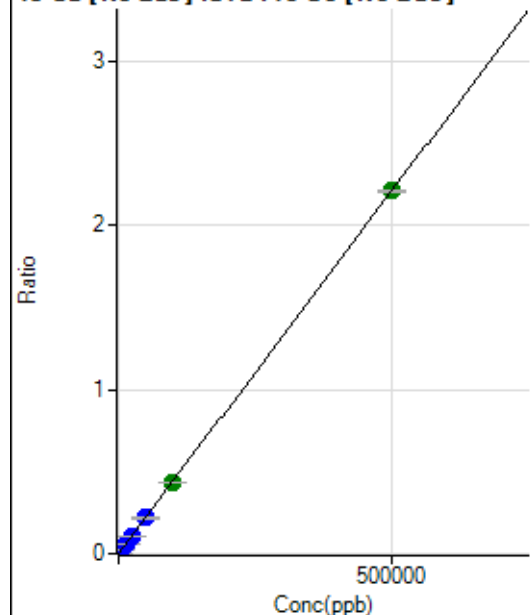
$$R = 1.0000$$

$$DL = 16.39$$

$$BEC = 192.6$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	410.01	0.0001	P	2.7
2	☐	50.000					
3	☐	500.000	431.767	9001.93	0.0020	P	3.7
4	☐	5000.000	4793.422	97874.89	0.0212	P	4.8
5	☐	12500.000	12189.256	251801.15	0.0539	P	0.8
6	☐	25000.000	23953.399	498577.32	0.1058	P	3.6
7	☐	50000.000	49376.181	995864.82	0.2179	P	1.8
8	☐	100000.00	98183.089	1964991.98	0.4332	A	1.4
9	☐	500000.00	500487.99	9907522.21	2.2080	A	0.2

$$y = 4.4115\text{E-}006 * x + 9.2889\text{E-}005$$

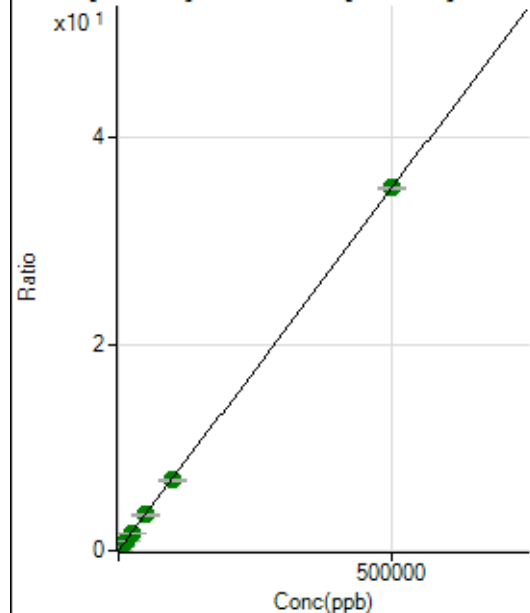
$$R = 1.0000$$

$$DL = 1.731$$

$$BEC = 21.06$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	117160.91	0.0265	P	3.0
2	☐	50.000					
3	☐	500.000	425.568	253975.96	0.0564	P	1.9
4	☐	5000.000	4882.959	1699615.05	0.3687	A	3.7
5	☐	12500.000	12205.223	4122290.01	0.8818	A	0.4
6	☐	25000.000	23842.768	8000663.08	1.6973	A	3.8
7	☐	50000.000	49032.284	15824216.71	3.4624	A	1.5
8	☐	100000.00	96684.079	30851609.26	6.8015	A	0.6
9	☐	500000.00	500826.43	157588837.6	35.1211	A	0.5

$$y = 7.0073\text{E-}005 * x + 0.0265$$

$$R = 1.0000$$

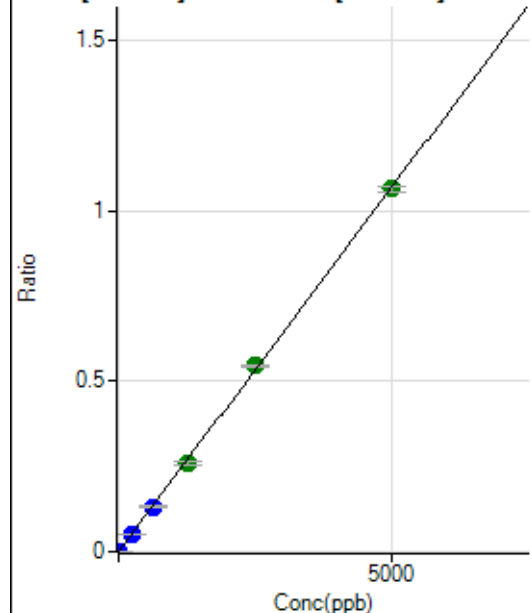
$$DL = 33.77$$

$$BEC = 378.8$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.01	0.0000	P	13.6
2	☐	0.500					
3	☐	5.000	4.680	4684.34	0.0010	P	5.1
4	☐	250.000	241.519	238005.30	0.0516	P	4.5
5	☐	625.000	618.213	617641.09	0.1321	P	1.3
6	☐	1250.000	1220.839	1229845.23	0.2609	A	3.8
7	☐	2500.000	2552.774	2493026.84	0.5455	A	1.2
8	☐	5000.000	4982.176	4828429.62	1.0646	A	1.6
9	☐			1269.57	0.0003	P	3.8

$$y = 2.1367\text{E-}004 * x + 3.9677\text{E-}005$$

$$R = 0.9999$$

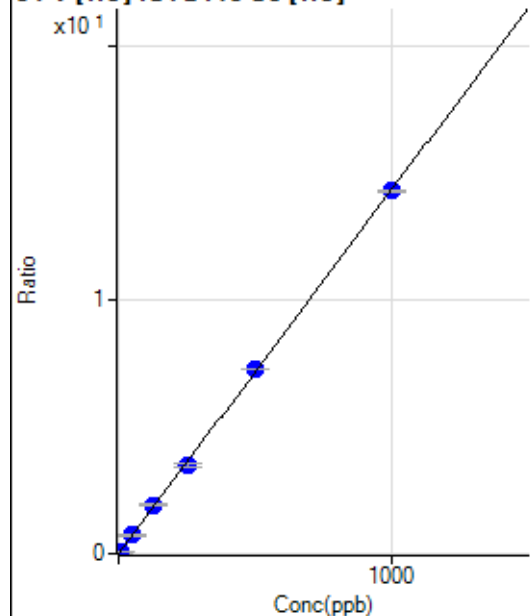
$$DL = 0.07573$$

$$BEC = 0.1857$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	13.33	0.0002	P	47.6
2	☐	0.500					
3	☐	5.000	4.596	3836.15	0.0662	P	5.4
4	☐	50.000	50.569	40440.67	0.7259	P	6.3
5	☐	125.000	134.742	105623.27	1.9338	P	6.5
6	☐	250.000	244.275	206311.52	3.5056	P	4.7
7	☐	500.000	506.140	405717.87	7.2634	P	0.4
8	☐	1000.000	997.117	831594.38	14.3090	P	0.9
9	☐			113.34	0.0019	P	17.4

$$y = 0.0144 * x + 2.3208\text{E-}004$$

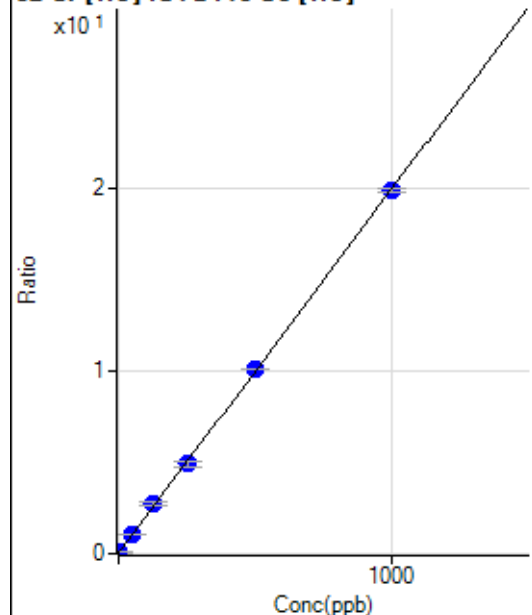
$$R = 0.9999$$

$$DL = 0.0231$$

$$BEC = 0.01617$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1262.30	0.0223	P	4.9
2	☐	0.200					
3	☐	2.000	1.687	3234.87	0.0559	P	7.8
4	☐	50.000	51.491	58308.86	1.0466	P	6.4
5	☐	125.000	136.631	149637.68	2.7402	P	7.0
6	☐	250.000	245.520	288690.93	4.9063	P	5.3
7	☐	500.000	507.725	565413.22	10.1222	P	0.1
8	☐	1000.000	995.730	1152456.68	19.8298	P	1.0
9	☐			16878.19	0.2873	P	4.3

$$y = 0.0199 * x + 0.0223$$

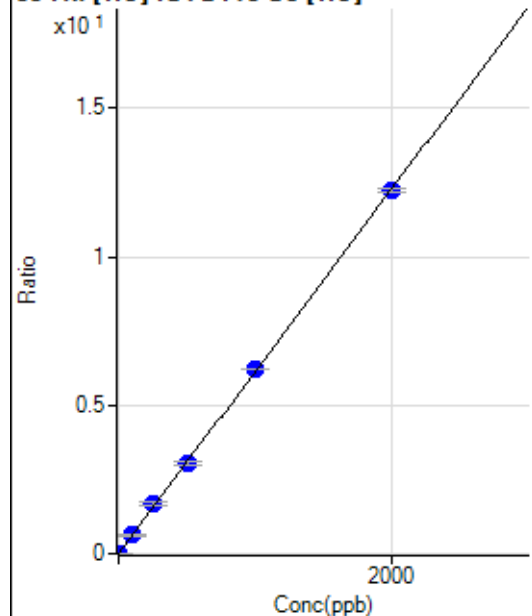
$$R = 0.9999$$

$$DL = 0.1648$$

$$BEC = 1.122$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	76.67	0.0013	P	9.8
2	☐	0.100					
3	☐	1.000	0.926	406.68	0.0070	P	10.5
4	☐	100.000	103.908	35562.15	0.6387	P	8.0
5	☐	250.000	272.179	91291.42	1.6709	P	5.9
6	☐	500.000	493.243	178121.55	3.0269	P	5.0
7	☐	1000.000	1015.047	347866.27	6.2276	P	0.1
8	☐	2000.000	1991.198	709894.33	12.2153	P	1.2
9	☐			3633.88	0.0618	P	3.2

$$y = 0.0061 * x + 0.0013$$

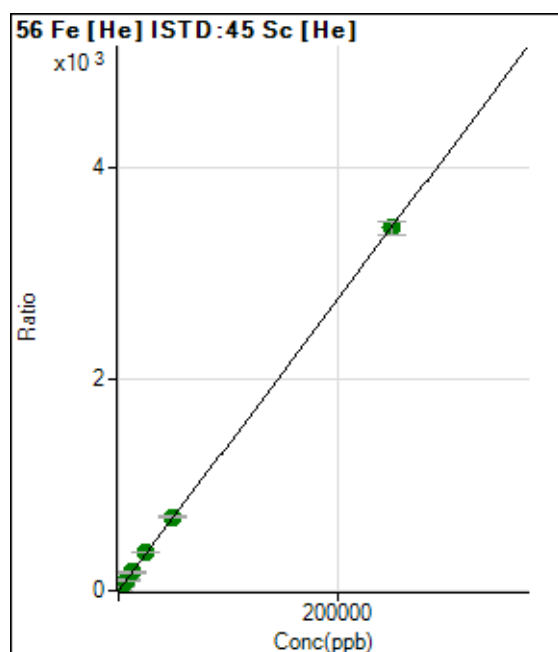
$$R = 0.9999$$

$$DL = 0.06445$$

$$BEC = 0.22$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3133.78	0.0555	P	6.9
2	☐	5.000					
3	☐	50.000	48.590	41909.70	0.7234	P	3.0
4	☐	2500.000	2691.195	2063047.70	37.0497	A	7.4
5	☐	6250.000	7091.601	5329333.91	97.5394	A	5.7
6	☐	12500.000	12596.945	10192867.59	173.2181	A	5.1
7	☐	25000.000	26102.354	20046017.58	358.8689	A	0.7
8	☐	50000.000	50705.342	40510029.61	697.0714	A	1.2
9	☐	250000.00	249720.89	201696484.1	3,432.818	A	3.4

$$y = 0.0137 * x + 0.0555$$

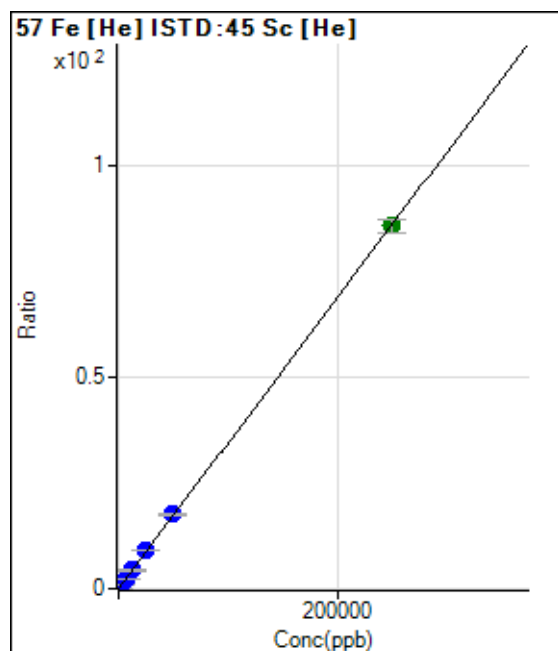
$$R = 1.0000$$

$$DL = 0.8374$$

$$BEC = 4.035$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	85.19	0.0015	P	47.0
2	☐	5.000					
3	☐	50.000	51.957	1120.45	0.0194	P	13.4
4	☐	2500.000	2668.926	51140.79	0.9184	P	7.3
5	☐	6250.000	7036.068	132187.81	2.4187	P	5.1
6	☐	12500.000	12618.104	255202.18	4.3363	P	4.7
7	☐	25000.000	26169.944	502284.00	8.9919	P	0.5
8	☐	50000.000	50964.827	1017598.62	17.5099	P	1.3
9	☐	250000.00	249662.79	5038657.40	85.7704	A	4.0

$$y = 3.4354E-004 * x + 0.0015$$

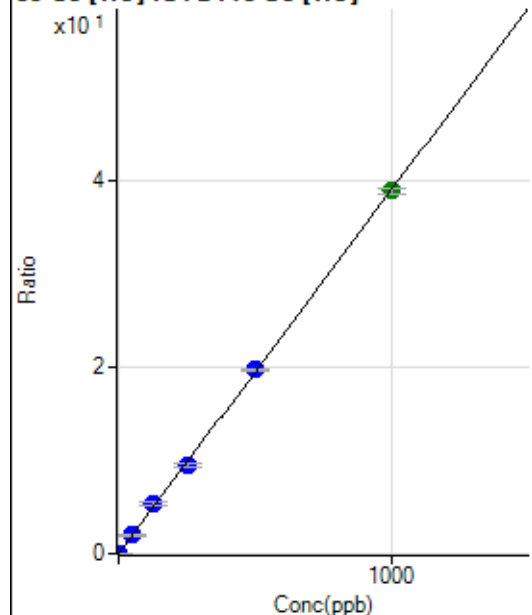
$$R = 1.0000$$

$$DL = 6.259$$

$$BEC = 4.436$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	116.67	0.0021	P	11.7
2	☐	0.100					
3	☐	1.000	0.868	2077.97	0.0359	P	7.0
4	☐	50.000	51.248	111354.74	1.9993	P	7.5
5	☐	125.000	136.481	290735.90	5.3209	P	5.6
6	☐	250.000	243.777	559195.78	9.5024	P	4.9
7	☐	500.000	505.596	1100760.65	19.7058	P	0.6
8	☐	1000.000	997.260	2258685.42	38.8667	A	1.5
9	☐			26797.10	0.4560	P	2.6

$$y = 0.0390 * x + 0.0021$$

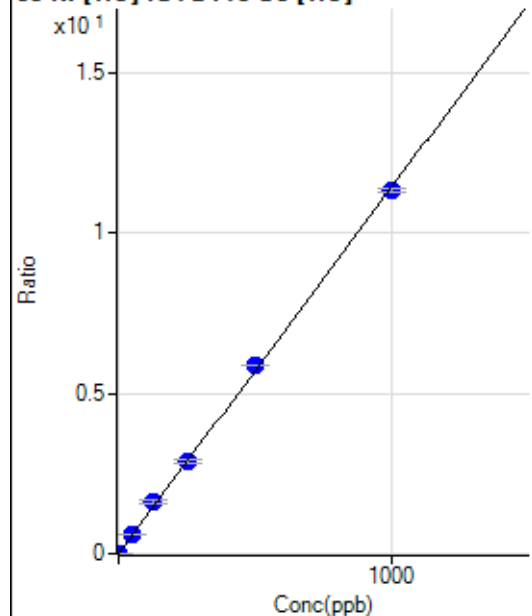
$$R = 0.9999$$

$$DL = 0.01849$$

$$BEC = 0.05268$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	64.45	0.0011	P	12.3
2	☐	0.100					
3	☐	1.000	1.030	746.70	0.0129	P	10.5
4	☐	50.000	52.749	33607.47	0.6033	P	6.1
5	☐	125.000	140.408	87592.45	1.6039	P	6.9
6	☐	250.000	251.253	168896.86	2.8692	P	4.0
7	☐	500.000	514.474	328109.46	5.8740	P	0.1
8	☐	1000.000	990.386	657092.96	11.3066	P	1.0
9	☐			11447.08	0.1949	P	5.9

$$y = 0.0114 * x + 0.0011$$

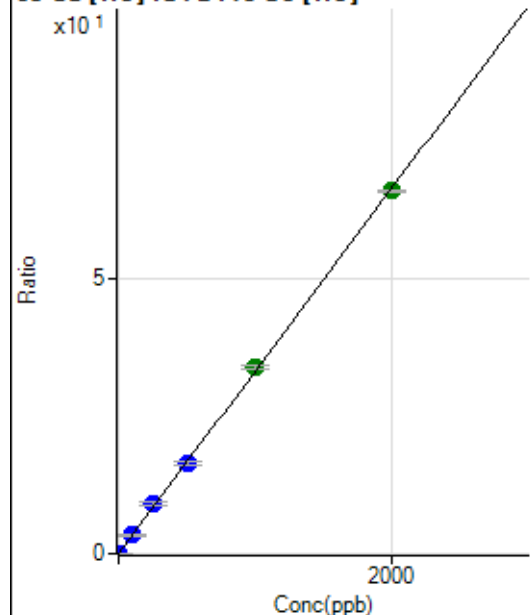
$$R = 0.9997$$

$$DL = 0.03656$$

$$BEC = 0.09942$$

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	218.90	0.0039	P	21.7
2	☐	0.200					
3	☐	2.000	1.838	3759.47	0.0649	P	2.4
4	☐	100.000	103.334	191175.02	3.4327	P	7.1
5	☐	250.000	273.459	495861.76	9.0777	P	6.3
6	☐	500.000	491.942	960753.15	16.3272	P	5.1
7	☐	1000.000	1022.548	1895391.64	33.9335	A	1.3
8	☐	2000.000	1987.641	3833190.57	65.9567	A	0.8
9	☐			4990.98	0.0849	P	3.5

$$y = 0.0332 * x + 0.0039$$

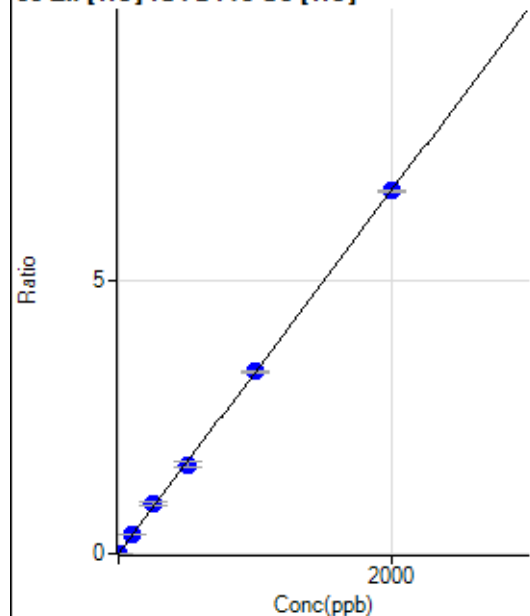
$$R = 0.9998$$

$$DL = 0.07641$$

$$BEC = 0.1176$$

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	166.67	0.0029	P	8.0
2	☐	0.200					
3	☐	2.000	1.704	497.80	0.0086	P	13.7
4	☐	100.000	103.896	19392.63	0.3480	P	5.7
5	☐	250.000	273.113	49725.71	0.9101	P	5.8
6	☐	500.000	490.918	96120.24	1.6335	P	5.3
7	☐	1000.000	1002.086	186087.48	3.3313	P	0.6
8	☐	2000.000	1998.144	385879.09	6.6397	P	0.8
9	☐			3044.84	0.0518	P	5.5

$$y = 0.0033 * x + 0.0029$$

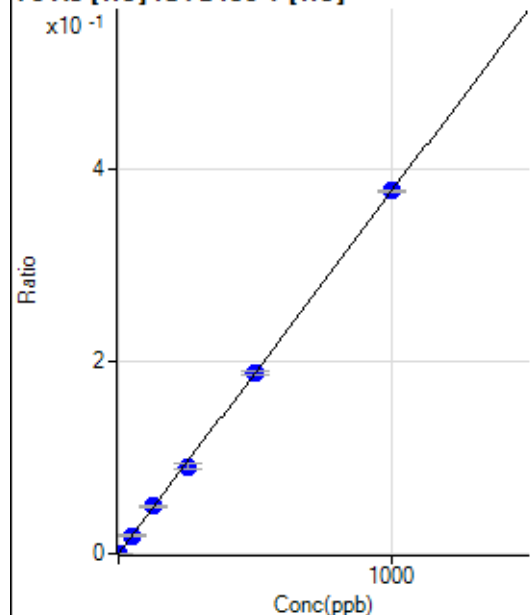
$$R = 0.9999$$

$$DL = 0.212$$

$$BEC = 0.8856$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3.09	0.0000	P	63.8
2	☐	0.100					
3	☐	1.000	0.818	107.41	0.0003	P	12.7
4	☐	50.000	49.139	6048.30	0.0185	P	7.3
5	☐	125.000	132.386	16107.03	0.0498	P	4.1
6	☐	250.000	241.326	31469.75	0.0907	P	5.0
7	☐	500.000	499.687	62357.77	0.1878	P	1.9
8	☐	1000.000	1001.445	127250.04	0.3765	P	0.8
9	☐			187.04	0.0005	P	2.9

$$y = 3.7591\text{E-}004 * x + 9.0967\text{E-}006$$

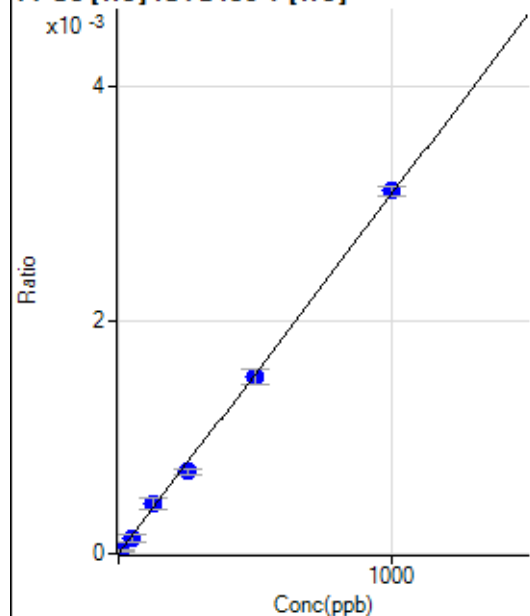
$$R = 0.9999$$

$$DL = 0.0463$$

$$BEC = 0.0242$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	0.500					
3	☐	5.000	6.418	6.67	0.0000	P	51.2
4	☐	50.000	41.460	42.22	0.0001	P	48.4
5	☐	125.000	138.621	137.78	0.0004	P	23.7
6	☐	250.000	227.521	243.34	0.0007	P	6.1
7	☐	500.000	490.866	502.24	0.0015	P	8.8
8	☐	1000.000	1008.904	1051.17	0.0031	P	3.0
9	☐			1.11	0.0000	P	173.2

$$y = 3.0824\text{E-}006 * x + 0.0000\text{E+}000$$

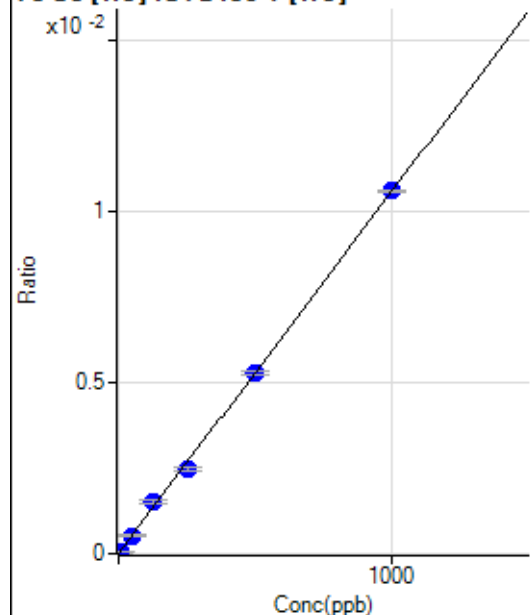
$$R = 0.9995$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2.47	0.0000	P	119.7
2	☐	0.500					
3	☐	5.000	4.272	17.90	0.0001	P	27.6
4	☐	50.000	48.918	171.61	0.0005	P	11.2
5	☐	125.000	144.369	496.31	0.0015	P	6.0
6	☐	250.000	233.680	860.53	0.0025	P	2.6
7	☐	500.000	497.624	1749.51	0.0053	P	2.2
8	☐	1000.000	1002.904	3587.54	0.0106	P	0.4
9	☐			3.70	0.0000	P	3.4

$$y = 1.0575\text{E-}005 * x + 7.7977\text{E-}006$$

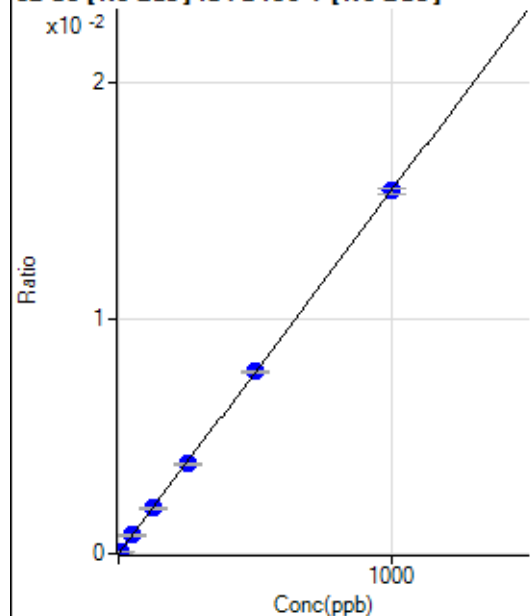
$$R = 0.9996$$

$$DL = 2.648$$

$$BEC = 0.7374$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	-68.69	0.0000	P	-131.
2	☐	0.500					
3	☐	5.000	3.994	298.37	0.0001	P	14.2
4	☐	50.000	50.596	4704.23	0.0008	P	6.9
5	☐	125.000	124.835	11984.86	0.0019	P	0.9
6	☐	250.000	246.391	23993.62	0.0038	P	3.6
7	☐	500.000	502.516	48226.01	0.0077	P	0.9
8	☐	1000.000	999.640	95491.22	0.0154	P	1.6
9	☐			-34.78	0.0000	P	-68.0

$$y = 1.5444\text{E-}005 * x - 1.1649\text{E-}005$$

$$R = 1.0000$$

$$DL = 2.977$$

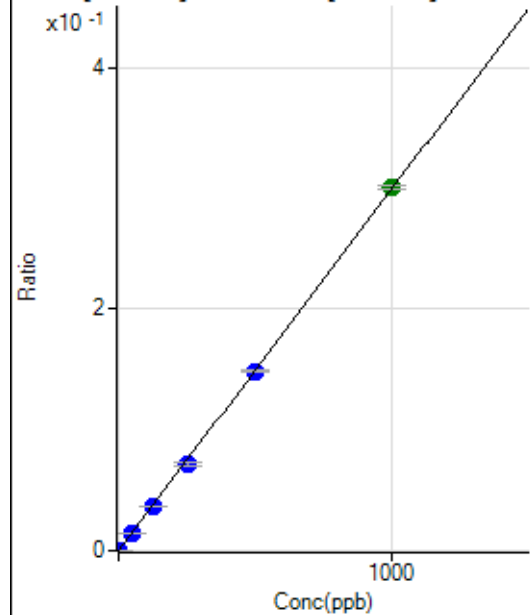
$$BEC = -0.7543$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			596.69		P	8.8
2	☐						
3	☐			655.58		P	8.5
4	☐			573.36		P	5.2
5	☐			593.36		P	6.2
6	☐			615.58		P	11.1
7	☐			617.80		P	4.0
8	☐			675.59		P	4.1
9	☐			672.25		P	2.1

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	888.96	0.0001	P	6.1
2	☐	0.100					
3	☐	1.000	0.856	2422.54	0.0004	P	2.2
4	☐	50.000	47.840	88335.48	0.0144	P	3.9
5	☐	125.000	122.566	229934.15	0.0368	P	1.3
6	☐	250.000	239.408	453350.77	0.0717	P	3.1
7	☐	500.000	496.861	924720.58	0.1486	P	0.7
8	☐	1000.000	1004.630	1858820.83	0.3003	A	1.2
9	☐			8633.69	0.0014	P	0.6

$$y = 2.9874E-004 * x + 1.4987E-004$$

$$R = 0.9999$$

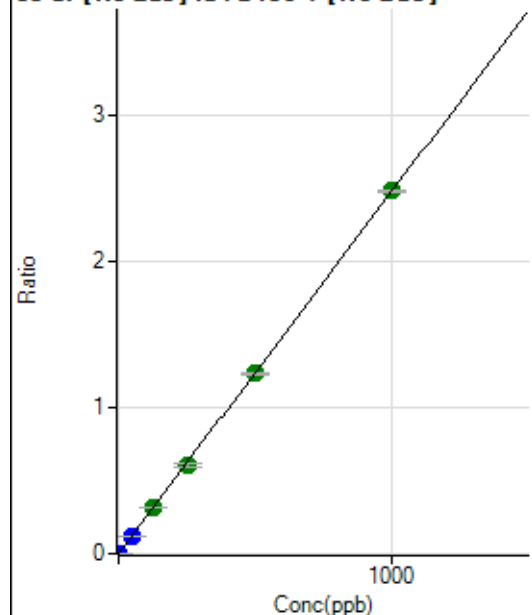
$$DL = 0.09128$$

$$BEC = 0.5017$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	133.34	0.0000	P	22.8
2	☐	0.100					
3	☐	1.000	0.881	13159.64	0.0022	P	2.3
4	☐	50.000	48.986	741996.27	0.1213	P	3.9
5	☐	125.000	126.359	1956758.25	0.3129	A	1.4
6	☐	250.000	243.693	3816678.47	0.6034	A	3.2
7	☐	500.000	497.980	7673610.24	1.2330	A	1.2
8	☐	1000.000	1002.468	15365250.86	2.4821	A	0.7
9	☐			66023.80	0.0109	P	0.6

$$y = 0.0025 * x + 2.2487E-005$$

$$R = 1.0000$$

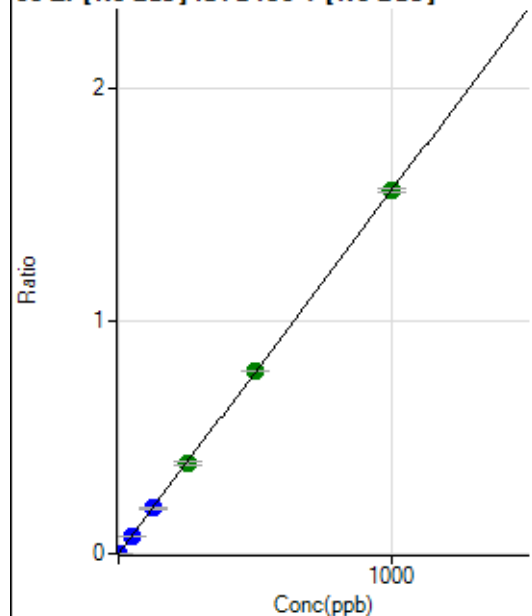
$$DL = 0.006203$$

$$BEC = 0.009082$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	422.25	0.0001	P	15.3
2	☐	0.100					
3	☐	1.000	0.846	8294.56	0.0014	P	3.6
4	☐	50.000	48.838	465717.46	0.0761	P	3.9
5	☐	125.000	124.772	1215879.05	0.1944	P	0.7
6	☐	250.000	247.496	2438457.17	0.3855	A	3.9
7	☐	500.000	503.066	4876885.83	0.7836	A	0.8
8	☐	1000.000	999.180	9634230.68	1.5563	A	1.2
9	☐			3464.50	0.0006	P	4.5

$$y = 0.0016 * x + 7.1111E-005$$

$$R = 1.0000$$

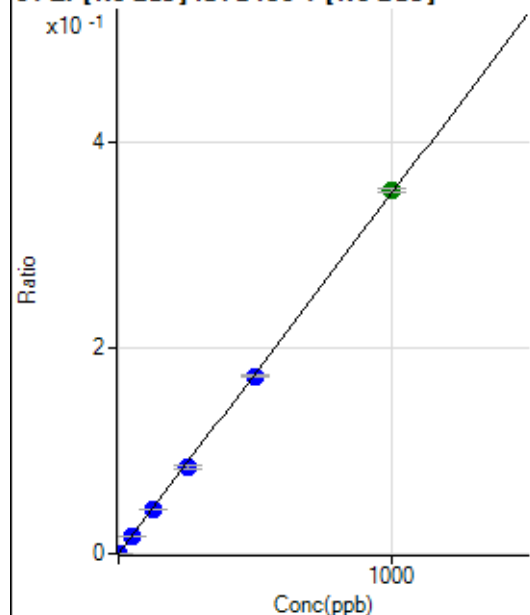
$$DL = 0.02093$$

$$BEC = 0.04566$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.34	0.0000	P	36.7
2	☐	0.100					
3	☐	1.000	0.872	1908.55	0.0003	P	3.7
4	☐	50.000	47.847	102582.66	0.0168	P	5.0
5	☐	125.000	121.392	266068.54	0.0425	P	0.5
6	☐	250.000	239.394	530500.64	0.0839	P	3.9
7	☐	500.000	492.609	1074117.89	0.1726	P	0.9
8	☐	1000.000	1006.906	2183864.72	0.3528	A	1.0
9	☐			716.72	0.0001	P	3.8

$$y = 3.5032\text{E-}004 * x + 1.4082\text{E-}005$$

$$R = 0.9999$$

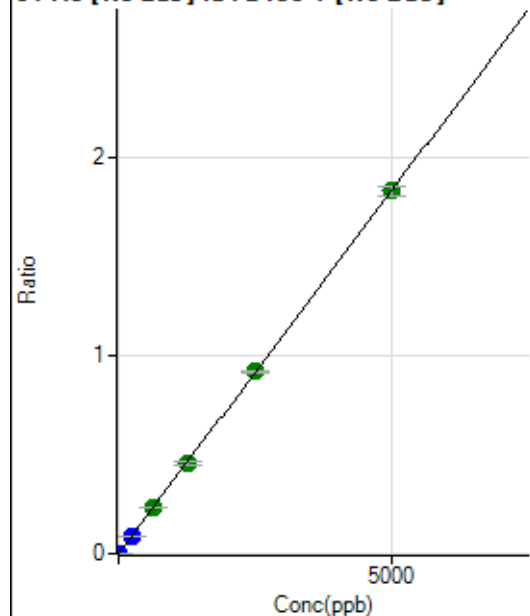
$$DL = 0.04421$$

$$BEC = 0.0402$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	169.46	0.0000	P	11.1
2	☐	0.500					
3	☐	5.000	4.573	10148.72	0.0017	P	6.6
4	☐	250.000	245.447	548951.86	0.0898	P	4.2
5	☐	625.000	631.781	1444713.93	0.2310	A	0.2
6	☐	1250.000	1236.110	2858074.04	0.4519	A	4.0
7	☐	2500.000	2505.697	5700797.74	0.9160	A	1.3
8	☐	5000.000	5000.005	11313694.35	1.8279	A	2.3
9	☐			6093.32	0.0010	P	2.3

$$y = 3.6556\text{E-}004 * x + 2.8591\text{E-}005$$

$$R = 1.0000$$

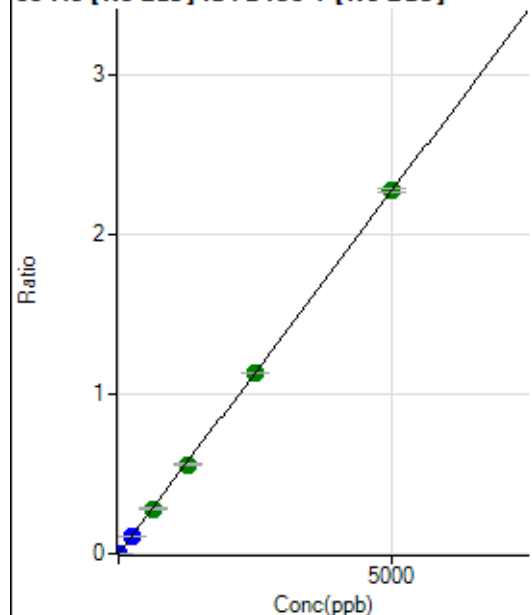
$$DL = 0.02606$$

$$BEC = 0.07821$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	22.22	0.0000	P	78.8
2	☐	0.500					
3	☐	5.000	4.657	12631.46	0.0021	P	8.2
4	☐	250.000	241.002	668257.52	0.1093	P	4.1
5	☐	625.000	621.693	1762664.88	0.2818	A	0.9
6	☐	1250.000	1232.198	3533102.90	0.5586	A	3.5
7	☐	2500.000	2499.650	7052406.84	1.1332	A	0.2
8	☐	5000.000	5005.489	14047153.96	2.2691	A	1.0
9	☐			7755.35	0.0013	P	3.0

$$y = 4.5333\text{E-}004 * x + 3.7665\text{E-}006$$

$$R = 1.0000$$

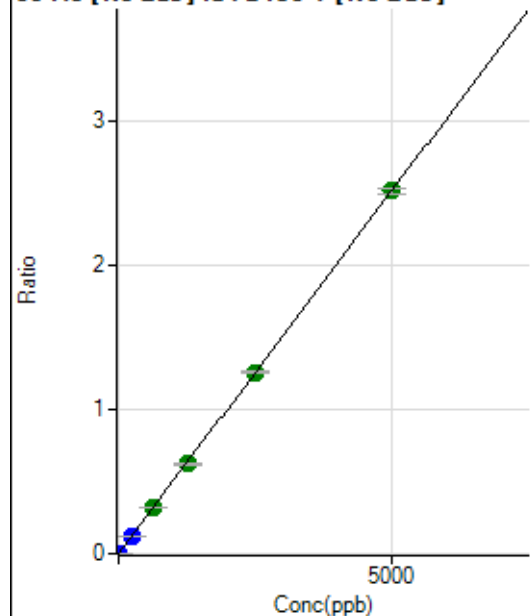
$$DL = 0.01965$$

$$BEC = 0.008309$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	63.89	0.0000	P	26.0
2	☐	0.500					
3	☐	5.000	4.622	13918.89	0.0023	P	4.5
4	☐	250.000	243.309	747034.39	0.1221	P	4.2
5	☐	625.000	631.346	1982073.07	0.3169	A	0.9
6	☐	1250.000	1234.721	3919846.57	0.6198	A	3.9
7	☐	2500.000	2498.749	7806044.79	1.2543	A	1.1
8	☐	5000.000	5003.987	15548746.88	2.5118	A	1.3
9	☐			10026.33	0.0017	P	1.8

$$y = 5.0195\text{E-}004 * x + 1.0752\text{E-}005$$

$$R = 1.0000$$

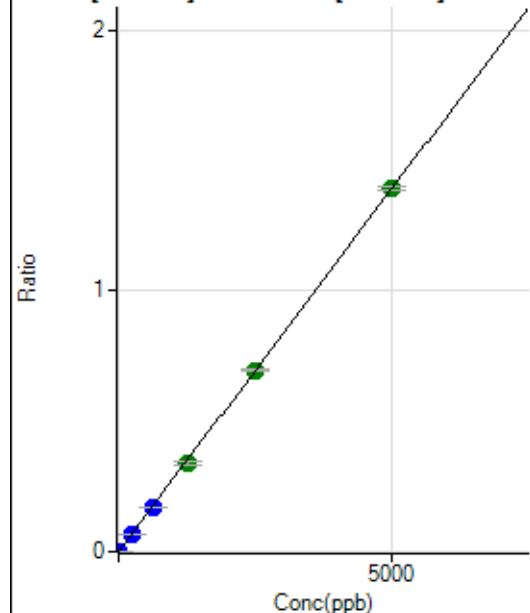
$$DL = 0.0167$$

$$BEC = 0.02142$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	97.23	0.0000	P	31.1
2	☐	0.500					
3	☐	5.000	4.636	7799.82	0.0013	P	3.9
4	☐	250.000	243.541	414449.82	0.0678	P	3.7
5	☐	625.000	620.045	1078655.99	0.1725	P	0.9
6	☐	1250.000	1228.292	2160649.72	0.3416	A	4.0
7	☐	2500.000	2505.105	4336356.08	0.6967	A	0.8
8	☐	5000.000	5003.817	8614818.25	1.3917	A	1.2
9	☐			4956.69	0.0008	P	3.1

$$y = 2.7812\text{E-}004 * x + 1.6431\text{E-}005$$

$$R = 1.0000$$

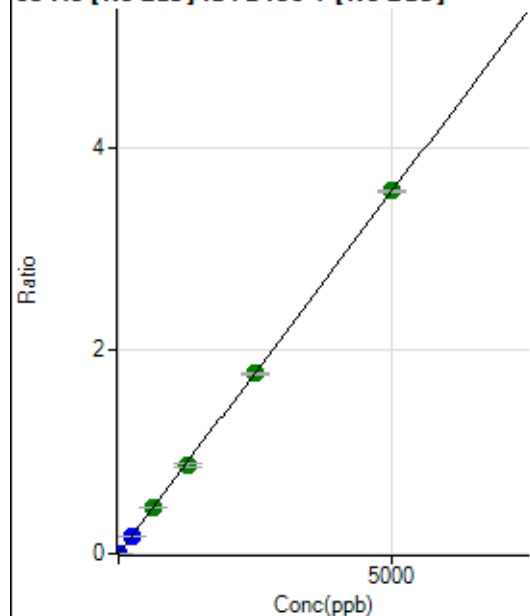
$$DL = 0.05507$$

$$BEC = 0.05908$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	30.56	0.0000	P	57.0
2	☐	0.500					
3	☐	5.000	4.602	19606.75	0.0033	P	2.6
4	☐	250.000	242.544	1056578.89	0.1728	P	4.2
5	☐	625.000	628.498	2799779.38	0.4476	A	0.5
6	☐	1250.000	1220.508	5497956.46	0.8693	A	3.8
7	☐	2500.000	2489.336	11034495.21	1.7730	A	0.5
8	☐	5000.000	5012.641	22101675.67	3.5701	A	0.7
9	☐			12308.88	0.0020	P	2.4

$$y = 7.1223\text{E-}004 * x + 5.1612\text{E-}006$$

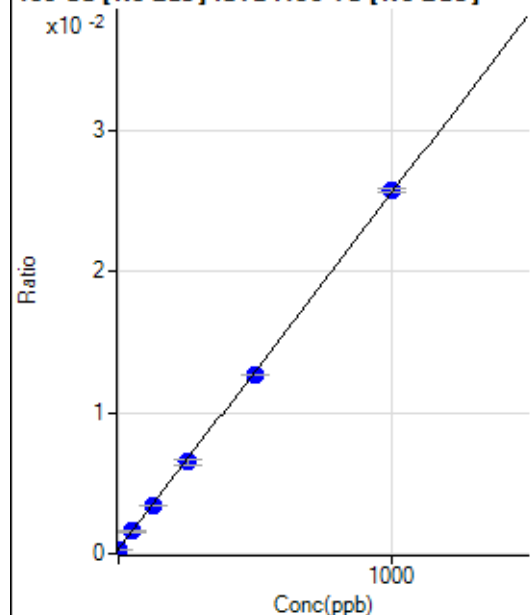
$$R = 1.0000$$

$$DL = 0.0124$$

$$BEC = 0.007247$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1769.64	0.0003	P	5.8
2	☐	0.100					
3	☐	1.000	0.195	1797.43	0.0003	P	5.3
4	☐	50.000	49.838	8953.38	0.0016	P	6.7
5	☐	125.000	123.819	19904.48	0.0035	P	0.6
6	☐	250.000	244.497	38637.24	0.0065	P	5.4
7	☐	500.000	490.832	75207.34	0.0127	P	0.2
8	☐	1000.000	1006.116	149518.49	0.0257	P	1.0
9	☐			1750.20	0.0003	P	6.3

$$y = 2.5261\text{E-}005 * x + 3.2366\text{E-}004$$

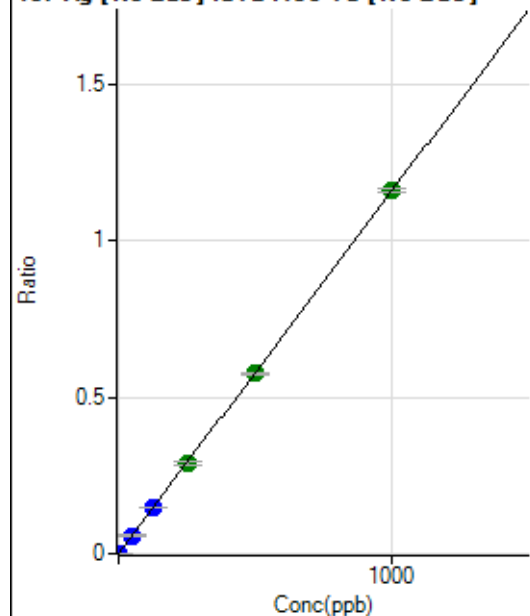
$$R = 0.9999$$

$$DL = 2.234$$

$$BEC = 12.81$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	88.89	0.0000	P	13.6
2	☐	0.100					
3	☐	1.000	0.913	5862.69	0.0011	P	4.9
4	☐	50.000	49.740	325776.33	0.0575	P	4.5
5	☐	125.000	127.045	847303.03	0.1470	P	1.8
6	☐	250.000	248.276	1707160.61	0.2872	A	5.2
7	☐	500.000	497.607	3402187.01	0.5756	A	1.1
8	☐	1000.000	1001.385	6728130.49	1.1583	A	1.2
9	☐			458.37	0.0001	P	25.3

$$y = 0.0012 * x + 1.6239\text{E-}005$$

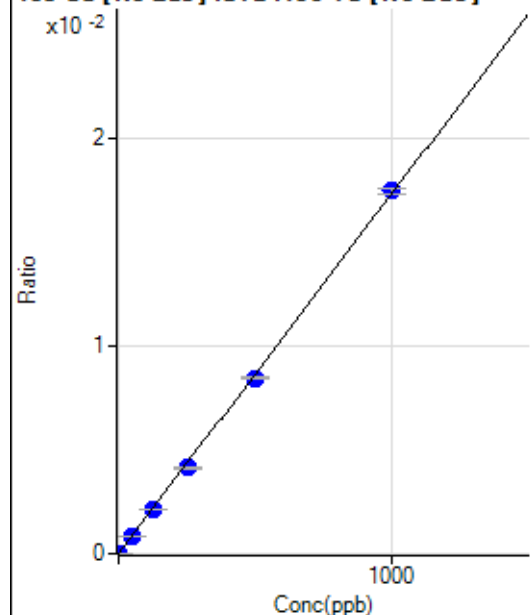
$$R = 1.0000$$

$$DL = 0.005726$$

$$BEC = 0.01404$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5.56	0.0000	P	173.2
2	☐	0.100					
3	☐	1.000	0.981	98.61	0.0000	P	22.4
4	☐	50.000	47.146	4631.45	0.0008	P	6.6
5	☐	125.000	122.955	12297.51	0.0021	P	2.3
6	☐	250.000	238.272	24572.82	0.0041	P	3.8
7	☐	500.000	489.111	50133.53	0.0085	P	1.9
8	☐	1000.000	1008.775	101609.66	0.0175	P	1.5
9	☐			30.56	0.0000	P	83.3

$$y = 1.7339\text{E-}005 * x + 1.0328\text{E-}006$$

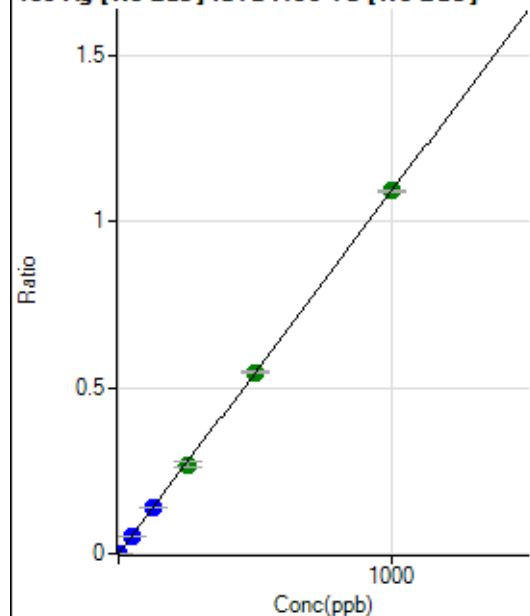
$$R = 0.9998$$

$$DL = 0.3095$$

$$BEC = 0.05957$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	33.34	0.0000	P	44.4
2	☐	0.100					
3	☐	1.000	0.954	5734.80	0.0010	P	2.4
4	☐	50.000	48.887	302482.87	0.0534	P	4.2
5	☐	125.000	125.732	792214.87	0.1374	P	1.7
6	☐	250.000	246.262	1599855.79	0.2691	A	4.9
7	☐	500.000	500.537	3233071.32	0.5470	A	1.7
8	☐	1000.000	1000.630	6352074.88	1.0935	A	0.9
9	☐			394.47	0.0001	P	13.5

$$y = 0.0011 * x + 6.1256\text{E-}006$$

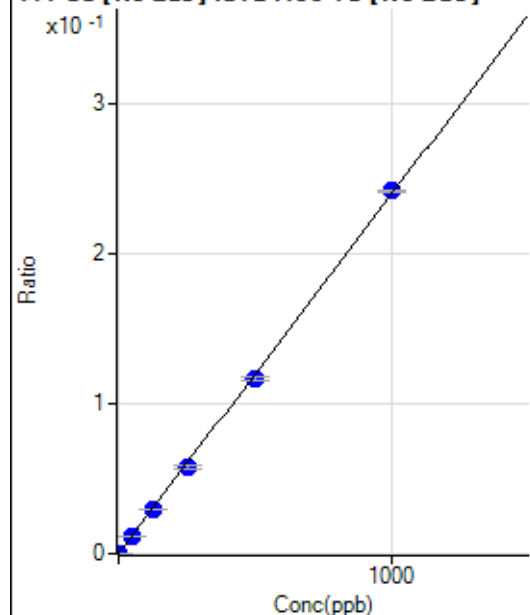
$$R = 1.0000$$

$$DL = 0.00746$$

$$BEC = 0.005606$$

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	1239.03	0.0002	P	5.7
2	☐	0.100					
3	☐	1.000	0.865	2372.59	0.0004	P	1.3
4	☐	50.000	47.869	66166.04	0.0117	P	4.2
5	☐	125.000	121.881	169557.73	0.0294	P	1.5
6	☐	250.000	239.192	341899.49	0.0575	P	3.6
7	☐	500.000	487.008	690525.17	0.1168	P	1.9
8	☐	1000.000	1009.694	1405609.31	0.2420	P	0.8
9	☐			1282.93	0.0002	P	6.8

$$y = 2.3942\text{E-}004 * x + 2.2661\text{E-}004$$

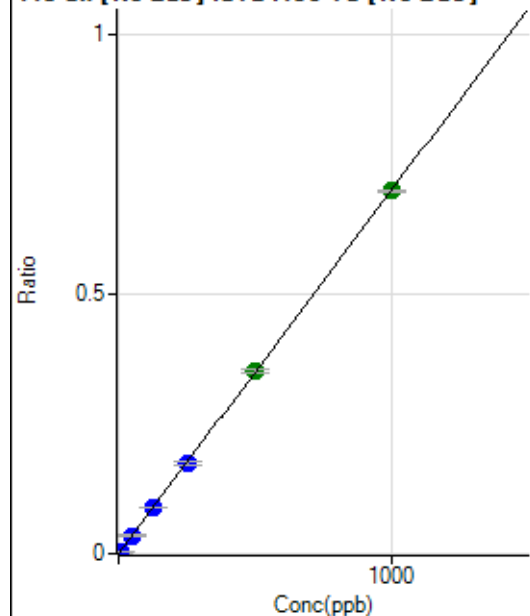
$$R = 0.9998$$

$$DL = 0.1604$$

$$BEC = 0.9465$$

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	319.46	0.0001	P	18.1
2	☐	0.500					
3	☐	5.000	4.744	18483.07	0.0034	P	2.2
4	☐	50.000	49.209	195274.96	0.0345	P	4.8
5	☐	125.000	125.982	508644.66	0.0882	P	2.2
6	☐	250.000	246.959	1027961.28	0.1729	P	4.3
7	☐	500.000	504.919	2088944.36	0.3534	A	2.0
8	☐	1000.000	998.219	4058657.21	0.6987	A	0.4
9	☐			2958.81	0.0005	P	5.1

$$y = 6.9984\text{E-}004 * x + 5.8525\text{E-}005$$

$$R = 1.0000$$

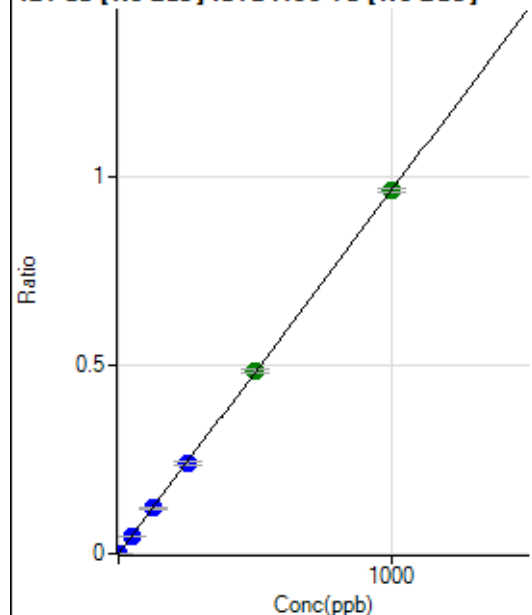
$$DL = 0.04536$$

$$BEC = 0.08363$$

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	38.89	0.0000	P	33.4
2	☐	0.200					
3	☐	2.000	1.745	9242.50	0.0017	P	2.4
4	☐	50.000	48.688	265773.90	0.0469	P	4.1
5	☐	125.000	125.341	696692.69	0.1208	P	2.0
6	☐	250.000	246.707	1414051.21	0.2378	P	4.5
7	☐	500.000	504.452	2874351.54	0.4863	A	2.2
8	☐	1000.000	998.620	5592222.22	0.9627	A	1.1
9	☐			5923.81	0.0011	P	2.0

$$y = 9.6402\text{E-}004 * x + 7.1165\text{E-}006$$

$$R = 1.0000$$

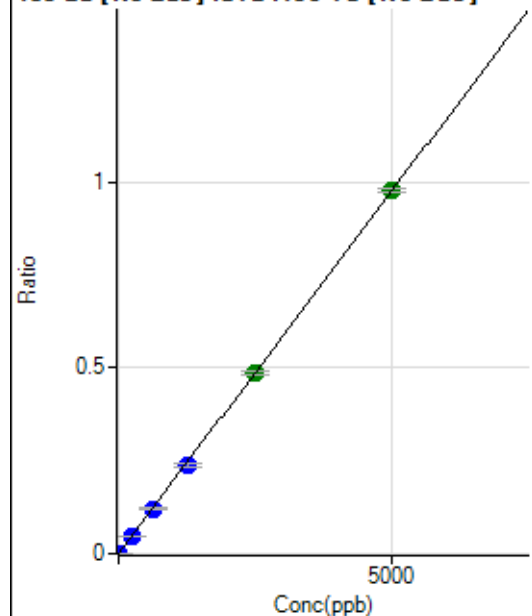
$$DL = 0.007387$$

$$BEC = 0.007382$$

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	44.45	0.0000	P	76.0
2	☐	1.000					
3	☐	10.000	9.263	9926.47	0.0018	P	6.4
4	☐	250.000	242.005	267267.40	0.0472	P	3.5
5	☐	625.000	623.426	700930.04	0.1216	P	1.6
6	☐	1250.000	1224.492	1419716.18	0.2388	P	4.1
7	☐	2500.000	2499.415	2880576.80	0.4874	A	2.8
8	☐	5000.000	5007.268	5671662.58	0.9764	A	1.0
9	☐			558.37	0.0001	P	2.0

$$y = 1.9499\text{E-}004 * x + 8.0902\text{E-}006$$

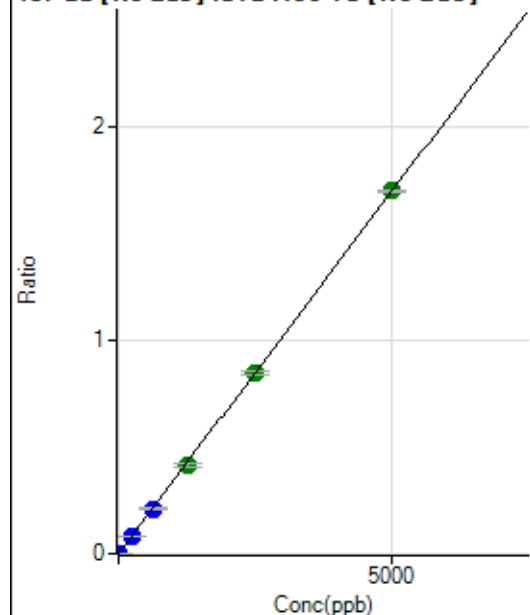
$$R = 1.0000$$

$$DL = 0.09465$$

$$BEC = 0.04149$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	38.89	0.0000	P	33.7
2	☐	1.000					
3	☐	10.000	8.984	16725.26	0.0031	P	5.6
4	☐	250.000	242.244	465629.10	0.0823	P	5.0
5	☐	625.000	623.515	1220783.67	0.2117	P	1.7
6	☐	1250.000	1223.830	2470846.21	0.4156	A	4.5
7	☐	2500.000	2490.222	4998162.22	0.8456	A	1.9
8	☐	5000.000	5012.007	9887024.52	1.7019	A	0.9
9	☐			1019.53	0.0002	P	13.3

$$y = 3.3957\text{E-}004 * x + 7.1327\text{E-}006$$

$$R = 1.0000$$

$$DL = 0.02124$$

$$BEC = 0.02101$$

Weight: <None>

Min Conc: 0

150 Nd [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	114.5
2	☐						
3	☐			13.33		P	50.0
4	☐			13.33		P	50.0
5	☐			42.22		P	36.5
6	☐			62.23		P	50.6
7	☐			106.67		P	41.0
8	☐			257.79		P	3.0
9	☐			73.34		P	31.5

150 Nd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			0.00		P	
2	☐						
3	☐			0.00		P	
4	☐			0.00		P	
5	☐			1.11		P	173.2
6	☐			2.22		P	173.2
7	☐			3.33		P	100.1
8	☐			14.44		P	53.3
9	☐			11.11		P	75.5

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.89		P	91.6
2	☐						
3	☐			19.45		P	24.7
4	☐			22.22		P	21.6
5	☐			36.11		P	58.1
6	☐			47.22		P	27.0
7	☐			44.45		P	65.8
8	☐			83.34		P	36.1
9	☐			36.11		P	70.5

156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐						
3	☐			2.22		P	173.2
4	☐			2.22		P	173.2
5	☐			2.22		P	86.6
6	☐			1.11		P	173.2
7	☐			6.67		P	100.0
8	☐			15.56		P	65.5
9	☐			6.66		P	86.6

160 Gd [No Gas] Noavailable calibration poin_

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			44.45		P	39.0
2	☐						
3	☐			58.34		P	14.3
4	☐			55.56		P	60.6
5	☐			52.78		P	18.2
6	☐			66.67		P	12.5
7	☐			52.78		P	48.2
8	☐			61.11		P	43.8
9	☐			75.00		P	33.3

160 Gd [He] No available calibration points

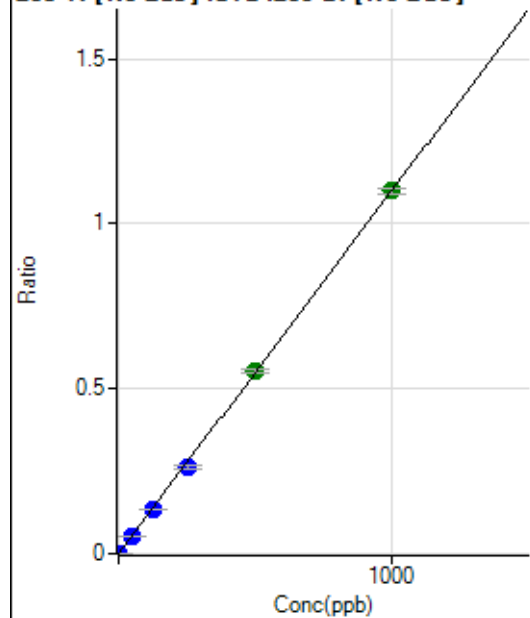
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.33		P	50.0
2	☐						
3	☐			16.67		P	34.6
4	☐			12.22		P	103.3
5	☐			8.89		P	43.3
6	☐			13.33		P	50.0
7	☐			16.67		P	72.1
8	☐			21.11		P	32.9
9	☐			25.56		P	37.7

164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			30.56		P	56.8
2	☐						
3	☐			25.00		P	0.0
4	☐			33.34		P	50.0
5	☐			44.45		P	28.7
6	☐			25.00		P	66.7
7	☐			16.67		P	86.6
8	☐			27.78		P	34.6
9	☐			47.22		P	27.0

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	57.3
2	☐						
3	☐			8.89		P	21.6
4	☐			7.78		P	24.7
5	☐			3.33		P	0.0
6	☐			8.89		P	57.3
7	☐			5.55		P	124.9
8	☐			6.67		P	50.0
9	☐			7.78		P	137.8

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	8.33	0.0000	P	1.1
2	☐	0.100					
3	☐	1.000	0.843	2897.71	0.0009	P	9.6
4	☐	50.000	47.513	167309.39	0.0522	P	3.5
5	☐	125.000	121.236	433319.04	0.1333	P	1.3
6	☐	250.000	239.561	878317.78	0.2633	P	3.7
7	☐	500.000	505.308	1839307.87	0.5554	A	2.0
8	☐	1000.000	1000.551	3546764.66	1.0998	A	1.8
9	☐			372.25	0.0001	P	7.1

$$y = 0.0011 * x + 2.6929E-006$$

$$R = 0.9999$$

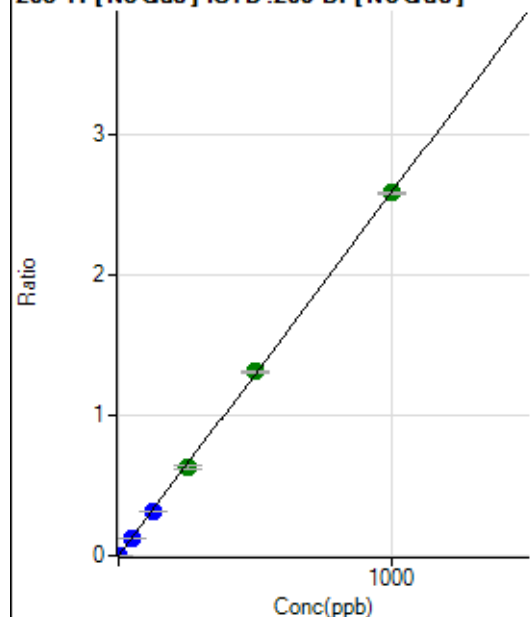
$$DL = 8.314E-05$$

$$BEC = 0.00245$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	55.56	0.0000	P	23.0
2	☐	0.100					
3	☐	1.000	0.835	6802.17	0.0022	P	2.5
4	☐	50.000	47.867	397605.93	0.1241	P	3.8
5	☐	125.000	122.459	1032355.86	0.3175	P	2.1
6	☐	250.000	243.288	2103924.74	0.6308	A	4.0
7	☐	500.000	506.581	4349812.29	1.3135	A	1.3
8	☐	1000.000	998.812	8352811.13	2.5897	A	0.8
9	☐			675.05	0.0002	P	14.8

$$y = 0.0026 * x + 1.7959E-005$$

$$R = 0.9999$$

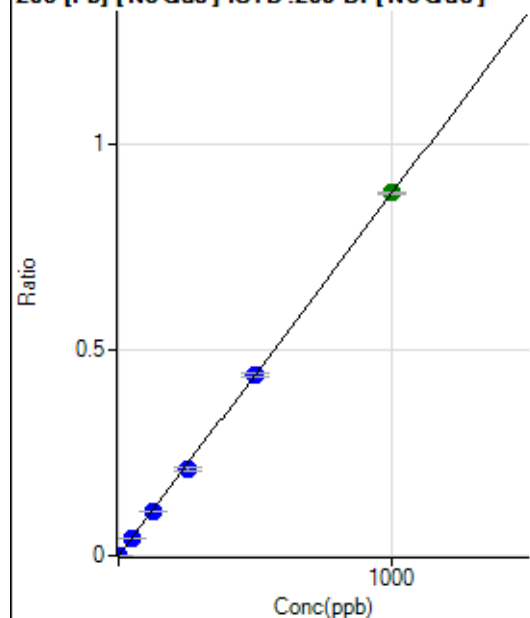
$$DL = 0.004781$$

$$BEC = 0.006927$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	168.52	0.0001	P	18.5
2	☐	0.100					
3	☐	1.000	0.885	2600.34	0.0008	P	2.5
4	☐	50.000	48.281	136346.40	0.0426	P	4.6
5	☐	125.000	122.151	349949.55	0.1076	P	1.5
6	☐	250.000	238.878	701857.84	0.2104	P	3.8
7	☐	500.000	501.366	1462337.39	0.4416	P	2.2
8	☐	1000.000	1002.540	2847835.28	0.8830	A	0.4
9	☐			3535.79	0.0012	P	2.8

$$y = 8.8070E-004 * x + 5.4493E-005$$

$$R = 0.9999$$

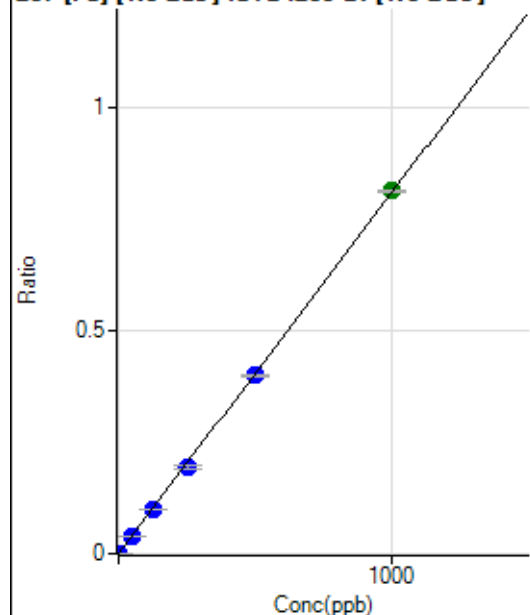
$$DL = 0.03436$$

$$BEC = 0.06188$$

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	140.75	0.0000	P	22.5
2	☐	0.100					
3	☐	1.000	0.851	2281.76	0.0007	P	4.3
4	☐	50.000	47.289	122299.71	0.0382	P	4.7
5	☐	125.000	121.544	318836.90	0.0981	P	2.2
6	☐	250.000	238.037	640457.99	0.1920	P	4.0
7	☐	500.000	494.183	1320101.82	0.3986	P	1.0
8	☐	1000.000	1006.467	2618153.44	0.8118	A	0.7
9	☐			3107.89	0.0011	P	1.6

$$y = 8.0653\text{E-}004 * x + 4.5557\text{E-}005$$

$$R = 0.9999$$

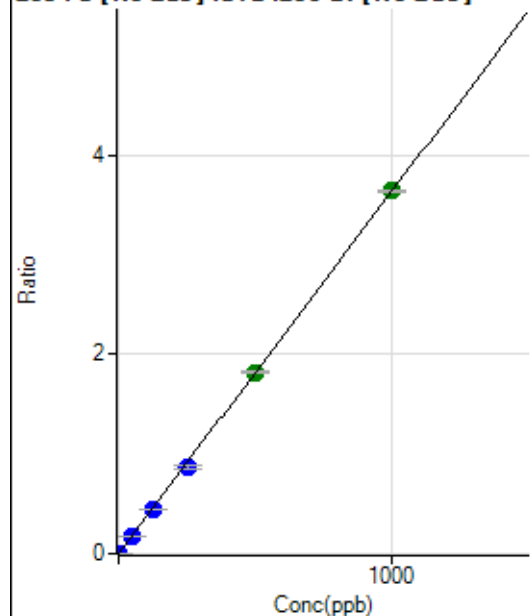
$$DL = 0.03814$$

$$BEC = 0.05649$$

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	614.84	0.0002	P	6.0
2	☐	0.100					
3	☐	1.000	0.853	10264.90	0.0033	P	2.1
4	☐	50.000	47.735	555279.46	0.1734	P	4.3
5	☐	125.000	121.703	1436092.37	0.4417	P	1.7
6	☐	250.000	238.588	2887560.42	0.8658	P	3.7
7	☐	500.000	501.320	6023453.58	1.8189	A	1.4
8	☐	1000.000	1002.719	11732981.05	3.6379	A	0.3
9	☐			13873.74	0.0047	P	1.5

$$y = 0.0036 * x + 1.9883\text{E-}004$$

$$R = 0.9999$$

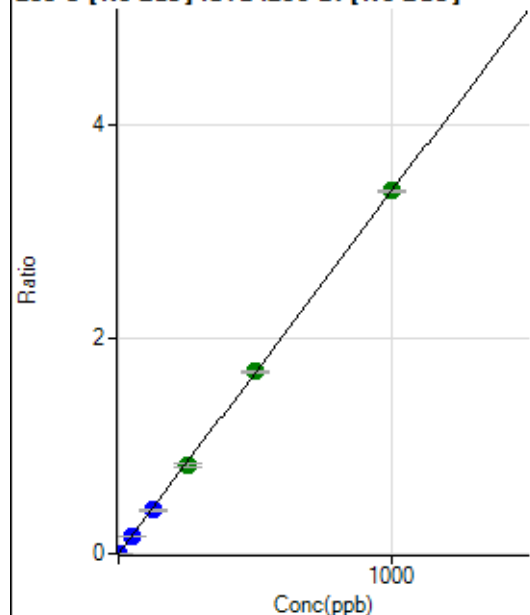
$$DL = 0.009922$$

$$BEC = 0.05481$$

Weight: <None>

Min Conc: 0

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



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	19.45	0.0000	P	64.4
2	☐	0.100					
3	☐	1.000	0.816	8608.97	0.0028	P	6.8
4	☐	50.000	46.748	505781.51	0.1579	P	2.9
5	☐	125.000	120.023	1317877.73	0.4053	P	1.3
6	☐	250.000	243.634	2744093.79	0.8227	A	3.7
7	☐	500.000	502.200	5616405.38	1.6959	A	0.8
8	☐	1000.000	1001.276	10905262.31	3.3812	A	0.6
9	☐			322.24	0.0001	P	14.2

$$y = 0.0034 * x + 6.2589E-006$$

$$R = 1.0000$$

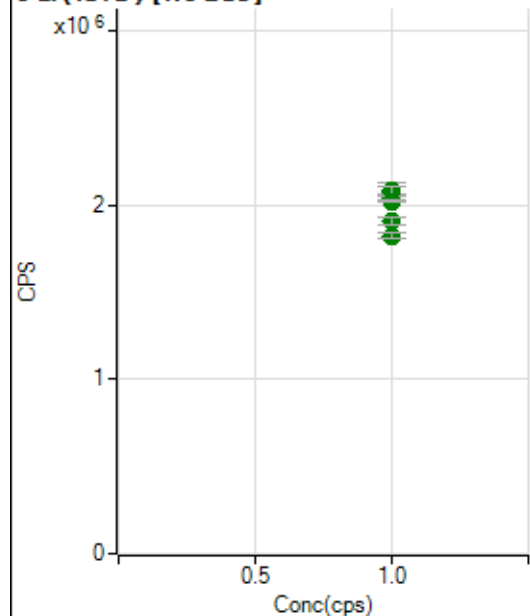
$$DL = 0.00358$$

$$BEC = 0.001853$$

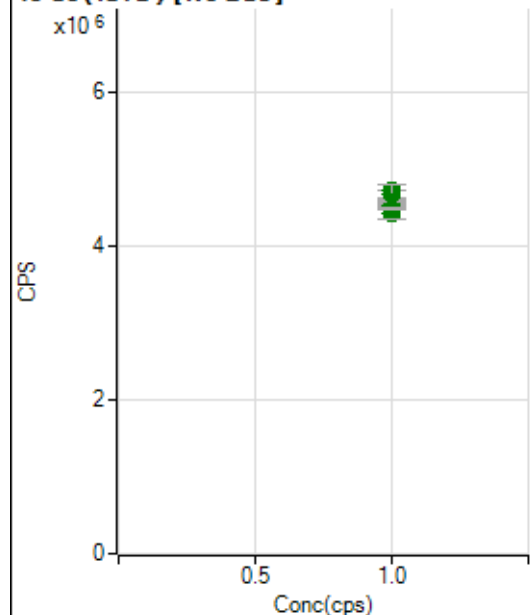
Weight: <None>

Min Conc: 0

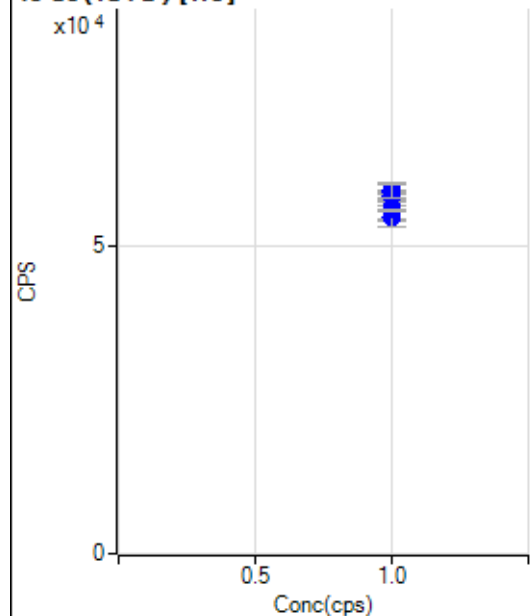
6 Li (ISTD) [No Gas]



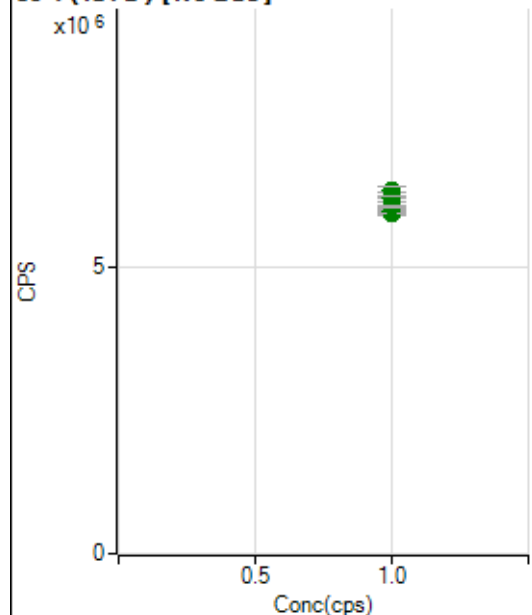
	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		2041305.94		A	1.9
2	☐	1.000					
3	☐	1.000		2044341.95		A	2.2
4	☐	1.000		2079475.16		A	4.4
5	☐	1.000		2043913.63		A	1.5
6	☐	1.000		2082303.40		A	2.3
7	☐	1.000		2024492.73		A	0.9
8	☐	1.000		1909125.37		A	1.9
9	☐	1.000		1824816.81		A	1.4

45 Sc (ISTD) [No Gas]

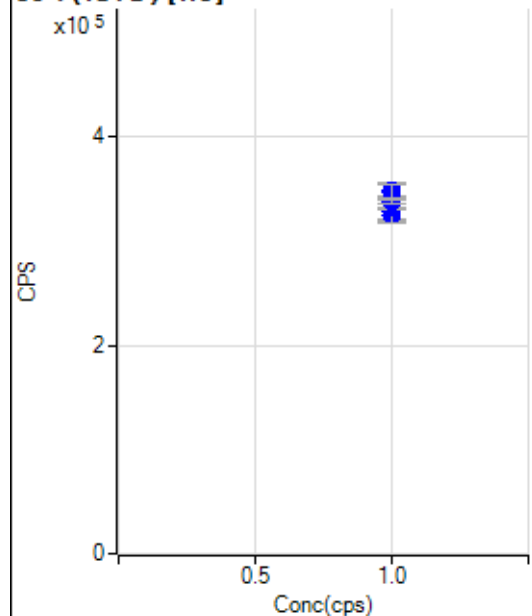
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4415835.82		A	2.4
2	☐	1.000					
3	☐	1.000		4506117.20		A	0.7
4	☐	1.000		4614616.90		A	4.4
5	☐	1.000		4675049.50		A	1.8
6	☐	1.000		4718127.40		A	3.6
7	☐	1.000		4570408.57		A	1.1
8	☐	1.000		4536223.58		A	1.4
9	☐	1.000		4487105.18		A	0.6

45 Sc (ISTD) [He]

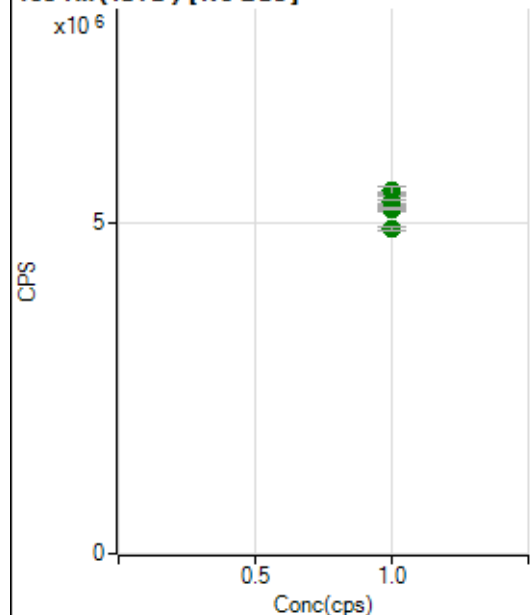
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		56696.86		P	7.8
2	☐	1.000					
3	☐	1.000		57961.32		P	2.4
4	☐	1.000		55834.21		P	6.1
5	☐	1.000		54766.11		P	6.2
6	☐	1.000		58942.78		P	4.9
7	☐	1.000		55858.47		P	0.6
8	☐	1.000		58120.68		P	1.3
9	☐	1.000		58806.10		P	3.8

89 Y (ISTD) [No Gas]

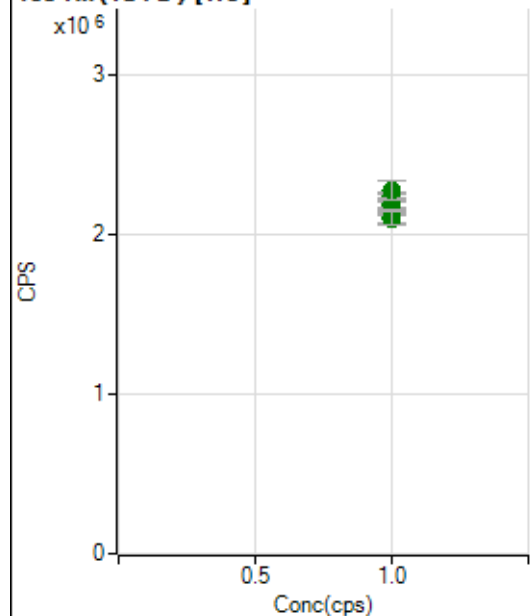
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5931195.54		A	1.1
2	☐	1.000					
3	☐	1.000		5971578.52		A	1.4
4	☐	1.000		6123278.45		A	4.2
5	☐	1.000		6254680.53		A	1.1
6	☐	1.000		6328878.45		A	2.6
7	☐	1.000		6223686.92		A	0.6
8	☐	1.000		6190936.78		A	1.5
9	☐	1.000		6058346.37		A	0.3

89 Y (ISTD) [He]

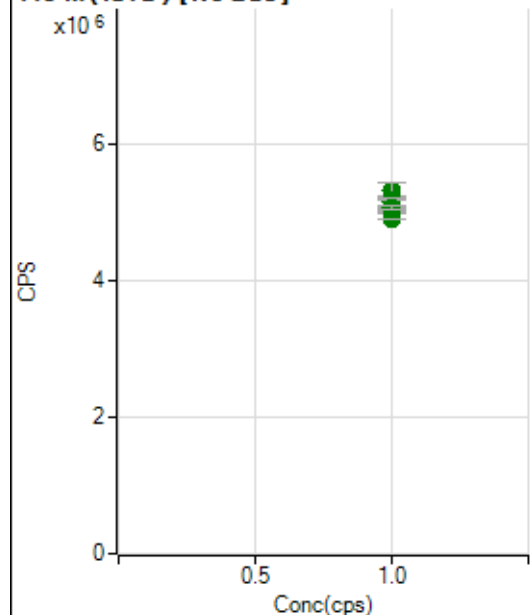
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		332366.43		P	7.0
2	☐	1.000					
3	☐	1.000		339066.77		P	2.0
4	☐	1.000		327897.19		P	4.8
5	☐	1.000		323942.23		P	3.9
6	☐	1.000		347433.66		P	5.0
7	☐	1.000		331982.82		P	0.5
8	☐	1.000		338026.27		P	1.0
9	☐	1.000		348141.34		P	3.5

103 Rh (ISTD) [No Gas]

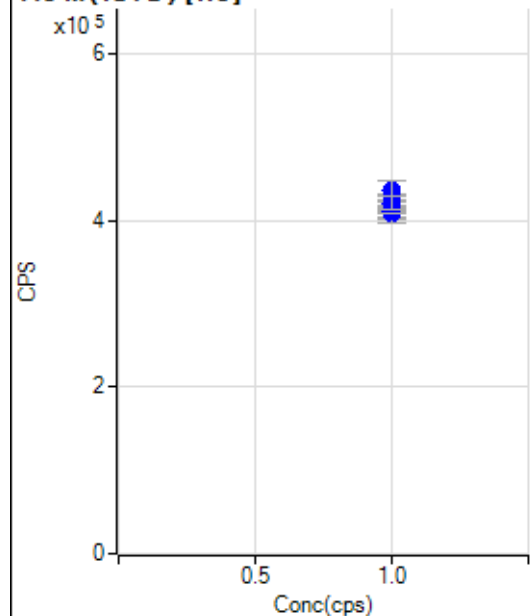
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5213587.66		A	2.1
2	☐	1.000					
3	☐	1.000		5234501.81		A	0.5
4	☐	1.000		5292626.59		A	4.5
5	☐	1.000		5442170.56		A	0.6
6	☐	1.000		5468830.25		A	3.0
7	☐	1.000		5294036.66		A	1.6
8	☐	1.000		5201876.11		A	0.3
9	☐	1.000		4901461.31		A	0.9

103 Rh (ISTD) [He]

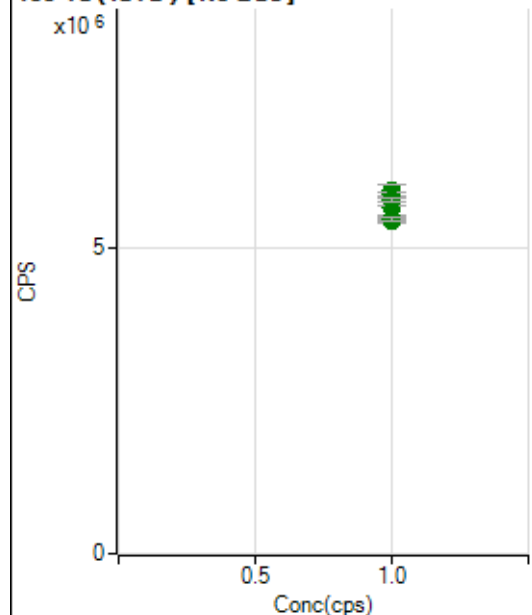
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2189207.03		A	6.0
2	☐	1.000					
3	☐	1.000		2239619.17		A	2.9
4	☐	1.000		2180054.15		A	4.9
5	☐	1.000		2111299.34		A	3.9
6	☐	1.000		2275094.43		A	5.4
7	☐	1.000		2153758.87		A	1.5
8	☐	1.000		2150479.00		A	0.7
9	☐	1.000		2103150.11		A	3.9

115 In (ISTD) [No Gas]

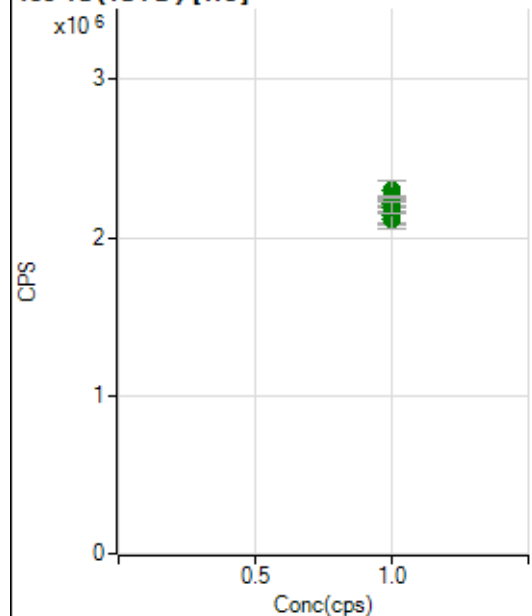
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5024628.20		A	0.7
2	☐	1.000					
3	☐	1.000		5052221.29		A	1.0
4	☐	1.000		5151413.63		A	3.9
5	☐	1.000		5225103.15		A	0.9
6	☐	1.000		5324166.53		A	4.5
7	☐	1.000		5200015.64		A	0.8
8	☐	1.000		5073445.13		A	1.0
9	☐	1.000		4907739.05		A	0.1

115 In (ISTD) [He]

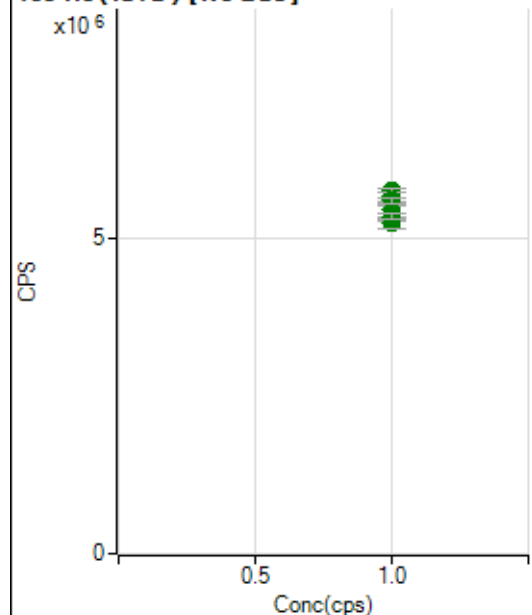
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		417030.30		P	7.1
2	☐	1.000					
3	☐	1.000		426005.73		P	1.8
4	☐	1.000		414435.96		P	5.3
5	☐	1.000		407828.26		P	4.9
6	☐	1.000		435683.90		P	5.9
7	☐	1.000		413548.57		P	1.2
8	☐	1.000		411202.88		P	0.7
9	☐	1.000		421049.07		P	3.7

159 Tb (ISTD) [No Gas]

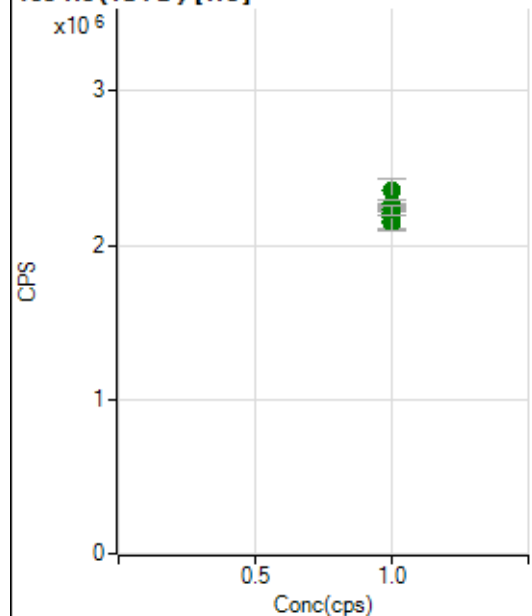
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5469999.50		A	1.8
2	☐	1.000					
3	☐	1.000		5470000.96		A	0.8
4	☐	1.000		5667912.07		A	4.2
5	☐	1.000		5766936.16		A	2.1
6	☐	1.000		5951501.85		A	3.4
7	☐	1.000		5911433.31		A	1.0
8	☐	1.000		5809447.21		A	1.2
9	☐	1.000		5498246.65		A	1.0

159 Tb (ISTD) [He]

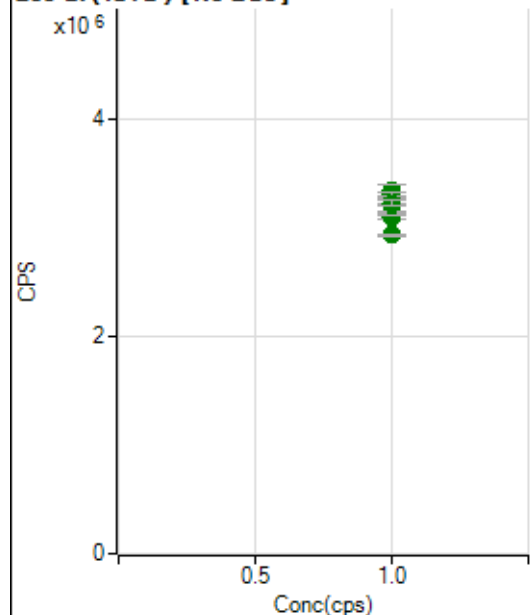
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2157305.30		A	7.2
2	☐	1.000					
3	☐	1.000		2171382.59		A	1.4
4	☐	1.000		2143965.12		A	4.4
5	☐	1.000		2115211.74		A	5.1
6	☐	1.000		2295355.87		A	5.3
7	☐	1.000		2214474.41		A	1.3
8	☐	1.000		2257862.35		A	1.0
9	☐	1.000		2191342.83		A	3.4

165 Ho (ISTD) [No Gas]

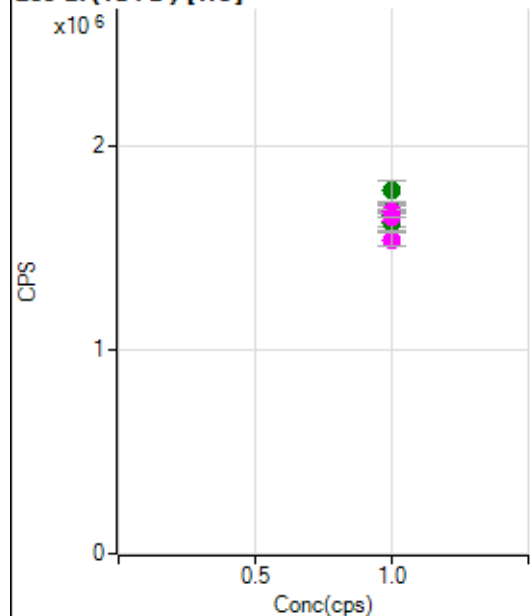
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5238149.68		A	2.9
2	☐	1.000					
3	☐	1.000		5288733.63		A	0.9
4	☐	1.000		5447860.54		A	4.3
5	☐	1.000		5536946.39		A	0.8
6	☐	1.000		5677225.52		A	3.5
7	☐	1.000		5748744.53		A	1.1
8	☐	1.000		5594733.72		A	1.5
9	☐	1.000		5341696.82		A	1.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2181532.57		A	7.3
2	☐	1.000					
3	☐	1.000		2212138.13		A	1.4
4	☐	1.000		2156969.10		A	5.6
5	☐	1.000		2147933.96		A	4.5
6	☐	1.000		2353230.24		A	6.6
7	☐	1.000		2258099.34		A	1.0
8	☐	1.000		2273579.86		A	2.0
9	☐	1.000		2226521.37		A	3.1

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3093578.42		A	1.1
2	☐	1.000					
3	☐	1.000		3117872.42		A	0.8
4	☐	1.000		3206192.52		A	3.8
5	☐	1.000		3251853.46		A	2.1
6	☐	1.000		3338018.70		A	3.3
7	☐	1.000		3311969.22		A	1.2
8	☐	1.000		3225300.51		A	1.6
9	☐	1.000		2929115.13		A	0.9

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1662485.48		A	7.1
2	☐	1.000					
3	☐	1.000		1691181.40		A	1.9
4	☐	1.000		1632390.74		M	6.1
5	☐	1.000		1622847.55		A	4.3
6	☐	1.000		1782939.65		A	5.5
7	☐	1.000		1681649.00		M	1.5
8	☐	1.000		1652613.12		M	0.4
9	☐	1.000		1545067.10		M	4.4

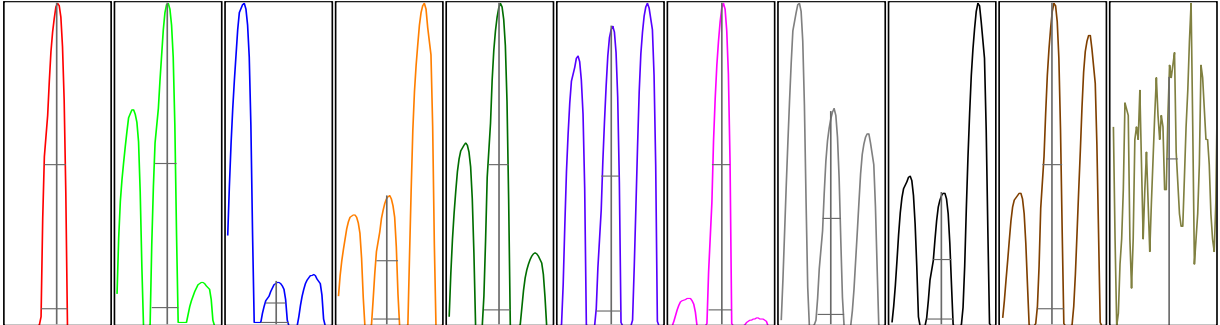
US EPA Tune Check Sample Report

Batch Folder D:\P8121918MS.b
Report Comment
Instrument Name G8403A JP17141814

[No Gas]				
Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
9	6909	2.56	5.00	
24	65540	2.67	5.00	
25	8900	2.32	5.00	
26	10332	2.51	5.00	
59	55633	1.99	5.00	
113	5353	1.93	5.00	
115	66575	2.41	5.00	
206	10901	2.24	5.00	
207	9821	2.34	5.00	
208	23509	2.22	5.00	
220	1	19.79		

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
9	6804	6767	7201	6945	6826
24	63926	63918	68156	65889	65812
25	8795	8716	9251	8889	8850
26	10217	10129	10784	10291	10240
59	54835	54799	57470	55815	55245
113	5310	5295	5535	5331	5292
115	66974	65564	69168	66046	65123
206	10670	10788	11279	11005	10762
207	9676	9668	10220	9806	9737
208	23097	23144	24387	23522	23397
220	2	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	12417	9.00	8.9 - 9.1		0.740	0.900	
24	116659	24.00	23.9 - 24.1		0.781	0.900	
25	15811	24.95	24.9 - 25.1		0.767	0.900	
26	18367	25.95	25.9 - 26.1		0.777	0.900	
59	101801	59.00	58.9 - 59.1		0.766	0.900	
113	10890	113.05	112.9 - 113.1		0.703	0.900	
115	135483	115.05	114.9 - 115.1		0.682	0.900	
206	21451	206.00	205.9 - 206.1		0.768	0.900	
207	19290	207.00	206.9 - 207.1		0.753	0.900	
208	46701	208.00	207.9 - 208.1		0.747	0.900	
220	2	220.20	-				

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	10.3	V	Deflect	14.8	V
Extract 2	-240.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-105	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	150	V			

[He]

Mass	Count (Mean)	RSD% (Actual)	RSD% (Required)
59	9493	3.19	
89	6615	3.38	
205	10064	1.33	

Mass	Replicate 1 Count	Replicate 2 Count	Replicate 3 Count	Replicate 4 Count	Replicate 5 Count
59	9530	9540	8991	9812	9594
89	6661	6643	6239	6839	6692
205	10146	10026	9851	10193	10102

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	10.3	V	Deflect	2.6	V
Extract 2	-240.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-105	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 :	LB99943	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:08:14	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.26	0.13	1.13	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.02	-0.01	-0.01	0.00	N/A	ppb
Barium	135-1	-0.03	0.00	0.03	0.00	N/A	ppb
Barium	137-1	0.00	-0.01	0.01	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.11	-0.06	-0.05	0.00	N/A	ppb
Boron	11-1	-0.03	0.01	0.02	0.00	N/A	ppb
Cadmium	111-1	0.00	-0.05	0.05	0.00	N/A	ppb
Cadmium	106-1	0.00	-0.75	0.74	0.00	N/A	ppb
Cadmium	108-1	0.12	-0.06	-0.06	0.00	N/A	ppb
Calcium	43-1	0.61	-0.54	-0.06	0.00	N/A	ppb
Calcium	44-1	10.19	-12.09	1.90	0.00	N/A	ppb
Chromium	52-2	-0.05	-0.01	0.06	0.00	N/A	ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	N/A	ppb
Copper	63-2	-0.01	-0.02	0.03	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	-0.19	-0.13	0.32	0.00	N/A	ppb
Iron	57-2	-2.30	1.76	0.54	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.00	-0.01	0.00	N/A	ppb
Lead	207-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.70	-0.67	1.37	0.00	N/A	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:08:14	DataFile Name :	004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.02	-0.02	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.00	-0.01	0.01	0.00	N/A	ppb
Molybdenum	95-1	0.01	-0.01	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.02	-0.02	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.01	0.00	0.00	N/A	ppb
Phosphorus	31-2	-44.91	-44.26	-42.99	-44.05		ppb
Potassium	39-2	-2.78	-3.51	6.30	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.24	-0.74	0.98	0.00	N/A	ppb
Selenium	82-1	0.08	0.95	-1.03	0.00	N/A	ppb
Silicon	28-1	1.43	-2.33	0.90	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-2.88	0.93	1.95	0.00	N/A	ppb
Strontium	86-1	0.02	0.01	-0.03	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	601.18	-537.35	372.30	145.38	414.25	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	-0.02	0.01	0.00	N/A	ppb
Titanium	47-1	-0.01	-0.02	0.03	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.01	-0.01	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.04	-0.08	0.04	0.00	N/A	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:08:14	DataFile Name :	004CALB.d

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

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-19 12:15:40 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.60	17.40	14.74	16.58	9.62	ppb
Antimony	121-1	1.70	1.79	1.75	1.75	2.42	ppb
Arsenic	75-2	0.86	0.70	0.90	0.82	13.12	ppb
Barium	135-1	8.87	8.96	9.95	9.26	6.45	ppb
Barium	137-1	8.49	9.50	8.97	8.98	5.65	ppb
Beryllium	9-1	0.85	0.88	0.93	0.89	4.41	ppb
Bismuth	209-1				101		%
Bismuth	209-2				102		%
Boron	10-1	20.88	23.67	22.51	22.35	6.28	ppb
Boron	11-1	21.73	21.30	21.72	21.58	1.15	ppb
Cadmium	111-1	0.89	0.85	0.86	0.87	2.64	ppb
Cadmium	106-1	0.96	-0.36	-0.01	0.20	351.50	ppb
Cadmium	108-1	1.04	1.18	0.72	0.98	23.74	ppb
Calcium	43-1	416.87	428.44	449.99	431.77	3.89	ppb
Calcium	44-1	408.46	437.05	431.20	425.57	3.55	ppb
Chromium	52-2	1.48	1.92	1.66	1.69	12.96	ppb
Cobalt	59-2	0.80	0.87	0.93	0.87	7.47	ppb
Copper	63-2	1.81	1.82	1.89	1.84	2.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	46.80	49.61	49.36	48.59	3.20	ppb
Iron	57-2	43.63	58.41	53.83	51.96	14.57	ppb
Krypton	83-1						cps
Lead	206-1	0.90	0.86	0.90	0.89	2.64	ppb
Lead	207-1	0.82	0.89	0.84	0.85	4.56	ppb
Lead	208-1	0.83	0.87	0.86	0.85	2.25	ppb
Lithium	6-1				100		%
Magnesium	24-2	477.63	478.75	503.63	486.67	3.02	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:15:40	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.81	1.05	0.91	0.93	13.00	ppb
Molybdenum	94-1	4.29	4.90	4.53	4.57	6.76	ppb
Molybdenum	95-1	4.27	4.67	5.03	4.66	8.21	ppb
Molybdenum	96-1	4.39	4.69	4.79	4.62	4.56	ppb
Molybdenum	97-1	4.49	4.57	4.84	4.64	3.97	ppb
Molybdenum	98-1	4.50	4.57	4.73	4.60	2.58	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.96	0.96	1.17	1.03	11.46	ppb
Phosphorus	31-2	25.48	66.09	40.58	44.05	46.59	ppb
Potassium	39-2	424.85	449.93	440.49	438.42	2.89	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	77-2	3.11	9.69	6.45	6.42	51.22	ppb
Selenium	78-2	2.80	5.54	4.48	4.27	32.37	ppb
Selenium	82-1	3.70	4.53	3.75	3.99	11.56	ppb
Silicon	28-1	7.45	8.86	7.66	7.99	9.52	ppb
Silver	109-1	0.94	0.94	0.98	0.95	2.43	ppb
Silver	107-1	0.86	0.95	0.92	0.91	4.98	ppb
Sodium	23-2	547.80	567.63	576.33	563.92	2.59	ppb
Strontium	86-1	0.87	0.82	0.87	0.86	3.43	ppb
Strontium	88-1	0.87	0.90	0.87	0.88	2.30	ppb
Sulfur	34-1	-424.68	148.91	-160.37	-145.38		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.79	0.81	0.94	0.84	9.62	ppb
Thallium	205-1	0.81	0.85	0.84	0.83	2.53	ppb
Tin	118-1	4.64	4.75	4.84	4.74	2.20	ppb
Titanium	47-1	4.40	4.80	4.85	4.68	5.30	ppb
Uranium	238-1	0.76	0.82	0.87	0.82	6.79	ppb
Vanadium	51-2	4.63	4.82	4.33	4.60	5.43	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	1.51	2.11	1.49	1.70	20.88	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:15:40	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.82	0.88	0.84	0.85	3.77	ppb
Zirconium	91-1	0.86	0.91	0.85	0.87	3.82	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:19:26	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	966.25	1083.98	1000.02	1016.75	5.96	ppb
Antimony	121-1	50.15	49.49	46.43	48.69	4.07	ppb
Arsenic	75-2	46.93	53.26	47.23	49.14	7.27	ppb
Barium	135-1	249.88	243.04	233.09	242.00	3.49	ppb
Barium	137-1	250.23	248.15	228.35	242.24	4.99	ppb
Beryllium	9-1	50.48	50.16	45.96	48.87	5.16	ppb
Bismuth	209-1				104		%
Bismuth	209-2				98		%
Boron	10-1	48.74	50.07	48.49	49.10	1.73	ppb
Boron	11-1	48.37	49.80	45.33	47.83	4.77	ppb
Cadmium	111-1	49.06	49.04	45.51	47.87	4.28	ppb
Cadmium	106-1	51.90	52.62	45.00	49.84	8.43	ppb
Cadmium	108-1	50.11	47.46	43.87	47.15	6.64	ppb
Calcium	43-1	4932.85	4920.56	4526.86	4793.42	4.82	ppb
Calcium	44-1	4986.84	5003.74	4658.31	4882.96	3.99	ppb
Chromium	52-2	49.37	55.40	49.70	51.49	6.59	ppb
Cobalt	59-2	49.03	55.70	49.02	51.25	7.52	ppb
Copper	63-2	98.13	111.76	100.11	103.33	7.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				99		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	2539.91	2916.30	2617.38	2691.20	7.39	ppb
Iron	57-2	2519.82	2890.08	2596.87	2668.93	7.32	ppb
Krypton	83-1						cps
Lead	206-1	49.50	49.61	45.73	48.28	4.58	ppb
Lead	207-1	49.27	47.68	44.92	47.29	4.66	ppb
Lead	208-1	49.27	48.53	45.41	47.73	4.29	ppb
Lithium	6-1				102		%
Magnesium	24-2	5361.04	6092.33	5474.50	5642.62	6.97	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:19:26	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	98.20	113.44	100.09	103.91	7.99	ppb
Molybdenum	94-1	249.50	253.14	233.70	245.45	4.21	ppb
Molybdenum	95-1	245.66	247.62	229.73	241.00	4.07	ppb
Molybdenum	96-1	247.85	250.42	231.66	243.31	4.18	ppb
Molybdenum	97-1	249.35	248.22	233.05	243.54	3.74	ppb
Molybdenum	98-1	246.14	250.33	231.16	242.54	4.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	50.25	56.37	51.62	52.75	6.09	ppb
Phosphorus	31-2	1221.37	1041.01	1037.22	1099.87	9.57	ppb
Potassium	39-2	2434.88	2778.43	2462.85	2558.72	7.46	ppb
Rhodium	103-1				102		%
Rhodium	103-2				100		%
Scandium	45-1				105		%
Scandium	45-2				98		%
Selenium	77-2	59.59	44.86	19.93	41.46	48.36	ppb
Selenium	78-2	44.47	55.14	47.14	48.92	11.35	ppb
Selenium	82-1	50.92	53.84	47.03	50.60	6.75	ppb
Silicon	28-1	61.27	61.55	49.88	57.57	11.57	ppb
Silver	109-1	50.58	49.49	46.60	48.89	4.21	ppb
Silver	107-1	51.41	50.58	47.23	49.74	4.45	ppb
Sodium	23-2	6237.79	7087.64	6401.80	6575.74	6.86	ppb
Strontium	86-1	48.61	49.20	45.71	47.84	3.91	ppb
Strontium	88-1	49.75	50.39	46.82	48.99	3.88	ppb
Sulfur	34-1	1634.49	2174.09	-347.42	1153.72	115.08	ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	48.50	48.45	45.59	47.51	3.51	ppb
Thallium	205-1	49.10	48.71	45.80	47.87	3.77	ppb
Tin	118-1	51.18	49.89	46.56	49.21	4.84	ppb
Titanium	47-1	246.53	248.88	229.15	241.52	4.46	ppb
Uranium	238-1	47.42	47.65	45.17	46.75	2.93	ppb
Vanadium	51-2	48.35	54.19	49.17	50.57	6.25	ppb
Yttrium	89-1				103		%
Yttrium	89-2				99		%
Zinc	66-2	99.75	110.79	101.14	103.90	5.79	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:19:26	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	49.80	50.07	46.65	48.84	3.88	ppb
Zirconium	91-1	48.96	49.50	45.08	47.85	5.04	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:23:12	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2510.76	2774.43	2874.32	2719.84	6.91	ppb
Antimony	121-1	122.76	125.65	127.62	125.34	1.95	ppb
Arsenic	75-2	126.28	136.76	134.12	132.39	4.12	ppb
Barium	135-1	612.46	625.13	632.69	623.43	1.64	ppb
Barium	137-1	618.60	616.19	635.76	623.52	1.71	ppb
Beryllium	9-1	124.75	125.72	125.64	125.37	0.43	ppb
Bismuth	209-1				105		%
Bismuth	209-2				98		%
Boron	10-1	124.43	125.01	125.03	124.82	0.27	ppb
Boron	11-1	123.60	125.47	128.26	125.78	1.86	ppb
Cadmium	111-1	119.99	121.99	123.66	121.88	1.51	ppb
Cadmium	106-1	123.26	124.72	123.48	123.82	0.63	ppb
Cadmium	108-1	119.65	124.50	124.71	122.95	2.33	ppb
Calcium	43-1	12124.48	12137.52	12305.77	12189.26	0.83	ppb
Calcium	44-1	12170.28	12186.97	12258.42	12205.22	0.38	ppb
Chromium	52-2	125.49	142.00	142.41	136.63	7.06	ppb
Cobalt	59-2	127.73	140.48	141.23	136.48	5.56	ppb
Copper	63-2	253.66	283.18	283.54	273.46	6.27	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				98		%
Indium	115-1				104		%
Indium	115-2				98		%
Iron	56-2	6627.65	7299.64	7347.51	7091.60	5.68	ppb
Iron	57-2	6633.32	7144.55	7330.33	7036.07	5.13	ppb
Krypton	83-1						cps
Lead	206-1	120.02	123.48	122.95	122.15	1.53	ppb
Lead	207-1	118.45	122.95	123.23	121.54	2.21	ppb
Lead	208-1	119.35	122.74	123.02	121.70	1.68	ppb
Lithium	6-1				100		%
Magnesium	24-2	13898.39	15418.23	15491.75	14936.12	6.02	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:23:12	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	254.36	277.05	285.12	272.18	5.86	ppb
Molybdenum	94-1	630.48	631.52	633.34	631.78	0.23	ppb
Molybdenum	95-1	617.57	619.38	628.13	621.69	0.91	ppb
Molybdenum	96-1	625.04	632.91	636.09	631.35	0.90	ppb
Molybdenum	97-1	614.21	624.60	621.32	620.05	0.86	ppb
Molybdenum	98-1	625.34	631.63	628.52	628.50	0.50	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	129.36	144.84	147.02	140.41	6.86	ppb
Phosphorus	31-2	2637.95	2928.64	2695.30	2753.96	5.59	ppb
Potassium	39-2	6325.56	6970.04	7006.06	6767.22	5.66	ppb
Rhodium	103-1				104		%
Rhodium	103-2				96		%
Scandium	45-1				106		%
Scandium	45-2				97		%
Selenium	77-2	108.62	133.58	173.66	138.62	23.67	ppb
Selenium	78-2	134.29	149.02	149.80	144.37	6.05	ppb
Selenium	82-1	124.20	124.18	126.12	124.84	0.89	ppb
Silicon	28-1	133.03	137.96	139.80	136.93	2.55	ppb
Silver	109-1	123.42	126.19	127.58	125.73	1.69	ppb
Silver	107-1	125.00	126.61	129.53	127.04	1.81	ppb
Sodium	23-2	16428.19	18246.01	18038.23	17570.81	5.66	ppb
Strontium	86-1	120.98	122.53	124.18	122.57	1.31	ppb
Strontium	88-1	124.35	127.15	127.58	126.36	1.39	ppb
Sulfur	34-1	2310.01	2382.91	3228.34	2640.42	19.33	ppb
Terbium	159-1				105		%
Terbium	159-2				98		%
Thallium	203-1	119.56	122.69	121.45	121.24	1.30	ppb
Thallium	205-1	119.62	124.53	123.22	122.46	2.08	ppb
Tin	118-1	123.09	126.17	128.68	125.98	2.22	ppb
Titanium	47-1	609.18	621.43	624.03	618.21	1.28	ppb
Uranium	238-1	118.29	121.34	120.44	120.02	1.31	ppb
Vanadium	51-2	124.70	138.90	140.62	134.74	6.48	ppb
Yttrium	89-1				105		%
Yttrium	89-2				97		%
Zinc	66-2	255.14	285.13	279.07	273.11	5.80	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:23:12	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	123.72	125.26	125.34	124.77	0.73	ppb
Zirconium	91-1	120.93	121.17	122.07	121.39	0.50	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:26:51	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4715.94	5183.96	4801.97	4900.62	5.08	ppb
Antimony	121-1	255.42	250.59	234.11	246.71	4.53	ppb
Arsenic	75-2	232.20	255.00	236.78	241.33	5.00	ppb
Barium	135-1	1261.31	1245.30	1166.86	1224.49	4.13	ppb
Barium	137-1	1264.40	1245.68	1161.41	1223.83	4.48	ppb
Beryllium	9-1	249.43	243.74	236.24	243.14	2.72	ppb
Bismuth	209-1				108		%
Bismuth	209-2				107		%
Boron	10-1	243.29	242.86	242.31	242.82	0.20	ppb
Boron	11-1	243.79	243.54	238.89	242.07	1.14	ppb
Cadmium	111-1	246.34	241.66	229.58	239.19	3.62	ppb
Cadmium	106-1	254.81	249.93	228.74	244.50	5.67	ppb
Cadmium	108-1	245.78	240.94	228.10	238.27	3.83	ppb
Calcium	43-1	24696.56	24163.23	23000.40	23953.40	3.62	ppb
Calcium	44-1	24561.00	24178.30	22789.01	23842.77	3.91	ppb
Chromium	52-2	235.30	260.13	241.13	245.52	5.29	ppb
Cobalt	59-2	234.19	257.16	239.98	243.78	4.90	ppb
Copper	63-2	471.09	519.97	484.77	491.94	5.13	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				108		%
Holmium	165-2				108		%
Indium	115-1				106		%
Indium	115-2				104		%
Iron	56-2	12090.88	13318.60	12381.35	12596.95	5.09	ppb
Iron	57-2	12138.20	13278.75	12437.36	12618.10	4.69	ppb
Krypton	83-1						cps
Lead	206-1	243.86	244.30	228.47	238.88	3.77	ppb
Lead	207-1	241.75	245.19	227.18	238.04	4.02	ppb
Lead	208-1	243.96	243.41	228.39	238.59	3.70	ppb
Lithium	6-1				102		%
Magnesium	24-2	26090.39	28268.87	27114.60	27157.95	4.01	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:26:51	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	473.54	520.71	485.48	493.24	4.97	ppb
Molybdenum	94-1	1275.82	1251.66	1180.85	1236.11	3.99	ppb
Molybdenum	95-1	1268.34	1243.39	1184.86	1232.20	3.48	ppb
Molybdenum	96-1	1282.39	1236.47	1185.31	1234.72	3.93	ppb
Molybdenum	97-1	1279.04	1225.50	1180.34	1228.29	4.02	ppb
Molybdenum	98-1	1266.06	1222.48	1172.99	1220.51	3.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	242.67	262.49	248.60	251.25	4.05	ppb
Phosphorus	31-2	4961.92	5098.92	5021.25	5027.36	1.37	ppb
Potassium	39-2	11577.84	12781.40	11950.66	12103.30	5.09	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	77-2	211.86	237.91	232.80	227.52	6.07	ppb
Selenium	78-2	231.08	240.58	229.37	233.68	2.58	ppb
Selenium	82-1	253.77	248.69	236.71	246.39	3.55	ppb
Silicon	28-1	273.71	269.72	251.62	265.02	4.44	ppb
Silver	109-1	255.27	250.95	232.57	246.26	4.89	ppb
Silver	107-1	257.53	253.82	233.47	248.28	5.22	ppb
Sodium	23-2	30190.63	33211.00	30799.96	31400.53	5.09	ppb
Strontium	86-1	246.63	240.03	231.56	239.41	3.16	ppb
Strontium	88-1	249.42	246.85	234.80	243.69	3.20	ppb
Sulfur	34-1	6340.89	5554.82	4310.71	5402.14	18.95	ppb
Terbium	159-1				109		%
Terbium	159-2				106		%
Thallium	203-1	242.94	246.33	229.42	239.56	3.74	ppb
Thallium	205-1	246.97	250.57	232.33	243.29	3.97	ppb
Tin	118-1	256.09	249.63	235.16	246.96	4.34	ppb
Titanium	47-1	1267.86	1219.51	1175.14	1220.84	3.80	ppb
Uranium	238-1	250.03	247.61	233.26	243.63	3.72	ppb
Vanadium	51-2	234.79	257.04	241.00	244.28	4.70	ppb
Yttrium	89-1				107		%
Yttrium	89-2				105		%
Zinc	66-2	466.64	518.25	487.87	490.92	5.28	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:26:51	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	254.53	251.48	236.48	247.50	3.90	ppb
Zirconium	91-1	247.15	242.05	228.98	239.39	3.92	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:30:25	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10016.97	9990.91	9973.97	9993.95	0.22	ppb
Antimony	121-1	517.14	498.14	498.08	504.45	2.18	ppb
Arsenic	75-2	498.11	490.90	510.05	499.69	1.94	ppb
Barium	135-1	2568.17	2429.73	2500.34	2499.42	2.77	ppb
Barium	137-1	2542.45	2448.91	2479.30	2490.22	1.92	ppb
Beryllium	9-1	497.66	484.91	494.33	492.30	1.34	ppb
Bismuth	209-1				107		%
Bismuth	209-2				101		%
Boron	10-1	496.77	482.85	498.02	492.55	1.71	ppb
Boron	11-1	500.49	485.41	495.95	493.95	1.57	ppb
Cadmium	111-1	497.58	479.37	484.07	487.01	1.94	ppb
Cadmium	106-1	491.98	489.63	490.89	490.83	0.24	ppb
Cadmium	108-1	496.36	492.55	478.42	489.11	1.93	ppb
Calcium	43-1	50165.90	48435.70	49526.94	49376.18	1.77	ppb
Calcium	44-1	49868.90	48643.03	48584.92	49032.28	1.48	ppb
Chromium	52-2	507.81	507.14	508.23	507.73	0.11	ppb
Cobalt	59-2	507.17	501.97	507.65	505.60	0.62	ppb
Copper	63-2	1028.62	1031.23	1007.79	1022.55	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				110		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				99		%
Iron	56-2	25913.85	26139.46	26253.75	26102.35	0.66	ppb
Iron	57-2	26092.90	26082.95	26333.98	26169.94	0.54	ppb
Krypton	83-1						cps
Lead	206-1	514.31	494.52	495.27	501.37	2.24	ppb
Lead	207-1	499.43	489.27	493.84	494.18	1.03	ppb
Lead	208-1	508.86	495.57	499.52	501.32	1.36	ppb
Lithium	6-1				99		%
Magnesium	24-2	55786.36	55551.10	55400.78	55579.42	0.35	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:30:25	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1015.99	1013.31	1015.85	1015.05	0.15	ppb
Molybdenum	94-1	2502.16	2540.29	2474.65	2505.70	1.32	ppb
Molybdenum	95-1	2502.42	2502.64	2493.89	2499.65	0.20	ppb
Molybdenum	96-1	2516.35	2513.22	2466.69	2498.75	1.11	ppb
Molybdenum	97-1	2527.68	2496.16	2491.47	2505.11	0.79	ppb
Molybdenum	98-1	2501.93	2490.54	2475.53	2489.34	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	514.81	514.91	513.71	514.47	0.13	ppb
Phosphorus	31-2	10329.59	10482.48	10162.20	10324.76	1.55	ppb
Potassium	39-2	24886.63	25053.72	24996.92	24979.09	0.34	ppb
Rhodium	103-1				102		%
Rhodium	103-2				98		%
Scandium	45-1				104		%
Scandium	45-2				99		%
Selenium	77-2	530.03	444.34	498.23	490.87	8.82	ppb
Selenium	78-2	485.29	500.87	506.71	497.62	2.23	ppb
Selenium	82-1	502.95	506.87	497.73	502.52	0.91	ppb
Silicon	28-1	539.32	510.86	529.44	526.54	2.74	ppb
Silver	109-1	509.58	492.09	499.95	500.54	1.75	ppb
Silver	107-1	502.77	498.47	491.58	497.61	1.13	ppb
Sodium	23-2	63891.86	63516.31	62720.10	63376.09	0.94	ppb
Strontium	86-1	497.59	500.05	492.94	496.86	0.73	ppb
Strontium	88-1	501.32	501.35	491.27	497.98	1.17	ppb
Sulfur	34-1	12669.40	11585.27	12157.55	12137.41	4.47	ppb
Terbium	159-1				108		%
Terbium	159-2				103		%
Thallium	203-1	516.12	495.86	503.94	505.31	2.02	ppb
Thallium	205-1	514.16	503.95	501.63	506.58	1.31	ppb
Tin	118-1	515.78	502.93	496.04	504.92	1.98	ppb
Titanium	47-1	2588.65	2537.88	2531.78	2552.77	1.22	ppb
Uranium	238-1	506.77	498.80	501.03	502.20	0.82	ppb
Vanadium	51-2	504.34	508.47	505.61	506.14	0.42	ppb
Yttrium	89-1				105		%
Yttrium	89-2				100		%
Zinc	66-2	1005.87	994.82	1005.57	1002.09	0.63	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:30:25	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	506.80	503.97	498.42	503.07	0.85	ppb
Zirconium	91-1	495.41	494.85	487.57	492.61	0.89	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:33:54	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19367.51	19581.36	19480.74	19476.53	0.55	ppb
Antimony	121-1	986.22	1007.12	1002.52	998.62	1.10	ppb
Arsenic	75-2	1003.76	1007.65	992.93	1001.45	0.76	ppb
Barium	135-1	4951.47	5041.38	5028.95	5007.27	0.97	ppb
Barium	137-1	4992.74	4982.30	5060.97	5012.01	0.85	ppb
Beryllium	9-1	1008.21	999.13	1009.39	1005.58	0.56	ppb
Bismuth	209-1				104		%
Bismuth	209-2				99		%
Boron	10-1	988.42	1004.69	1023.86	1005.65	1.76	ppb
Boron	11-1	978.99	1016.04	1020.28	1005.10	2.26	ppb
Cadmium	111-1	1000.41	1012.45	1016.23	1009.69	0.82	ppb
Cadmium	106-1	995.36	1008.80	1014.19	1006.12	0.96	ppb
Cadmium	108-1	995.31	1005.62	1025.39	1008.77	1.52	ppb
Calcium	43-1	96874.93	99526.26	98148.08	98183.09	1.35	ppb
Calcium	44-1	96547.01	97324.54	96180.69	96684.08	0.60	ppb
Chromium	52-2	997.69	1004.41	985.10	995.73	0.98	ppb
Cobalt	59-2	983.23	1012.55	996.00	997.26	1.47	ppb
Copper	63-2	1981.16	2006.32	1975.44	1987.64	0.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	50321.53	51427.41	50367.09	50705.34	1.23	ppb
Iron	57-2	50906.37	51631.78	50356.33	50964.83	1.26	ppb
Krypton	83-1						cps
Lead	206-1	1004.08	1005.26	998.28	1002.54	0.37	ppb
Lead	207-1	1009.09	1011.45	998.86	1006.47	0.67	ppb
Lead	208-1	1003.22	1005.11	999.82	1002.72	0.27	ppb
Lithium	6-1				94		%
Magnesium	24-2	105120.48	106998.40	105511.67	105876.85	0.94	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:33:54	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1984.04	2017.60	1971.96	1991.20	1.19	ppb
Molybdenum	94-1	4992.78	5120.25	4886.99	5000.00	2.34	ppb
Molybdenum	95-1	5035.95	5034.24	4946.27	5005.49	1.02	ppb
Molybdenum	96-1	5025.83	5053.76	4932.38	5003.99	1.27	ppb
Molybdenum	97-1	4974.95	5071.97	4964.53	5003.82	1.18	ppb
Molybdenum	98-1	5032.37	5032.39	4973.16	5012.64	0.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	984.64	1001.73	984.79	990.39	0.99	ppb
Phosphorus	31-2	19129.08	20371.23	19881.82	19794.04	3.16	ppb
Potassium	39-2	49331.11	49918.60	49081.59	49443.77	0.87	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	77-2	974.84	1019.16	1032.71	1008.90	3.00	ppb
Selenium	78-2	1004.80	1005.29	998.62	1002.90	0.37	ppb
Selenium	82-1	1002.77	1013.37	982.78	999.64	1.55	ppb
Silicon	28-1	970.68	990.53	982.17	981.12	1.02	ppb
Silver	109-1	993.75	997.69	1010.45	1000.63	0.87	ppb
Silver	107-1	987.57	1010.06	1006.52	1001.38	1.21	ppb
Sodium	23-2	124245.05	124040.06	122464.60	123583.24	0.79	ppb
Strontium	86-1	1008.62	1014.28	990.99	1004.63	1.21	ppb
Strontium	88-1	997.81	1010.65	998.94	1002.47	0.71	ppb
Sulfur	34-1	18506.78	19350.43	18559.36	18805.52	2.51	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	1005.94	1015.70	980.01	1000.55	1.84	ppb
Thallium	205-1	1007.64	997.69	991.11	998.81	0.83	ppb
Tin	118-1	994.08	999.47	1001.11	998.22	0.37	ppb
Titanium	47-1	4966.61	5068.08	4911.84	4982.18	1.59	ppb
Uranium	238-1	1005.58	1004.41	993.84	1001.28	0.65	ppb
Vanadium	51-2	995.51	1006.37	989.48	997.12	0.86	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	1991.04	2016.85	1986.55	1998.14	0.82	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:33:54	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	1004.46	1007.09	985.99	999.18	1.15	ppb
Zirconium	91-1	1016.31	1007.51	996.90	1006.91	0.96	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:42:12	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	104063.35	96586.96	99663.50	100104.60	3.75	ppb
Antimony	121-1	1.09	1.11	1.13	1.11	1.98	ppb
Arsenic	75-2	1.45	1.39	1.37	1.41	2.91	ppb
Barium	135-1	0.49	0.48	0.47	0.48	2.20	ppb
Barium	137-1	0.61	0.47	0.50	0.52	13.88	ppb
Beryllium	9-1	0.07	0.04	0.08	0.06	34.63	ppb
Bismuth	209-1				95		%
Bismuth	209-2				93		%
Boron	10-1	12.24	13.69	14.70	13.55	9.15	ppb
Boron	11-1	13.07	12.40	13.07	12.85	3.00	ppb
Cadmium	111-1	-0.04	0.04	0.09	0.03	232.91	ppb
Cadmium	106-1	-1.11	0.11	0.39	-0.21		ppb
Cadmium	108-1	0.03	0.55	0.21	0.26	102.30	ppb
Calcium	43-1	499906.68	499826.48	501730.83	500488.00	0.22	ppb
Calcium	44-1	498081.99	502410.84	501986.47	500826.43	0.48	ppb
Chromium	52-2	13.94	12.70	13.33	13.32	4.68	ppb
Cobalt	59-2	11.94	11.33	11.67	11.65	2.64	ppb
Copper	63-2	2.53	2.36	2.44	2.44	3.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				101		%
Iron	56-2	258637.24	241712.86	248812.59	249720.90	3.40	ppb
Iron	57-2	260551.50	240584.94	247851.94	249662.79	4.05	ppb
Krypton	83-1						cps
Lead	206-1	1.32	1.26	1.34	1.31	2.98	ppb
Lead	207-1	1.26	1.28	1.24	1.26	1.69	ppb
Lead	208-1	1.24	1.24	1.27	1.25	1.53	ppb
Lithium	6-1				89		%
Magnesium	24-2	517733.01	480229.96	496311.45	498091.47	3.78	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:42:12	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	10.22	9.76	9.59	9.86	3.31	ppb
Molybdenum	94-1	2.68	2.73	2.60	2.67	2.42	ppb
Molybdenum	95-1	2.73	2.82	2.90	2.82	3.02	ppb
Molybdenum	96-1	3.25	3.34	3.24	3.28	1.77	ppb
Molybdenum	97-1	2.86	2.81	2.99	2.88	3.19	ppb
Molybdenum	98-1	2.88	2.77	2.89	2.85	2.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	18.12	16.23	16.58	16.98	5.94	ppb
Phosphorus	31-2	-44.05	-33.51	-44.59	-40.72		ppb
Potassium	39-2	261032.00	240864.56	248462.77	250119.78	4.07	ppb
Rhodium	103-1				94		%
Rhodium	103-2				96		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	77-2	3.20	0.00	0.00	1.07	173.21	ppb
Selenium	78-2	0.30	0.23	0.27	0.27	12.89	ppb
Selenium	82-1	0.67	0.25	0.23	0.38	66.21	ppb
Silicon	28-1	6.42	8.42	9.08	7.97	17.41	ppb
Silver	109-1	0.07	0.05	0.06	0.06	14.78	ppb
Silver	107-1	0.04	0.06	0.07	0.06	31.41	ppb
Sodium	23-2	514803.29	476176.21	489469.88	493483.13	3.98	ppb
Strontium	86-1	4.30	4.25	4.26	4.27	0.68	ppb
Strontium	88-1	4.40	4.37	4.41	4.39	0.56	ppb
Sulfur	34-1	-2496.07	-2014.88	-1773.70	-2094.88		ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	0.12	0.10	0.11	0.11	7.24	ppb
Thallium	205-1	0.10	0.07	0.08	0.08	16.10	ppb
Tin	118-1	0.64	0.70	0.72	0.69	5.77	ppb
Titanium	47-1	1.17	1.08	1.17	1.14	4.47	ppb
Uranium	238-1	0.03	0.03	0.04	0.03	15.07	ppb
Vanadium	51-2	0.12	0.09	0.14	0.12	19.78	ppb
Yttrium	89-1				102		%
Yttrium	89-2				105		%
Zinc	66-2	15.54	13.83	14.80	14.72	5.83	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:42:12	DataFile Name :	013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.34	0.32	0.31	0.32	5.11	ppb
Zirconium	91-1	0.31	0.29	0.29	0.30	4.26	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:22:42	DataFile Name :	014ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	527.84	484.03	501.94	504.60	4.36	ppb
Antimony	121-1	188.54	188.68	187.46	188.23	0.35	ppb
Arsenic	75-2	187.48	189.21	187.19	187.96	0.58	ppb
Barium	135-1	94.98	96.04	93.97	95.00	1.09	ppb
Barium	137-1	95.19	94.31	94.58	94.69	0.48	ppb
Beryllium	9-1	98.98	94.15	96.15	96.43	2.52	ppb
Bismuth	209-1				99		%
Bismuth	209-2				103		%
Boron	10-1	0.83	0.75	0.63	0.74	13.41	ppb
Boron	11-1	0.41	0.47	0.68	0.52	26.90	ppb
Cadmium	111-1	93.95	92.19	93.58	93.24	0.99	ppb
Cadmium	106-1	80.06	79.92	82.53	80.84	1.82	ppb
Cadmium	108-1	86.75	87.03	86.69	86.82	0.21	ppb
Calcium	43-1	1834.55	1863.90	1891.01	1863.15	1.52	ppb
Calcium	44-1	1947.34	1965.98	1974.76	1962.70	0.71	ppb
Chromium	52-2	93.22	93.65	94.55	93.81	0.72	ppb
Cobalt	59-2	94.95	96.12	95.28	95.45	0.63	ppb
Copper	63-2	96.12	95.85	97.85	96.61	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				103		%
Iron	56-2	982.66	987.03	999.77	989.82	0.90	ppb
Iron	57-2	955.50	991.67	986.51	977.89	2.00	ppb
Krypton	83-1						cps
Lead	206-1	189.71	195.72	190.26	191.90	1.73	ppb
Lead	207-1	181.75	185.54	182.88	183.39	1.06	ppb
Lead	208-1	186.06	188.56	186.53	187.05	0.71	ppb
Lithium	6-1				91		%
Magnesium	24-2	1174.12	1199.45	1169.44	1181.00	1.37	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:22:42	DataFile Name :	014ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	94.14	93.45	94.77	94.12	0.70	ppb
Molybdenum	94-1	0.05	0.10	0.07	0.07	34.76	ppb
Molybdenum	95-1	0.05	0.05	0.03	0.04	24.74	ppb
Molybdenum	96-1	0.06	0.07	0.08	0.07	12.72	ppb
Molybdenum	97-1	0.04	0.01	0.09	0.05	83.57	ppb
Molybdenum	98-1	0.03	0.05	0.03	0.04	35.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	97.81	98.26	99.28	98.45	0.76	ppb
Phosphorus	31-2	-44.78	-44.82	-8.89	-32.83		ppb
Potassium	39-2	1938.04	1903.30	1932.22	1924.52	0.97	ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	77-2	206.35	201.80	203.36	203.84	1.13	ppb
Selenium	78-2	179.31	201.88	186.22	189.13	6.11	ppb
Selenium	82-1	200.04	194.56	195.13	196.58	1.53	ppb
Silicon	28-1	-7.69	-8.20	-6.40	-7.43		ppb
Silver	109-1	96.29	96.61	96.90	96.60	0.32	ppb
Silver	107-1	96.84	96.47	96.74	96.68	0.20	ppb
Sodium	23-2	2386.12	2427.67	2413.98	2409.26	0.88	ppb
Strontium	86-1	2.20	2.45	2.25	2.30	5.75	ppb
Strontium	88-1	2.11	2.13	2.21	2.15	2.26	ppb
Sulfur	34-1	-67.00	243.45	471.08	215.84	125.14	ppb
Terbium	159-1				102		%
Terbium	159-2				104		%
Thallium	203-1	191.17	197.78	195.70	194.89	1.73	ppb
Thallium	205-1	194.05	199.01	199.88	197.65	1.59	ppb
Tin	118-1	0.02	0.00	-0.01	0.00	441.84	ppb
Titanium	47-1	0.10	0.03	0.04	0.06	67.22	ppb
Uranium	238-1	0.02	0.02	0.03	0.03	23.76	ppb
Vanadium	51-2	93.40	94.24	93.90	93.85	0.45	ppb
Yttrium	89-1				103		%
Yttrium	89-2				105		%
Zinc	66-2	191.88	192.06	192.99	192.31	0.31	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:22:42	DataFile Name :	014ICV01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.02	0.02	0.01	78.64	ppb
Zirconium	91-1	0.09	0.09	0.09	0.09	3.22	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:27:59	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.93	17.48	13.51	15.31	13.12	ppb
Antimony	121-1	1.94	1.86	1.92	1.91	2.33	ppb
Arsenic	75-2	0.85	0.92	0.85	0.88	4.50	ppb
Barium	135-1	9.46	9.28	8.60	9.11	4.96	ppb
Barium	137-1	9.23	9.08	9.17	9.16	0.81	ppb
Beryllium	9-1	0.88	0.95	0.85	0.89	5.74	ppb
Bismuth	209-1				100		%
Bismuth	209-2				102		%
Boron	10-1	22.42	22.13	24.25	22.94	5.01	ppb
Boron	11-1	22.96	23.08	23.31	23.12	0.76	ppb
Cadmium	111-1	0.93	0.91	0.78	0.87	9.19	ppb
Cadmium	106-1	2.85	1.74	-0.45	1.38	121.75	ppb
Cadmium	108-1	0.77	1.53	0.81	1.04	41.38	ppb
Calcium	43-1	450.44	440.30	431.59	440.78	2.14	ppb
Calcium	44-1	554.00	555.97	557.12	555.70	0.28	ppb
Chromium	52-2	1.72	1.65	1.68	1.68	2.20	ppb
Cobalt	59-2	0.86	0.88	0.88	0.87	1.77	ppb
Copper	63-2	1.86	1.86	1.81	1.84	1.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				102		%
Indium	115-1				102		%
Indium	115-2				104		%
Iron	56-2	47.67	48.49	50.45	48.87	2.92	ppb
Iron	57-2	52.05	47.97	44.79	48.27	7.55	ppb
Krypton	83-1						cps
Lead	206-1	0.88	0.89	0.85	0.87	2.31	ppb
Lead	207-1	0.91	0.87	0.84	0.88	3.89	ppb
Lead	208-1	0.90	0.87	0.87	0.88	2.14	ppb
Lithium	6-1				89		%
Magnesium	24-2	472.19	459.91	491.90	474.67	3.40	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:27:59	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.97	0.98	0.97	0.97	0.67	ppb
Molybdenum	94-1	4.66	4.43	4.64	4.58	2.78	ppb
Molybdenum	95-1	4.50	4.60	4.36	4.49	2.68	ppb
Molybdenum	96-1	4.58	4.65	4.62	4.62	0.79	ppb
Molybdenum	97-1	4.59	4.38	4.49	4.49	2.39	ppb
Molybdenum	98-1	4.86	4.55	4.57	4.66	3.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.99	0.92	0.97	0.96	4.13	ppb
Phosphorus	31-2	-9.82	-44.63	16.29	-12.72		ppb
Potassium	39-2	422.56	448.68	466.33	445.86	4.94	ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	77-2	3.10	6.29	3.21	4.20	43.15	ppb
Selenium	78-2	8.80	4.35	6.02	6.39	35.17	ppb
Selenium	82-1	5.33	5.70	5.14	5.39	5.34	ppb
Silicon	28-1	2.23	1.62	2.85	2.23	27.55	ppb
Silver	109-1	0.95	0.91	0.88	0.91	3.71	ppb
Silver	107-1	0.90	0.84	0.90	0.88	3.95	ppb
Sodium	23-2	585.07	580.94	618.97	594.99	3.51	ppb
Strontium	86-1	1.07	0.93	0.92	0.97	8.72	ppb
Strontium	88-1	0.84	0.90	0.85	0.86	3.72	ppb
Sulfur	34-1	847.35	408.72	735.49	663.85	34.33	ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.90	0.83	0.88	0.87	4.45	ppb
Thallium	205-1	0.83	0.92	0.84	0.87	5.73	ppb
Tin	118-1	4.92	4.57	4.55	4.68	4.35	ppb
Titanium	47-1	4.85	4.06	4.56	4.49	8.95	ppb
Uranium	238-1	0.89	0.83	0.78	0.83	6.65	ppb
Vanadium	51-2	4.59	4.62	5.14	4.78	6.50	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	2.03	1.91	2.05	2.00	3.79	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:27:59	DataFile Name :	015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.87	0.90	0.90	0.89	1.85	ppb
Zirconium	91-1	0.96	0.83	0.79	0.86	10.16	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:31:23	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-1.52	-0.18	0.89	-0.27		ppb
Antimony	121-1	0.03	0.03	0.04	0.03	19.23	ppb
Arsenic	75-2	0.02	0.01	-0.01	0.01	216.53	ppb
Barium	135-1	-0.01	0.02	-0.03	-0.01		ppb
Barium	137-1	-0.01	0.01	0.00	0.00		ppb
Beryllium	9-1	0.00	0.01	0.02	0.01	121.54	ppb
Bismuth	209-1				101		%
Bismuth	209-2				92		%
Boron	10-1	1.09	1.14	0.80	1.01	18.12	ppb
Boron	11-1	0.94	0.86	0.94	0.92	4.96	ppb
Cadmium	111-1	-0.03	-0.10	-0.02	-0.05		ppb
Cadmium	106-1	-0.56	-1.30	-0.19	-0.69		ppb
Cadmium	108-1	-0.06	0.07	0.07	0.03	271.85	ppb
Calcium	43-1	-1.70	0.53	1.54	0.12	1347.87	ppb
Calcium	44-1	79.70	88.55	89.56	85.94	6.31	ppb
Chromium	52-2	0.07	0.13	0.20	0.13	47.33	ppb
Cobalt	59-2	0.01	0.00	0.00	0.01	130.72	ppb
Copper	63-2	0.03	0.02	-0.01	0.01	145.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				95		%
Indium	115-1				104		%
Indium	115-2				95		%
Iron	56-2	-0.33	-0.42	-0.63	-0.46		ppb
Iron	57-2	0.16	0.28	-1.16	-0.24		ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.01	0.03	0.02	72.08	ppb
Lead	207-1	0.00	0.02	0.02	0.01	124.77	ppb
Lead	208-1	0.01	0.01	0.02	0.02	23.44	ppb
Lithium	6-1				91		%
Magnesium	24-2	-2.68	-0.04	-1.69	-1.47		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:31:23	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.11	0.02	0.00	-0.03		ppb
Molybdenum	94-1	0.01	0.00	-0.02	0.00		ppb
Molybdenum	95-1	0.00	0.02	0.00	0.01	123.44	ppb
Molybdenum	96-1	0.00	0.00	0.01	0.00	270.97	ppb
Molybdenum	97-1	0.01	-0.02	0.01	0.00	9107.73	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	63.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	-0.01	0.01	0.01	241.66	ppb
Phosphorus	31-2	-56.38	-42.86	-30.76	-43.34		ppb
Potassium	39-2	26.34	20.02	27.89	24.75	16.85	ppb
Rhodium	103-1				103		%
Rhodium	103-2				96		%
Scandium	45-1				105		%
Scandium	45-2				95		%
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.87	1.59	-0.19	0.76	118.44	ppb
Selenium	82-1	-0.07	-0.31	0.59	0.07	669.44	ppb
Silicon	28-1	-9.04	-7.48	-7.26	-7.93		ppb
Silver	109-1	0.01	0.01	0.02	0.01	35.61	ppb
Silver	107-1	0.00	0.00	0.01	0.00	164.94	ppb
Sodium	23-2	24.28	40.77	35.18	33.41	25.11	ppb
Strontium	86-1	0.05	0.03	0.02	0.03	47.56	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-412.11	-17.20	27.26	-134.02		ppb
Terbium	159-1				102		%
Terbium	159-2				95		%
Thallium	203-1	0.01	0.02	0.01	0.01	62.02	ppb
Thallium	205-1	0.00	0.01	0.00	0.00	105.36	ppb
Tin	118-1	-0.01	-0.02	0.01	-0.01		ppb
Titanium	47-1	-0.03	-0.03	-0.04	-0.03		ppb
Uranium	238-1	0.00	0.00	0.00	0.00	287.97	ppb
Vanadium	51-2	0.00	0.00	0.01	0.00	100.44	ppb
Yttrium	89-1				105		%
Yttrium	89-2				95		%
Zinc	66-2	-0.30	-0.03	-0.17	-0.16		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:31:23	DataFile Name :	016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	-0.02	0.00	0.01	0.00		ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	105.91	ppb

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : ICSA01 Instrumnet Name : P8
 Client Sample ID : ICSA01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-19 13:34:47 DataFile Name : 017ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92354.91	88164.59	83471.41	87996.97	5.05	ppb
Antimony	121-1	1.18	1.17	1.14	1.17	1.80	ppb
Arsenic	75-2	0.37	0.38	0.17	0.31	39.85	ppb
Barium	135-1	1.52	1.44	1.38	1.45	4.94	ppb
Barium	137-1	1.55	1.47	1.45	1.49	3.75	ppb
Beryllium	9-1	0.26	0.35	0.26	0.29	17.59	ppb
Bismuth	209-1				88		%
Bismuth	209-2				85		%
Boron	10-1	1.69	1.87	1.74	1.77	5.30	ppb
Boron	11-1	1.41	1.62	1.44	1.49	7.55	ppb
Cadmium	111-1	0.36	0.23	0.47	0.35	33.48	ppb
Cadmium	106-1	-0.68	-1.79	-0.28	-0.92		ppb
Cadmium	108-1	11.12	11.09	9.25	10.49	10.21	ppb
Calcium	43-1	99391.45	98585.79	94713.60	97563.61	2.56	ppb
Calcium	44-1	98819.35	97647.36	93631.89	96699.53	2.81	ppb
Chromium	52-2	20.91	19.54	18.41	19.62	6.38	ppb
Cobalt	59-2	1.20	1.14	1.11	1.15	4.04	ppb
Copper	63-2	9.22	8.81	8.20	8.74	5.84	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				95		%
Holmium	165-2				94		%
Indium	115-1				92		%
Indium	115-2				94		%
Iron	56-2	106050.66	101648.68	95849.52	101182.95	5.06	ppb
Iron	57-2	106752.77	103166.81	98339.69	102753.09	4.11	ppb
Krypton	83-1						cps
Lead	206-1	5.03	4.84	4.53	4.80	5.25	ppb
Lead	207-1	4.17	4.06	3.91	4.05	3.13	ppb
Lead	208-1	4.50	4.40	4.18	4.36	3.76	ppb
Lithium	6-1				73		%
Magnesium	24-2	105726.54	100690.20	95313.92	100576.89	5.18	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:34:47	DataFile Name :	017ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	7.36	7.86	7.12	7.45	5.04	ppb
Molybdenum	94-1	1392.13	1381.77	1304.45	1359.45	3.52	ppb
Molybdenum	95-1	1962.58	1956.37	1858.66	1925.87	3.03	ppb
Molybdenum	96-1	1895.81	1876.92	1808.66	1860.46	2.46	ppb
Molybdenum	97-1	1980.18	1972.39	1897.31	1949.96	2.35	ppb
Molybdenum	98-1	1934.91	1966.45	1863.19	1921.51	2.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.81	5.78	5.07	5.56	7.50	ppb
Phosphorus	31-2	105233.79	101180.48	93599.11	100004.46	5.91	ppb
Potassium	39-2	105073.87	100001.07	94845.07	99973.34	5.12	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	77-2	0.00	0.00	3.20	1.07	173.21	ppb
Selenium	78-2	-0.18	1.48	1.34	0.88	104.20	ppb
Selenium	82-1	-1.06	-0.29	-0.72	-0.69		ppb
Silicon	28-1	24.59	21.95	15.66	20.74	22.13	ppb
Silver	109-1	1.05	1.06	0.93	1.01	7.31	ppb
Silver	107-1	1.09	1.12	0.87	1.03	12.98	ppb
Sodium	23-2	128384.81	124108.36	117813.77	123435.65	4.31	ppb
Strontium	86-1	33.84	33.15	32.25	33.08	2.42	ppb
Strontium	88-1	34.24	34.65	32.56	33.81	3.28	ppb
Sulfur	34-1	107444.41	104814.74	98688.61	103649.26	4.33	ppb
Terbium	159-1				94		%
Terbium	159-2				92		%
Thallium	203-1	0.22	0.15	0.15	0.17	22.98	ppb
Thallium	205-1	0.17	0.15	0.13	0.15	12.62	ppb
Tin	118-1	0.18	0.17	0.13	0.16	17.90	ppb
Titanium	47-1	2052.24	2016.21	1902.76	1990.40	3.92	ppb
Uranium	238-1	0.02	0.02	0.02	0.02	9.20	ppb
Vanadium	51-2	0.16	0.12	0.13	0.14	13.57	ppb
Yttrium	89-1				96		%
Yttrium	89-2				97		%
Zinc	66-2	12.75	11.27	11.45	11.82	6.86	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:34:47	DataFile Name :	017ICSA01.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.02	0.03	0.02	50.70	ppb
Zirconium	91-1	0.00	0.03	0.01	0.02	95.32	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:38:05	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	86353.98	86965.44	85147.36	86155.59	1.07	ppb
Antimony	121-1	20.69	20.61	20.67	20.66	0.21	ppb
Arsenic	75-2	20.14	20.30	18.69	19.71	4.49	ppb
Barium	135-1	21.34	21.49	20.99	21.27	1.20	ppb
Barium	137-1	20.81	20.85	21.35	21.00	1.44	ppb
Beryllium	9-1	22.37	22.15	22.36	22.29	0.57	ppb
Bismuth	209-1				87		%
Bismuth	209-2				84		%
Boron	10-1	70.17	67.27	67.71	68.38	2.28	ppb
Boron	11-1	68.25	68.78	67.36	68.13	1.05	ppb
Cadmium	111-1	18.95	19.31	19.65	19.30	1.83	ppb
Cadmium	106-1	18.08	14.94	17.46	16.83	9.86	ppb
Cadmium	108-1	29.24	28.05	25.60	27.63	6.71	ppb
Calcium	43-1	94323.43	96260.90	95137.38	95240.57	1.02	ppb
Calcium	44-1	94304.38	95335.16	94573.70	94737.74	0.56	ppb
Chromium	52-2	39.71	39.73	38.62	39.36	1.61	ppb
Cobalt	59-2	20.97	21.18	20.77	20.98	0.98	ppb
Copper	63-2	27.66	28.63	27.80	28.03	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				95		%
Holmium	165-2				93		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	99491.09	101825.61	98108.55	99808.42	1.88	ppb
Iron	57-2	100956.92	103428.25	99169.82	101185.00	2.11	ppb
Krypton	83-1						cps
Lead	206-1	25.11	24.95	25.41	25.15	0.92	ppb
Lead	207-1	22.71	22.43	22.52	22.55	0.63	ppb
Lead	208-1	23.36	23.42	23.62	23.47	0.58	ppb
Lithium	6-1				66		%
Magnesium	24-2	100033.87	100776.52	97568.23	99459.54	1.69	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:38:05	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	27.18	27.66	26.67	27.17	1.82	ppb
Molybdenum	94-1	1362.63	1344.34	1360.61	1355.86	0.74	ppb
Molybdenum	95-1	1892.75	1912.49	1923.57	1909.60	0.82	ppb
Molybdenum	96-1	1850.85	1858.07	1884.42	1864.45	0.95	ppb
Molybdenum	97-1	1948.53	1922.90	1952.38	1941.27	0.83	ppb
Molybdenum	98-1	1892.16	1904.94	1925.63	1907.58	0.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	25.22	25.55	25.30	25.36	0.68	ppb
Phosphorus	31-2	96304.96	100023.00	96284.27	97537.41	2.21	ppb
Potassium	39-2	99443.92	99453.89	97431.26	98776.36	1.18	ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	77-2	19.89	13.53	16.90	16.77	18.97	ppb
Selenium	78-2	20.73	18.98	19.51	19.74	4.54	ppb
Selenium	82-1	18.90	19.43	19.33	19.22	1.47	ppb
Silicon	28-1	74.33	77.40	74.46	75.40	2.30	ppb
Silver	109-1	18.98	19.22	19.20	19.13	0.70	ppb
Silver	107-1	19.11	19.34	18.97	19.14	0.98	ppb
Sodium	23-2	122399.36	123077.67	121141.25	122206.09	0.80	ppb
Strontium	86-1	31.86	31.63	32.47	31.99	1.36	ppb
Strontium	88-1	32.54	33.04	32.82	32.80	0.77	ppb
Sulfur	34-1	98125.03	99447.27	97855.04	98475.78	0.87	ppb
Terbium	159-1				95		%
Terbium	159-2				92		%
Thallium	203-1	20.09	20.55	20.05	20.23	1.40	ppb
Thallium	205-1	20.27	19.91	20.40	20.19	1.24	ppb
Tin	118-1	58.47	58.08	57.92	58.16	0.48	ppb
Titanium	47-1	2011.45	2011.24	2034.73	2019.14	0.67	ppb
Uranium	238-1	0.03	0.02	0.02	0.02	25.13	ppb
Vanadium	51-2	19.34	19.92	19.96	19.74	1.74	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	31.52	31.95	30.91	31.46	1.66	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:38:05	DataFile Name :	018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.03	0.03	0.01	0.02	58.98	ppb
Zirconium	91-1	0.02	0.01	0.05	0.03	85.00	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV90	Instrumnet Name :	P8
Client Sample ID :	CCV90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:41:23	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53185.84	51449.43	49132.25	51255.84	3.97	ppb
Antimony	121-1	518.37	531.46	524.19	524.67	1.25	ppb
Arsenic	75-2	537.42	513.96	491.56	514.31	4.46	ppb
Barium	135-1	2547.94	2599.30	2587.74	2578.33	1.04	ppb
Barium	137-1	2570.13	2569.45	2583.92	2574.50	0.32	ppb
Beryllium	9-1	565.96	562.97	561.22	563.38	0.43	ppb
Bismuth	209-1				91		%
Bismuth	209-2				87		%
Boron	10-1	582.24	575.75	566.33	574.77	1.39	ppb
Boron	11-1	571.29	577.86	577.84	575.66	0.66	ppb
Cadmium	111-1	478.49	501.60	494.44	491.51	2.41	ppb
Cadmium	106-1	495.77	510.11	509.77	505.22	1.62	ppb
Cadmium	108-1	488.30	510.51	499.88	499.56	2.22	ppb
Calcium	43-1	232769.17	243054.04	243498.75	239773.99	2.53	ppb
Calcium	44-1	235611.06	240917.63	243058.14	239862.28	1.60	ppb
Chromium	52-2	540.73	517.81	500.88	519.80	3.85	ppb
Cobalt	59-2	518.49	498.37	478.25	498.37	4.04	ppb
Copper	63-2	1010.20	973.26	947.61	977.02	3.22	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				100		%
Holmium	165-2				97		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	130890.63	125883.02	120642.46	125805.37	4.07	ppb
Iron	57-2	133987.75	127595.43	122667.85	128083.68	4.43	ppb
Krypton	83-1						cps
Lead	206-1	495.44	508.04	508.99	504.15	1.50	ppb
Lead	207-1	490.37	501.41	505.91	499.23	1.60	ppb
Lead	208-1	500.78	504.19	511.91	505.63	1.13	ppb
Lithium	6-1				70		%
Magnesium	24-2	275017.64	266359.58	253151.21	264842.81	4.16	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV90	Instrumnet Name :	P8
Client Sample ID :	CCV90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:41:23	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1041.38	1010.44	963.75	1005.19	3.89	ppb
Molybdenum	94-1	2509.53	2533.22	2550.13	2530.96	0.81	ppb
Molybdenum	95-1	2464.52	2534.36	2517.22	2505.37	1.45	ppb
Molybdenum	96-1	2494.11	2553.62	2511.17	2519.64	1.22	ppb
Molybdenum	97-1	2494.55	2584.49	2555.42	2544.82	1.80	ppb
Molybdenum	98-1	2465.28	2547.05	2490.25	2500.86	1.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	528.58	505.85	486.06	506.83	4.20	ppb
Phosphorus	31-2	11158.28	11047.75	10382.45	10862.83	3.86	ppb
Potassium	39-2	130312.03	124851.82	119508.72	124890.86	4.33	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	77-2	523.08	499.19	491.74	504.67	3.24	ppb
Selenium	78-2	543.27	525.51	490.92	519.90	5.12	ppb
Selenium	82-1	493.45	504.38	504.38	500.74	1.26	ppb
Silicon	28-1	520.18	557.45	560.52	546.05	4.11	ppb
Silver	109-1	493.01	510.54	502.28	501.94	1.75	ppb
Silver	107-1	499.50	525.65	508.41	511.19	2.60	ppb
Sodium	23-2	319199.73	312220.09	296327.60	309249.14	3.79	ppb
Strontium	86-1	490.67	497.11	501.08	496.29	1.06	ppb
Strontium	88-1	500.95	504.39	504.92	503.42	0.43	ppb
Sulfur	34-1	9027.01	10107.84	10983.84	10039.56	9.76	ppb
Terbium	159-1				98		%
Terbium	159-2				95		%
Thallium	203-1	497.83	508.78	508.09	504.90	1.22	ppb
Thallium	205-1	503.43	514.66	513.45	510.51	1.21	ppb
Tin	118-1	513.35	531.35	528.51	524.40	1.85	ppb
Titanium	47-1	2492.61	2535.92	2563.66	2530.73	1.41	ppb
Uranium	238-1	482.90	494.79	505.84	494.51	2.32	ppb
Vanadium	51-2	533.11	510.95	491.34	511.80	4.08	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	1011.04	981.58	942.70	978.44	3.50	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV90	Instrumnet Name :	P8
Client Sample ID :	CCV90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:41:23	DataFile Name :	019CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	510.46	515.43	507.66	511.18	0.77	ppb
Zirconium	91-1	491.67	500.81	497.44	496.64	0.93	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB90	Instrumnet Name :	P8
Client Sample ID :	CCB90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:48:42	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.36	-0.48	0.81	-0.01		ppb
Antimony	121-1	0.13	0.18	0.14	0.15	19.44	ppb
Arsenic	75-2	0.01	0.04	0.03	0.02	69.38	ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	0.02	0.01	0.01	0.01	54.43	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	14.71	ppb
Bismuth	209-1				97		%
Bismuth	209-2				91		%
Boron	10-1	4.57	4.69	5.72	4.99	12.72	ppb
Boron	11-1	4.80	4.68	4.28	4.59	5.99	ppb
Cadmium	111-1	-0.11	-0.08	-0.06	-0.08		ppb
Cadmium	106-1	-1.71	-1.09	-0.78	-1.19		ppb
Cadmium	108-1	-0.06	-0.06	0.03	-0.03		ppb
Calcium	43-1	0.27	-2.67	3.40	0.33	912.39	ppb
Calcium	44-1	116.37	111.98	106.49	111.62	4.44	ppb
Chromium	52-2	0.04	0.03	0.01	0.03	58.45	ppb
Cobalt	59-2	0.00	-0.01	0.00	0.00		ppb
Copper	63-2	0.04	0.08	0.06	0.06	34.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				94		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	56-2	-0.29	0.04	0.34	0.03	1062.32	ppb
Iron	57-2	-0.77	1.09	1.09	0.47	229.74	ppb
Krypton	83-1						cps
Lead	206-1	0.11	0.13	0.11	0.12	10.08	ppb
Lead	207-1	0.12	0.13	0.13	0.13	6.62	ppb
Lead	208-1	0.12	0.13	0.12	0.12	5.40	ppb
Lithium	6-1				78		%
Magnesium	24-2	-2.41	0.76	-1.77	-1.14		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB90	Instrumnet Name :	P8
Client Sample ID :	CCB90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:48:42	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.02	-0.11	-0.06	-0.06		ppb
Molybdenum	94-1	0.03	0.03	0.11	0.05	88.09	ppb
Molybdenum	95-1	0.09	0.06	0.07	0.08	23.65	ppb
Molybdenum	96-1	0.08	0.08	0.12	0.09	22.44	ppb
Molybdenum	97-1	0.07	0.08	0.14	0.10	41.67	ppb
Molybdenum	98-1	0.08	0.08	0.11	0.09	19.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.01	0.05	0.03	71.72	ppb
Phosphorus	31-2	-56.38	-43.86	-56.38	-52.21		ppb
Potassium	39-2	29.04	37.88	74.01	46.98	50.72	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				96		%
Selenium	77-2	3.22	0.00	0.00	1.07	173.21	ppb
Selenium	78-2	-0.22	-0.21	-0.74	-0.39		ppb
Selenium	82-1	0.41	-0.37	-0.82	-0.26		ppb
Silicon	28-1	-13.07	-11.88	-12.74	-12.57		ppb
Silver	109-1	0.03	0.03	0.03	0.03	12.20	ppb
Silver	107-1	0.04	0.03	0.03	0.03	15.01	ppb
Sodium	23-2	91.34	91.77	110.06	97.72	10.94	ppb
Strontium	86-1	0.11	-0.01	0.01	0.04	183.31	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-1909.81	-2002.39	-2211.93	-2041.38		ppb
Terbium	159-1				99		%
Terbium	159-2				95		%
Thallium	203-1	0.10	0.11	0.11	0.11	7.01	ppb
Thallium	205-1	0.14	0.15	0.11	0.13	15.39	ppb
Tin	118-1	0.02	0.00	0.01	0.01	153.61	ppb
Titanium	47-1	0.02	-0.03	0.03	0.01	396.70	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	128.20	ppb
Vanadium	51-2	0.00	-0.02	0.00	-0.01		ppb
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	-0.13	-0.02	-0.06	-0.07		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB90	Instrumnet Name :	P8
Client Sample ID :	CCB90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:48:42	DataFile Name :	020CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.01	0.00	0.00	0.00	161.18	ppb
Zirconium	91-1	0.03	0.01	0.00	0.01	176.97	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:52:10	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.99	18.98	17.15	18.38	5.77	ppb
Antimony	121-1	1.95	2.01	2.04	2.00	2.49	ppb
Arsenic	75-2	0.88	0.96	1.01	0.95	6.75	ppb
Barium	135-1	9.88	9.64	9.46	9.66	2.21	ppb
Barium	137-1	9.95	9.50	10.21	9.89	3.59	ppb
Beryllium	9-1	1.09	1.09	1.00	1.06	4.55	ppb
Bismuth	209-1				89		%
Bismuth	209-2				93		%
Boron	10-1	27.85	27.78	27.63	27.75	0.41	ppb
Boron	11-1	29.17	28.32	27.92	28.47	2.24	ppb
Cadmium	111-1	0.85	0.85	0.69	0.80	11.55	ppb
Cadmium	106-1	-0.09	-0.86	-2.21	-1.05		ppb
Cadmium	108-1	0.68	0.49	1.08	0.75	40.04	ppb
Calcium	43-1	486.78	466.03	467.93	473.58	2.42	ppb
Calcium	44-1	657.59	595.21	655.02	635.94	5.55	ppb
Chromium	52-2	1.89	2.18	2.04	2.04	7.10	ppb
Cobalt	59-2	0.97	1.04	0.97	0.99	4.36	ppb
Copper	63-2	2.15	2.25	2.22	2.21	2.28	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				91		%
Holmium	165-2				96		%
Indium	115-1				91		%
Indium	115-2				96		%
Iron	56-2	48.38	55.00	53.20	52.19	6.56	ppb
Iron	57-2	56.56	50.78	53.57	53.64	5.39	ppb
Krypton	83-1						cps
Lead	206-1	1.11	0.97	1.16	1.08	8.88	ppb
Lead	207-1	1.07	1.04	0.93	1.01	7.04	ppb
Lead	208-1	1.11	1.04	1.05	1.07	3.37	ppb
Lithium	6-1				71		%
Magnesium	24-2	489.10	535.50	511.72	512.11	4.53	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:52:10	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	0.97	0.80	1.13	0.97	16.63	ppb
Molybdenum	94-1	5.37	4.79	4.82	4.99	6.51	ppb
Molybdenum	95-1	5.13	5.10	4.92	5.05	2.27	ppb
Molybdenum	96-1	5.10	4.87	4.97	4.98	2.28	ppb
Molybdenum	97-1	5.38	5.13	4.88	5.13	4.80	ppb
Molybdenum	98-1	5.03	4.95	4.95	4.98	0.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.06	1.08	1.11	1.08	2.33	ppb
Phosphorus	31-2	-20.24	-43.40	19.70	-14.65		ppb
Potassium	39-2	440.17	533.39	513.29	495.62	9.90	ppb
Rhodium	103-1				91		%
Rhodium	103-2				98		%
Scandium	45-1				91		%
Scandium	45-2				98		%
Selenium	77-2	13.03	3.48	3.43	6.65	83.13	ppb
Selenium	78-2	4.01	4.91	3.15	4.02	21.86	ppb
Selenium	82-1	5.66	4.90	4.92	5.16	8.30	ppb
Silicon	28-1	8.69	1.99	9.35	6.68	60.98	ppb
Silver	109-1	1.02	0.93	1.00	0.98	4.60	ppb
Silver	107-1	1.01	0.97	1.08	1.02	5.69	ppb
Sodium	23-2	639.36	691.12	693.23	674.57	4.52	ppb
Strontium	86-1	1.13	0.88	0.91	0.98	13.94	ppb
Strontium	88-1	0.99	0.91	0.96	0.95	4.05	ppb
Sulfur	34-1	1204.91	-516.43	1404.03	697.50	151.40	ppb
Terbium	159-1				91		%
Terbium	159-2				96		%
Thallium	203-1	1.06	1.06	0.99	1.04	3.88	ppb
Thallium	205-1	1.09	1.06	1.04	1.06	2.03	ppb
Tin	118-1	5.15	5.06	5.12	5.11	0.84	ppb
Titanium	47-1	5.38	4.52	5.04	4.98	8.66	ppb
Uranium	238-1	0.87	0.87	0.90	0.88	2.00	ppb
Vanadium	51-2	4.56	5.45	5.17	5.06	8.97	ppb
Yttrium	89-1				92		%
Yttrium	89-2				96		%
Zinc	66-2	2.22	2.48	1.95	2.22	12.13	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:52:10	DataFile Name :	021LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.99	0.93	0.93	0.95	3.69	ppb
Zirconium	91-1	0.89	0.84	1.04	0.92	11.67	ppb

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : PB115787BL Instrumnet Name : P8
 Client Sample ID : PB115787BL Dilution Factor : 1
 Date & Time Acquired :: 2018-12-19 14:42:51 DataFile Name : 022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.89	0.58	1.05	0.84	28.35	ppb
Antimony	121-1	0.02	0.04	0.04	0.03	34.01	ppb
Arsenic	75-2	-0.01	0.02	0.01	0.01	217.62	ppb
Barium	135-1	-0.02	0.03	0.01	0.01	363.40	ppb
Barium	137-1	0.01	-0.02	-0.01	0.00		ppb
Beryllium	9-1	0.01	0.00	0.00	0.00	274.55	ppb
Bismuth	209-1				97		%
Bismuth	209-2				94		%
Boron	10-1	0.65	0.30	0.42	0.46	39.71	ppb
Boron	11-1	0.27	0.55	0.12	0.31	69.20	ppb
Cadmium	111-1	0.06	0.05	-0.21	-0.03		ppb
Cadmium	106-1	0.87	0.75	-2.81	-0.40		ppb
Cadmium	108-1	0.07	0.08	-0.01	0.04	113.39	ppb
Calcium	43-1	-1.25	-0.64	2.93	0.34	655.39	ppb
Calcium	44-1	9.03	60.62	57.97	42.54	68.28	ppb
Chromium	52-2	0.08	0.07	0.14	0.10	39.21	ppb
Cobalt	59-2	-0.02	-0.01	-0.01	-0.02		ppb
Copper	63-2	0.02	-0.01	0.01	0.00	256.38	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				98		%
Holmium	165-2				95		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	-0.77	-0.66	-0.46	-0.63		ppb
Iron	57-2	1.21	-0.32	-0.45	0.15	624.27	ppb
Krypton	83-1						cps
Lead	206-1	-0.01	0.01	-0.03	-0.01		ppb
Lead	207-1	0.03	-0.01	0.01	0.01	186.29	ppb
Lead	208-1	0.01	0.00	0.00	0.00	258.76	ppb
Lithium	6-1				80		%
Magnesium	24-2	-2.30	-0.34	0.19	-0.82		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BL	Instrumnet Name :	P8
Client Sample ID :	PB115787BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:42:51	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.06	0.02	-0.11	-0.05		ppb
Molybdenum	94-1	-0.02	0.00	0.00	0.00		ppb
Molybdenum	95-1	0.03	0.02	0.02	0.03	23.23	ppb
Molybdenum	96-1	0.01	0.01	0.02	0.01	44.09	ppb
Molybdenum	97-1	0.00	0.07	0.04	0.03	102.20	ppb
Molybdenum	98-1	0.02	0.04	0.01	0.02	57.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	0.01	0.06	0.03	85.84	ppb
Phosphorus	31-2	-56.38	-31.04	-56.38	-47.93		ppb
Potassium	39-2	5.57	20.31	9.82	11.90	63.75	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				100		%
Scandium	45-2				95		%
Selenium	77-2	0.00	3.34	0.00	1.11	173.21	ppb
Selenium	78-2	0.37	-0.20	-0.17	0.00	17613.80	ppb
Selenium	82-1	0.51	-0.32	0.93	0.37	169.41	ppb
Silicon	28-1	-18.87	-10.29	-11.40	-13.52		ppb
Silver	109-1	0.01	0.01	0.00	0.00	86.13	ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	25.41	27.12	31.86	28.13	11.88	ppb
Strontium	86-1	0.05	0.02	-0.04	0.01	460.92	ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-2012.97	642.70	281.77	-362.83		ppb
Terbium	159-1				98		%
Terbium	159-2				95		%
Thallium	203-1	0.03	0.04	0.02	0.03	30.85	ppb
Thallium	205-1	0.02	0.00	0.01	0.01	62.48	ppb
Tin	118-1	-0.01	0.00	-0.02	-0.01		ppb
Titanium	47-1	-0.07	0.02	0.01	-0.02		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				99		%
Yttrium	89-2				95		%
Zinc	66-2	-0.17	-0.16	0.16	-0.05		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BL	Instrumnet Name :	P8
Client Sample ID :	PB115787BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:42:51	DataFile Name :	022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.00	0.00	0.00	392.25	ppb
Zirconium	91-1	0.02	0.00	-0.01	0.00	405.96	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BS	Instrumnet Name :	P8
Client Sample ID :	PB115787BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:46:15	DataFile Name :	023LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9875.28	9739.35	9562.86	9725.83	1.61	ppb
Antimony	121-1	520.46	491.32	517.35	509.71	3.14	ppb
Arsenic	75-2	503.38	500.64	496.39	500.14	0.70	ppb
Barium	135-1	2544.82	2420.67	2547.53	2504.34	2.89	ppb
Barium	137-1	2518.20	2401.88	2520.05	2480.04	2.73	ppb
Beryllium	9-1	522.23	507.93	533.26	521.14	2.44	ppb
Bismuth	209-1				99		%
Bismuth	209-2				95		%
Boron	10-1	503.33	504.97	544.41	517.57	4.49	ppb
Boron	11-1	500.69	502.99	539.90	514.53	4.28	ppb
Cadmium	111-1	489.16	465.36	495.84	483.45	3.31	ppb
Cadmium	106-1	498.86	477.43	496.74	491.01	2.41	ppb
Cadmium	108-1	489.27	472.27	493.76	485.10	2.34	ppb
Calcium	43-1	48782.43	47777.58	49647.35	48735.79	1.92	ppb
Calcium	44-1	48820.52	47210.76	49703.94	48578.41	2.60	ppb
Chromium	52-2	509.22	511.92	496.15	505.76	1.67	ppb
Cobalt	59-2	503.91	505.63	490.68	500.08	1.64	ppb
Copper	63-2	1024.99	1013.97	1001.11	1013.36	1.18	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				104		%
Holmium	165-2				99		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	56-2	25752.83	25913.41	25385.30	25683.85	1.05	ppb
Iron	57-2	25884.64	25943.32	25191.88	25673.28	1.63	ppb
Krypton	83-1						cps
Lead	206-1	493.17	481.29	501.53	492.00	2.07	ppb
Lead	207-1	487.64	474.58	495.68	485.97	2.19	ppb
Lead	208-1	500.42	482.96	502.87	495.42	2.19	ppb
Lithium	6-1				83		%
Magnesium	24-2	55367.60	55139.63	54884.09	55130.44	0.44	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BS	Instrumnet Name :	P8
Client Sample ID :	PB115787BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:46:15	DataFile Name :	023LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1002.59	999.85	981.75	994.73	1.14	ppb
Molybdenum	94-1	2551.49	2376.58	2573.17	2500.41	4.31	ppb
Molybdenum	95-1	2544.95	2357.54	2561.21	2487.90	4.55	ppb
Molybdenum	96-1	2532.17	2369.34	2565.71	2489.07	4.22	ppb
Molybdenum	97-1	2543.31	2362.04	2531.99	2479.11	4.10	ppb
Molybdenum	98-1	2558.97	2337.27	2526.51	2474.25	4.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	511.73	514.12	496.39	507.41	1.90	ppb
Phosphorus	31-2	9831.07	10094.28	10041.45	9988.93	1.39	ppb
Potassium	39-2	24546.35	24498.70	24225.02	24423.35	0.71	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	77-2	500.79	454.14	499.14	484.69	5.46	ppb
Selenium	78-2	526.67	501.18	499.13	509.00	3.01	ppb
Selenium	82-1	501.06	483.31	509.93	498.10	2.72	ppb
Silicon	28-1	566.18	563.77	601.07	577.01	3.62	ppb
Silver	109-1	514.45	489.26	512.86	505.52	2.79	ppb
Silver	107-1	507.60	486.05	508.88	500.84	2.56	ppb
Sodium	23-2	63455.78	63923.25	62404.08	63261.04	1.23	ppb
Strontium	86-1	493.11	470.70	499.41	487.74	3.09	ppb
Strontium	88-1	505.76	472.48	507.37	495.20	3.98	ppb
Sulfur	34-1	12781.79	11641.83	13837.85	12753.82	8.61	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	499.20	488.54	512.24	499.99	2.37	ppb
Thallium	205-1	502.92	494.41	515.28	504.20	2.08	ppb
Tin	118-1	514.03	489.20	515.91	506.38	2.94	ppb
Titanium	47-1	2498.58	2420.32	2536.44	2485.11	2.38	ppb
Uranium	238-1	489.55	470.71	486.00	482.08	2.08	ppb
Vanadium	51-2	507.30	505.74	492.90	501.98	1.57	ppb
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	996.15	1000.47	979.14	991.92	1.14	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BS	Instrumnet Name :	P8
Client Sample ID :	PB115787BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:46:15	DataFile Name :	023LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	503.02	478.28	508.99	496.76	3.28	ppb
Zirconium	91-1	490.60	467.47	497.20	485.09	3.22	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	J6379-04DLX2	Instrumnet Name :	P8
Client Sample ID :	P001-SS003-1218-01DL	Dilution Factor :	2
Date & Time Acquired ::	2018-12-19 14:49:30	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	53463.51	59447.35	52599.88	55170.25	6.76	ppb
Antimony	121-1	0.41	0.33	0.39	0.38	10.78	ppb
Arsenic	75-2	27.75	29.73	28.28	28.59	3.58	ppb
Barium	135-1	397.30	385.35	386.39	389.68	1.70	ppb
Barium	137-1	394.29	388.62	387.05	389.99	0.98	ppb
Beryllium	9-1	3.39	2.86	2.98	3.08	8.91	ppb
Bismuth	209-1				98		%
Bismuth	209-2				91		%
Boron	10-1	19.95	18.03	20.35	19.44	6.37	ppb
Boron	11-1	20.55	19.21	17.00	18.92	9.49	ppb
Cadmium	111-1	0.94	0.85	0.94	0.91	5.44	ppb
Cadmium	106-1	6.68	6.14	6.08	6.30	5.26	ppb
Cadmium	108-1	3.22	2.72	2.93	2.96	8.57	ppb
Calcium	43-1	32995.52	31975.46	32362.09	32444.35	1.59	ppb
Calcium	44-1	33197.54	32330.91	32362.65	32630.36	1.51	ppb
Chromium	52-2	110.44	123.91	110.35	114.90	6.79	ppb
Cobalt	59-2	52.87	59.19	53.23	55.09	6.45	ppb
Copper	63-2	141.24	157.83	140.66	146.58	6.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				97		%
Indium	115-1				98		%
Indium	115-2				95		%
Iron	56-2	146006.74	162582.70	144202.42	150930.62	6.71	ppb
Iron	57-2	147783.90	163621.69	148237.48	153214.36	5.88	ppb
Krypton	83-1						cps
Lead	206-1	1076.80	1030.61	1042.77	1050.06	2.28	ppb
Lead	207-1	1021.61	982.48	972.32	992.14	2.62	ppb
Lead	208-1	1045.69	1003.64	1002.81	1017.38	2.41	ppb
Lithium	6-1				81		%
Magnesium	24-2	35011.64	38574.14	34355.22	35980.33	6.31	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	J6379-04DLX2	Instrumnet Name :	P8
Client Sample ID :	P001-SS003-1218-01DL	Dilution Factor :	2
Date & Time Acquired ::	2018-12-19 14:49:30	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	3209.00	3585.07	3169.58	3321.22	6.91	ppb
Molybdenum	94-1	38.97	38.54	37.55	38.35	1.90	ppb
Molybdenum	95-1	1.84	1.95	1.81	1.87	3.93	ppb
Molybdenum	96-1	6.76	6.25	6.37	6.46	4.10	ppb
Molybdenum	97-1	2.00	1.90	1.90	1.93	2.92	ppb
Molybdenum	98-1	2.05	1.97	1.77	1.93	7.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	119.96	133.77	120.10	124.61	6.36	ppb
Phosphorus	31-2	2348.61	2237.07	2604.60	2396.76	7.86	ppb
Potassium	39-2	4068.98	4574.68	4077.07	4240.24	6.83	ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				105		%
Scandium	45-2				100		%
Selenium	77-2	106.55	101.41	103.54	103.83	2.49	ppb
Selenium	78-2	19.24	25.14	26.28	23.55	16.04	ppb
Selenium	82-1	2.71	2.19	2.10	2.34	14.12	ppb
Silicon	28-1	1146.20	1041.29	1026.35	1071.28	6.10	ppb
Silver	109-1	0.26	0.25	0.26	0.26	2.35	ppb
Silver	107-1	0.25	0.25	0.23	0.24	6.24	ppb
Sodium	23-2	551.31	635.50	545.91	577.57	8.70	ppb
Strontium	86-1	102.14	96.90	98.28	99.11	2.74	ppb
Strontium	88-1	105.05	100.94	102.79	102.92	2.00	ppb
Sulfur	34-1	-3502.69	-4281.55	-4918.76	-4234.34		ppb
Terbium	159-1				101		%
Terbium	159-2				96		%
Thallium	203-1	0.33	0.30	0.29	0.31	7.41	ppb
Thallium	205-1	0.34	0.33	0.30	0.32	5.82	ppb
Tin	118-1	2.32	2.33	2.26	2.30	1.68	ppb
Titanium	47-1	72.99	71.09	70.23	71.43	1.98	ppb
Uranium	238-1	1.53	1.54	1.45	1.51	3.42	ppb
Vanadium	51-2	76.00	83.97	74.39	78.12	6.57	ppb
Yttrium	89-1				117		%
Yttrium	89-2				112		%
Zinc	66-2	672.12	747.58	672.58	697.43	6.23	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	J6379-04DLX2	Instrumnet Name :	P8
Client Sample ID :	P001-SS003-1218-01DL	Dilution Factor :	2
Date & Time Acquired ::	2018-12-19 14:49:30	DataFile Name :	024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	24.46	24.08	24.26	24.27	0.78	ppb
Zirconium	91-1	24.69	23.86	23.18	23.91	3.15	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV91	Instrumnet Name :	P8
Client Sample ID :	CCV91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:52:49	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56515.02	50106.99	51124.94	52582.32	6.55	ppb
Antimony	121-1	513.38	514.00	545.48	524.29	3.50	ppb
Arsenic	75-2	553.21	507.29	500.56	520.35	5.51	ppb
Barium	135-1	2569.60	2527.86	2699.05	2598.84	3.43	ppb
Barium	137-1	2560.13	2551.06	2653.58	2588.26	2.19	ppb
Beryllium	9-1	555.34	557.73	567.11	560.06	1.11	ppb
Bismuth	209-1				94		%
Bismuth	209-2				90		%
Boron	10-1	549.32	561.03	579.90	563.42	2.74	ppb
Boron	11-1	553.16	565.97	580.21	566.44	2.39	ppb
Cadmium	111-1	487.44	480.00	506.62	491.35	2.80	ppb
Cadmium	106-1	510.29	502.95	522.86	512.04	1.97	ppb
Cadmium	108-1	495.22	484.86	521.73	500.60	3.80	ppb
Calcium	43-1	239018.00	239413.51	246983.16	241804.89	1.86	ppb
Calcium	44-1	237803.26	241353.25	250029.81	243062.11	2.59	ppb
Chromium	52-2	569.68	503.02	509.34	527.35	6.98	ppb
Cobalt	59-2	544.74	479.81	490.38	504.98	6.90	ppb
Copper	63-2	1069.13	944.76	950.90	988.26	7.09	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				101		%
Holmium	165-2				99		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	137242.22	121605.83	124083.42	127643.82	6.58	ppb
Iron	57-2	140841.55	124419.87	126034.56	130432.00	6.94	ppb
Krypton	83-1						cps
Lead	206-1	497.80	499.32	527.69	508.27	3.31	ppb
Lead	207-1	497.49	496.72	522.26	505.49	2.87	ppb
Lead	208-1	503.37	504.30	529.90	512.52	2.94	ppb
Lithium	6-1				77		%
Magnesium	24-2	289400.34	257929.31	259640.04	268989.90	6.58	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV91	Instrumnet Name :	P8
Client Sample ID :	CCV91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:52:49	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1107.31	974.00	985.15	1022.15	7.24	ppb
Molybdenum	94-1	2516.18	2524.02	2630.87	2557.02	2.51	ppb
Molybdenum	95-1	2499.20	2505.98	2612.62	2539.27	2.51	ppb
Molybdenum	96-1	2505.78	2528.45	2623.97	2552.73	2.46	ppb
Molybdenum	97-1	2506.23	2539.02	2617.47	2554.24	2.24	ppb
Molybdenum	98-1	2493.19	2512.14	2601.24	2535.52	2.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	552.10	489.95	499.76	513.94	6.50	ppb
Phosphorus	31-2	11234.55	9968.10	11000.86	10734.50	6.28	ppb
Potassium	39-2	135541.33	120597.39	122235.49	126124.73	6.50	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	77-2	596.96	537.28	501.34	545.19	8.86	ppb
Selenium	78-2	532.89	490.91	468.00	497.27	6.62	ppb
Selenium	82-1	493.19	500.21	511.44	501.61	1.84	ppb
Silicon	28-1	549.32	563.25	570.84	561.14	1.94	ppb
Silver	109-1	503.55	495.33	527.65	508.84	3.30	ppb
Silver	107-1	502.08	498.21	528.46	509.59	3.23	ppb
Sodium	23-2	336289.02	299899.65	306402.84	314197.17	6.18	ppb
Strontium	86-1	494.03	492.19	508.02	498.08	1.74	ppb
Strontium	88-1	497.89	507.41	517.73	507.68	1.95	ppb
Sulfur	34-1	11430.02	11689.46	12561.57	11893.68	4.98	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	501.16	505.74	522.58	509.83	2.21	ppb
Thallium	205-1	502.48	509.36	535.24	515.69	3.35	ppb
Tin	118-1	518.42	512.67	540.87	523.99	2.84	ppb
Titanium	47-1	2541.77	2539.31	2608.06	2563.05	1.52	ppb
Uranium	238-1	495.68	497.30	514.75	502.58	2.10	ppb
Vanadium	51-2	556.54	491.76	503.11	517.14	6.69	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	1075.69	943.54	965.12	994.78	7.13	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV91	Instrumnet Name :	P8
Client Sample ID :	CCV91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:52:49	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	502.58	514.66	532.56	516.60	2.92	ppb
Zirconium	91-1	487.22	496.84	518.10	500.72	3.16	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB91	Instrumnet Name :	P8
Client Sample ID :	CCB91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:56:01	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.88	1.62	-1.32	-0.19		ppb
Antimony	121-1	0.24	0.29	0.29	0.27	11.32	ppb
Arsenic	75-2	0.15	0.14	0.11	0.13	16.62	ppb
Barium	135-1	0.01	0.00	0.02	0.01	151.51	ppb
Barium	137-1	0.04	0.00	0.00	0.01	166.26	ppb
Beryllium	9-1	0.05	0.03	0.07	0.05	38.68	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Boron	10-1	12.29	11.96	11.27	11.84	4.37	ppb
Boron	11-1	12.79	11.69	10.52	11.67	9.72	ppb
Cadmium	111-1	-0.09	-0.06	-0.24	-0.13		ppb
Cadmium	106-1	-1.63	-0.92	-3.34	-1.96		ppb
Cadmium	108-1	0.02	0.02	0.15	0.07	114.53	ppb
Calcium	43-1	2.38	1.83	3.76	2.66	37.33	ppb
Calcium	44-1	87.66	103.85	117.16	102.89	14.36	ppb
Chromium	52-2	0.03	0.04	0.02	0.03	24.34	ppb
Cobalt	59-2	-0.02	-0.03	-0.02	-0.02		ppb
Copper	63-2	0.04	0.02	0.08	0.04	68.42	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				106		%
Holmium	165-2				102		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	0.42	0.07	0.53	0.34	71.19	ppb
Iron	57-2	0.59	-1.04	0.38	-0.03		ppb
Krypton	83-1						cps
Lead	206-1	0.21	0.20	0.18	0.19	8.87	ppb
Lead	207-1	0.17	0.17	0.17	0.17	0.68	ppb
Lead	208-1	0.20	0.19	0.18	0.19	6.15	ppb
Lithium	6-1				84		%
Magnesium	24-2	-1.70	-1.02	-1.79	-1.50		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB91	Instrumnet Name :	P8
Client Sample ID :	CCB91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:56:01	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.06	-0.01	-0.02	-0.03		ppb
Molybdenum	94-1	0.19	0.17	0.11	0.15	27.73	ppb
Molybdenum	95-1	0.16	0.13	0.16	0.15	10.29	ppb
Molybdenum	96-1	0.15	0.15	0.15	0.15	2.65	ppb
Molybdenum	97-1	0.20	0.17	0.18	0.18	10.34	ppb
Molybdenum	98-1	0.17	0.19	0.18	0.18	5.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.01	0.01	0.01	23.86	ppb
Phosphorus	31-2	-44.37	-44.20	-31.99	-40.19		ppb
Potassium	39-2	36.87	21.31	30.26	29.48	26.51	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				106		%
Scandium	45-2				101		%
Selenium	77-2	0.00	0.00	6.37	2.12	173.21	ppb
Selenium	78-2	0.80	-0.22	0.29	0.29	175.41	ppb
Selenium	82-1	0.44	0.87	0.45	0.59	41.85	ppb
Silicon	28-1	-13.82	-15.42	-14.45	-14.56		ppb
Silver	109-1	0.03	0.04	0.04	0.04	18.90	ppb
Silver	107-1	0.04	0.04	0.04	0.04	5.30	ppb
Sodium	23-2	144.96	140.22	144.72	143.30	1.86	ppb
Strontium	86-1	-0.04	-0.06	0.03	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	123.07	ppb
Sulfur	34-1	-2692.72	-2974.76	-2688.63	-2785.37		ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	0.09	0.06	0.08	0.07	24.31	ppb
Thallium	205-1	0.07	0.08	0.06	0.07	15.83	ppb
Tin	118-1	0.06	0.07	0.05	0.06	20.27	ppb
Titanium	47-1	-0.02	0.00	0.01	0.00		ppb
Uranium	238-1	0.00	0.01	0.00	0.01	19.81	ppb
Vanadium	51-2	-0.02	0.01	-0.01	-0.01		ppb
Yttrium	89-1				106		%
Yttrium	89-2				102		%
Zinc	66-2	0.03	0.20	-0.08	0.05	268.43	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB91	Instrumnet Name :	P8
Client Sample ID :	CCB91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:56:01	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.02	0.01	0.01	0.02	56.01	ppb
Zirconium	91-1	0.02	0.02	0.01	0.01	50.10	ppb

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : J6379-04DL2X5 Instrumnet Name : P8
 Client Sample ID : P001-SS003-1218-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-19 16:12:14 DataFile Name : 027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22745.25	23147.48	23231.11	23041.28	1.13	ppb
Antimony	121-1	0.09	0.09	0.13	0.10	24.28	ppb
Arsenic	75-2	12.60	12.53	12.17	12.43	1.87	ppb
Barium	135-1	164.40	166.53	163.63	164.85	0.91	ppb
Barium	137-1	165.23	166.50	163.52	165.08	0.91	ppb
Beryllium	9-1	1.18	1.23	1.27	1.23	3.95	ppb
Bismuth	209-1				98		%
Bismuth	209-2				91		%
Boron	10-1	4.58	4.08	5.22	4.63	12.39	ppb
Boron	11-1	4.22	4.24	4.04	4.17	2.65	ppb
Cadmium	111-1	0.36	0.44	0.32	0.37	15.89	ppb
Cadmium	106-1	2.02	3.24	2.10	2.45	27.74	ppb
Cadmium	108-1	1.48	1.04	1.20	1.24	17.80	ppb
Calcium	43-1	13973.93	13763.43	13602.13	13779.83	1.35	ppb
Calcium	44-1	14243.56	13874.98	13808.00	13975.52	1.68	ppb
Chromium	52-2	45.71	47.35	47.73	46.93	2.29	ppb
Cobalt	59-2	22.02	22.76	22.69	22.49	1.82	ppb
Copper	63-2	60.09	60.76	61.57	60.81	1.22	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				100		%
Holmium	165-2				95		%
Indium	115-1				99		%
Indium	115-2				92		%
Iron	56-2	61948.31	62627.48	62742.40	62439.40	0.69	ppb
Iron	57-2	61494.79	62413.57	62498.62	62135.66	0.90	ppb
Krypton	83-1						cps
Lead	206-1	437.23	435.59	427.15	433.32	1.25	ppb
Lead	207-1	408.41	397.30	395.26	400.33	1.77	ppb
Lead	208-1	428.92	421.00	415.78	421.90	1.57	ppb
Lithium	6-1				83		%
Magnesium	24-2	14569.55	15044.07	15181.98	14931.87	2.15	ppb

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : J6379-04DL2X5 Instrumnet Name : P8
 Client Sample ID : P001-SS003-1218-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-19 16:12:14 DataFile Name : 027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	1330.12	1347.65	1357.62	1345.13	1.03	ppb
Molybdenum	94-1	17.20	17.26	17.26	17.24	0.20	ppb
Molybdenum	95-1	0.89	0.92	0.97	0.93	4.07	ppb
Molybdenum	96-1	3.08	2.83	2.98	2.96	4.34	ppb
Molybdenum	97-1	0.83	0.74	0.90	0.82	9.39	ppb
Molybdenum	98-1	0.83	0.91	0.91	0.88	4.91	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	50.64	52.46	52.30	51.80	1.95	ppb
Phosphorus	31-2	1015.55	1018.00	1232.73	1088.76	11.45	ppb
Potassium	39-2	1773.92	1790.81	1832.76	1799.16	1.68	ppb
Rhodium	103-1				98		%
Rhodium	103-2				94		%
Scandium	45-1				103		%
Scandium	45-2				94		%
Selenium	77-2	49.02	37.19	51.59	45.93	16.71	ppb
Selenium	78-2	13.02	9.67	11.80	11.49	14.78	ppb
Selenium	82-1	1.52	0.92	0.84	1.10	33.79	ppb
Silicon	28-1	1178.41	1130.07	1133.37	1147.28	2.35	ppb
Silver	109-1	0.08	0.08	0.06	0.07	19.35	ppb
Silver	107-1	0.09	0.10	0.08	0.09	10.14	ppb
Sodium	23-2	105.47	107.46	113.19	108.71	3.68	ppb
Strontium	86-1	46.29	46.22	45.02	45.84	1.55	ppb
Strontium	88-1	46.79	46.30	45.71	46.27	1.17	ppb
Sulfur	34-1	-2266.36	-3288.72	-3639.61	-3064.90		ppb
Terbium	159-1				100		%
Terbium	159-2				94		%
Thallium	203-1	0.09	0.09	0.08	0.09	7.21	ppb
Thallium	205-1	0.09	0.10	0.09	0.09	7.15	ppb
Tin	118-1	0.15	0.13	0.15	0.15	7.08	ppb
Titanium	47-1	36.55	37.23	35.73	36.50	2.06	ppb
Uranium	238-1	0.57	0.67	0.61	0.62	8.68	ppb
Vanadium	51-2	31.54	32.01	32.71	32.09	1.85	ppb
Yttrium	89-1				106		%
Yttrium	89-2				99		%
Zinc	66-2	285.19	290.93	288.77	288.29	1.01	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	J6379-04DL2X5	Instrumnet Name :	P8
Client Sample ID :	P001-SS003-1218-01DL1	Dilution Factor :	5
Date & Time Acquired ::	2018-12-19 16:12:14	DataFile Name :	027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	11.41	11.26	10.97	11.21	2.02	ppb
Zirconium	91-1	10.76	11.30	10.21	10.76	5.06	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV92	Instrumnet Name :	P8
Client Sample ID :	CCV92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:15:36	DataFile Name :	028CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52095.85	50018.80	50830.65	50981.77	2.05	ppb
Antimony	121-1	508.67	513.44	551.48	524.53	4.47	ppb
Arsenic	75-2	500.87	492.88	500.17	497.97	0.89	ppb
Barium	135-1	2539.40	2529.45	2753.84	2607.56	4.86	ppb
Barium	137-1	2521.85	2508.60	2732.74	2587.73	4.86	ppb
Beryllium	9-1	544.93	540.90	568.78	551.54	2.73	ppb
Bismuth	209-1				93		%
Bismuth	209-2				92		%
Boron	10-1	548.20	546.13	600.68	565.00	5.47	ppb
Boron	11-1	544.15	542.96	587.59	558.23	4.56	ppb
Cadmium	111-1	482.62	485.54	514.87	494.34	3.61	ppb
Cadmium	106-1	494.15	492.28	533.35	506.59	4.58	ppb
Cadmium	108-1	488.42	495.33	513.56	499.10	2.60	ppb
Calcium	43-1	231553.67	234738.39	252513.88	239601.98	4.71	ppb
Calcium	44-1	232201.14	236577.78	253931.67	240903.53	4.77	ppb
Chromium	52-2	521.47	501.06	511.17	511.24	2.00	ppb
Cobalt	59-2	493.45	479.41	484.93	485.93	1.46	ppb
Copper	63-2	979.43	927.77	955.21	954.14	2.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	56-2	125657.92	120488.42	123194.85	123113.73	2.10	ppb
Iron	57-2	127680.44	123292.80	126147.30	125706.85	1.77	ppb
Krypton	83-1						cps
Lead	206-1	489.05	492.79	538.20	506.68	5.40	ppb
Lead	207-1	484.62	486.75	526.82	499.40	4.76	ppb
Lead	208-1	497.29	491.93	535.82	508.35	4.71	ppb
Lithium	6-1				79		%
Magnesium	24-2	266667.57	257195.57	261418.40	261760.51	1.81	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV92	Instrumnet Name :	P8
Client Sample ID :	CCV92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:15:36	DataFile Name :	028CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	998.48	964.62	985.57	982.89	1.74	ppb
Molybdenum	94-1	2456.40	2456.49	2670.18	2527.69	4.88	ppb
Molybdenum	95-1	2453.01	2458.92	2677.74	2529.89	5.06	ppb
Molybdenum	96-1	2451.09	2476.70	2662.94	2530.25	4.57	ppb
Molybdenum	97-1	2464.32	2460.93	2652.27	2525.84	4.34	ppb
Molybdenum	98-1	2456.87	2444.99	2648.90	2516.92	4.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	508.93	491.50	495.34	498.59	1.84	ppb
Phosphorus	31-2	10671.05	10450.60	9877.24	10332.96	3.97	ppb
Potassium	39-2	125719.69	119225.60	123381.48	122775.59	2.68	ppb
Rhodium	103-1				94		%
Rhodium	103-2				97		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	77-2	481.14	461.74	552.27	498.38	9.56	ppb
Selenium	78-2	494.47	480.69	516.00	497.05	3.58	ppb
Selenium	82-1	488.43	484.80	526.49	499.91	4.62	ppb
Silicon	28-1	527.52	549.63	600.95	559.37	6.73	ppb
Silver	109-1	496.03	494.09	530.21	506.78	4.01	ppb
Silver	107-1	497.00	496.69	532.83	508.84	4.08	ppb
Sodium	23-2	310853.24	299885.30	307776.82	306171.78	1.85	ppb
Strontium	86-1	484.07	480.45	516.69	493.74	4.04	ppb
Strontium	88-1	494.95	489.86	531.96	505.59	4.55	ppb
Sulfur	34-1	11632.52	12253.91	15455.27	13113.90	15.64	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	497.16	498.14	534.18	509.83	4.14	ppb
Thallium	205-1	496.91	506.68	550.01	517.87	5.46	ppb
Tin	118-1	513.47	510.88	554.14	526.16	4.61	ppb
Titanium	47-1	2470.12	2542.74	2672.97	2561.95	4.01	ppb
Uranium	238-1	484.95	491.37	512.68	496.33	2.92	ppb
Vanadium	51-2	512.76	489.94	499.91	500.87	2.28	ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	975.96	937.50	953.97	955.81	2.02	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV92	Instrumnet Name :	P8
Client Sample ID :	CCV92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:15:36	DataFile Name :	028CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	499.72	500.74	539.87	513.45	4.46	ppb
Zirconium	91-1	485.01	488.11	522.29	498.47	4.15	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB92	Instrumnet Name :	P8
Client Sample ID :	CCB92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:18:49	DataFile Name :	029CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3.35	-0.53	-1.82	0.33	811.47	ppb
Antimony	121-1	0.23	0.22	0.29	0.25	15.86	ppb
Arsenic	75-2	0.01	0.03	0.07	0.04	76.98	ppb
Barium	135-1	-0.02	0.00	0.02	0.00		ppb
Barium	137-1	0.00	0.00	0.07	0.02	174.88	ppb
Beryllium	9-1	0.04	0.02	0.05	0.03	46.19	ppb
Bismuth	209-1				91		%
Bismuth	209-2				92		%
Boron	10-1	10.21	9.33	10.46	10.00	5.92	ppb
Boron	11-1	10.12	9.12	9.51	9.58	5.28	ppb
Cadmium	111-1	0.07	0.02	-0.01	0.03	135.74	ppb
Cadmium	106-1	1.04	0.10	-0.39	0.25	290.29	ppb
Cadmium	108-1	0.17	0.07	0.04	0.10	72.72	ppb
Calcium	43-1	1.08	5.76	9.81	5.55	78.72	ppb
Calcium	44-1	126.23	101.03	160.52	129.26	23.10	ppb
Chromium	52-2	0.20	0.13	0.11	0.15	30.71	ppb
Cobalt	59-2	-0.02	-0.02	-0.03	-0.02		ppb
Copper	63-2	0.06	0.03	-0.01	0.03	134.88	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				95		%
Holmium	165-2				96		%
Indium	115-1				94		%
Indium	115-2				96		%
Iron	56-2	0.63	0.05	-0.43	0.08	651.51	ppb
Iron	57-2	2.40	1.31	-0.50	1.07	137.14	ppb
Krypton	83-1						cps
Lead	206-1	0.11	0.09	0.11	0.10	11.71	ppb
Lead	207-1	0.11	0.13	0.12	0.12	11.05	ppb
Lead	208-1	0.12	0.12	0.12	0.12	1.49	ppb
Lithium	6-1				75		%
Magnesium	24-2	2.03	-2.69	-0.88	-0.51		ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB92	Instrumnet Name :	P8
Client Sample ID :	CCB92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:18:49	DataFile Name :	029CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Manganese	55-2	-0.03	-0.01	-0.10	-0.05		ppb
Molybdenum	94-1	0.14	0.13	0.27	0.18	42.76	ppb
Molybdenum	95-1	0.14	0.14	0.18	0.15	16.63	ppb
Molybdenum	96-1	0.14	0.18	0.24	0.18	26.89	ppb
Molybdenum	97-1	0.16	0.16	0.15	0.16	3.80	ppb
Molybdenum	98-1	0.19	0.13	0.20	0.17	21.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.02	0.01	-0.01		ppb
Phosphorus	31-2	-28.34	-19.29	-44.29	-30.64		ppb
Potassium	39-2	59.23	27.62	31.36	39.40	43.83	ppb
Rhodium	103-1				95		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	77-2	0.00	3.24	0.00	1.08	173.21	ppb
Selenium	78-2	-0.14	-0.74	0.32	-0.19		ppb
Selenium	82-1	0.31	0.53	-0.27	0.19	215.59	ppb
Silicon	28-1	-8.02	-12.69	-3.17	-7.96		ppb
Silver	109-1	0.04	0.04	0.04	0.04	3.39	ppb
Silver	107-1	0.05	0.04	0.06	0.05	19.68	ppb
Sodium	23-2	152.81	128.12	115.71	132.21	14.28	ppb
Strontium	86-1	0.08	-0.02	0.09	0.05	115.51	ppb
Strontium	88-1	0.00	0.00	0.01	0.00	362.91	ppb
Sulfur	34-1	-523.23	-1610.02	1030.32	-367.64		ppb
Terbium	159-1				94		%
Terbium	159-2				95		%
Thallium	203-1	0.07	0.07	0.08	0.07	7.50	ppb
Thallium	205-1	0.07	0.06	0.06	0.06	12.82	ppb
Tin	118-1	0.01	0.04	0.05	0.03	68.68	ppb
Titanium	47-1	-0.03	0.06	0.04	0.02	198.82	ppb
Uranium	238-1	0.00	0.00	0.01	0.00	54.24	ppb
Vanadium	51-2	0.01	-0.02	-0.01	0.00		ppb
Yttrium	89-1				96		%
Yttrium	89-2				96		%
Zinc	66-2	0.16	0.02	-0.08	0.03	357.32	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB92	Instrumnet Name :	P8
Client Sample ID :	CCB92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:18:49	DataFile Name :	029CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Zirconium	90-1	0.00	0.03	0.01	0.01	79.03	ppb
Zirconium	91-1	0.01	-0.02	0.04	0.01	452.98	ppb

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:08:14	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	33	45	50	43	21.20	cps
Antimony	121-1	50	42	25	39	32.73	cps
Arsenic	75-2	6	2	2	3	69.39	cps
Barium	135-1	8	50	75	44	75.79	cps
Barium	137-1	42	25	50	39	32.73	cps
Beryllium	9-1	27	23	10	20	44.10	cps
Bismuth	209-1	3069013	3133916	3077807	3093578	1.14	cps
Bismuth	209-2	1756848	1699822	1530786	1662485	7.07	cps
Boron	10-1	83	50	50	61	31.50	cps
Boron	11-1	383	433	425	414	6.47	cps
Cadmium	111-1	1216	1194	1307	1239	4.82	cps
Cadmium	106-1	1742	1700	1867	1770	4.90	cps
Cadmium	108-1	17	0	0	6	173.21	cps
Calcium	43-1	413	410	407	410	0.81	cps
Calcium	44-1	117907	116435	117141	117161	0.63	cps
Chromium	52-2	1293	1273	1220	1262	3.00	cps
Cobalt	59-2	120	133	97	117	15.91	cps
Copper	63-2	210	193	253	219	14.15	cps
Dysprosium	156-1	25	17	0	14	91.65	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	25	17	50	31	56.77	cps
Erbium	164-2	10	3	13	9	57.30	cps
Gadolinium	160-1	50	25	58	44	39.04	cps
Gadolinium	160-2	13	7	20	13	49.99	cps
Holmium	165-1	5064125	5352516	5297808	5238150	2.92	cps
Holmium	165-2	2301303	2242873	2000422	2181533	7.31	cps
Indium	115-1	4986895	5049578	5037412	5024628	0.66	cps
Indium	115-2	441521	425522	384047	417030	7.11	cps
Iron	56-2	3212	3078	3112	3134	2.21	cps
Iron	57-2	44	122	89	85	45.81	cps
Krypton	83-1	587	550	653	597	8.78	cps
Lead	206-1	200	167	139	169	18.16	cps
Lead	207-1	139	111	172	141	21.74	cps
Lead	208-1	644	583	617	615	4.98	cps
Lithium	6-1	2025403	2086176	2012339	2041306	1.93	cps
Magnesium	24-2	333	317	367	339	7.51	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:08:14	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	90	70	70	77	15.06	cps
Molybdenum	94-1	175	150	183	169	10.24	cps
Molybdenum	95-1	42	8	17	22	78.07	cps
Molybdenum	96-1	50	83	58	64	27.15	cps
Molybdenum	97-1	125	67	100	97	30.10	cps
Molybdenum	98-1	25	17	50	31	56.77	cps
Neodymium	150-1	7	0	20	9	114.55	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	77	57	60	64	16.63	cps
Phosphorus	31-2	8	8	8	8	0.00	cps
Potassium	39-2	5343	5034	4793	5057	5.45	cps
Rhodium	103-1	5096559	5316835	5227369	5213588	2.12	cps
Rhodium	103-2	2291624	2235055	2040942	2189207	6.01	cps
Scandium	45-1	4325567	4530980	4390961	4415836	2.38	cps
Scandium	45-2	60704	57420	51967	56697	7.78	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	2	0	6	2	114.63	cps
Selenium	82-1	-61	18	-163	-69	-132.22	cps
Silicon	28-1	389352	391695	393016	391354	0.47	cps
Silver	109-1	42	17	42	33	43.30	cps
Silver	107-1	75	92	100	89	14.32	cps
Sodium	23-2	8953	8778	8019	8584	5.78	cps
Strontium	86-1	917	925	825	889	6.24	cps
Strontium	88-1	158	142	100	133	22.53	cps
Sulfur	34-1	592000	593520	595769	593763	0.32	cps
Terbium	159-1	5380090	5577998	5451910	5470000	1.83	cps
Terbium	159-2	2288414	2197836	1985667	2157305	7.20	cps
Thallium	203-1	8	8	8	8	0.00	cps
Thallium	205-1	67	58	42	56	22.91	cps
Tin	118-1	350	258	350	319	16.57	cps
Titanium	47-1	167	158	200	175	12.60	cps
Uranium	238-1	17	33	8	19	65.48	cps
Vanadium	51-2	13	20	7	13	49.99	cps
Yttrium	89-1	5873605	6002990	5916991	5931196	1.11	cps
Yttrium	89-2	352176	338418	306505	332366	7.05	cps
Zinc	66-2	187	153	160	167	10.58	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:08:14	DataFile Name :	004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	367	500	400	422	16.43	cps
Zirconium	91-1	92	50	108	83	36.06	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:15:40	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	233	220	195	216	8.85	cps
Antimony	121-1	8995	9387	9345	9243	2.33	cps
Arsenic	75-2	115	91	117	107	13.47	cps
Barium	135-1	9496	9537	10747	9926	7.16	cps
Barium	137-1	15777	17562	16836	16725	5.37	cps
Beryllium	9-1	1357	1430	1543	1443	6.52	cps
Bismuth	209-1	3142419	3092338	3118860	3117872	0.80	cps
Bismuth	209-2	1714297	1655323	1703925	1691181	1.86	cps
Boron	10-1	4251	4926	4784	4654	7.65	cps
Boron	11-1	21767	21851	22735	22118	2.43	cps
Cadmium	111-1	2403	2335	2379	2373	1.45	cps
Cadmium	106-1	1900	1709	1784	1797	5.37	cps
Cadmium	108-1	104	117	75	99	21.68	cps
Calcium	43-1	8736	8866	9403	9002	3.93	cps
Calcium	44-1	249465	255620	256843	253976	1.56	cps
Chromium	52-2	3084	3437	3184	3235	5.63	cps
Cobalt	59-2	1980	2054	2200	2078	5.39	cps
Copper	63-2	3801	3647	3831	3759	2.62	cps
Dysprosium	156-1	17	17	25	19	24.73	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	25	25	25	25	0.00	cps
Erbium	164-2	10	7	10	9	21.63	cps
Gadolinium	160-1	50	58	67	58	14.29	cps
Gadolinium	160-2	20	20	10	17	34.64	cps
Holmium	165-1	5285738	5244302	5336161	5288734	0.87	cps
Holmium	165-2	2246364	2190348	2199702	2212138	1.36	cps
Indium	115-1	5077549	4993737	5085378	5052221	1.01	cps
Indium	115-2	434831	422175	421012	426006	1.80	cps
Iron	56-2	41618	41936	42175	41910	0.67	cps
Iron	57-2	983	1228	1150	1120	11.15	cps
Krypton	83-1	700	593	673	656	8.47	cps
Lead	206-1	2650	2506	2645	2600	3.15	cps
Lead	207-1	2222	2373	2250	2282	3.50	cps
Lead	208-1	10107	10369	10319	10265	1.35	cps
Lithium	6-1	1998578	2046187	2088261	2044342	2.19	cps
Magnesium	24-2	21776	20841	22135	21584	3.09	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:15:40	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	377	443	400	407	8.32	cps
Molybdenum	94-1	9562	10705	10179	10149	5.64	cps
Molybdenum	95-1	11614	12465	13816	12631	8.79	cps
Molybdenum	96-1	13249	13908	14600	13919	4.86	cps
Molybdenum	97-1	7586	7569	8245	7800	4.94	cps
Molybdenum	98-1	19231	19181	20408	19607	3.54	cps
Neodymium	150-1	7	20	13	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	720	690	830	747	9.87	cps
Phosphorus	31-2	58	83	67	69	18.33	cps
Potassium	39-2	17053	16944	16869	16955	0.54	cps
Rhodium	103-1	5244847	5202379	5256280	5234502	0.54	cps
Rhodium	103-2	2311820	2187973	2219064	2239619	2.88	cps
Scandium	45-1	4522012	4471259	4525081	4506117	0.67	cps
Scandium	45-2	59556	56868	57460	57961	2.44	cps
Selenium	77-2	3	10	7	7	50.03	cps
Selenium	78-2	13	22	19	18	26.04	cps
Selenium	82-1	273	342	280	298	12.86	cps
Silicon	28-1	432741	433844	433933	433506	0.15	cps
Silver	109-1	5635	5626	5943	5735	3.15	cps
Silver	107-1	5543	6077	5968	5863	4.81	cps
Sodium	23-2	55149	54255	55526	54977	1.19	cps
Strontium	86-1	2459	2325	2484	2423	3.51	cps
Strontium	88-1	12998	13299	13182	13160	1.15	cps
Sulfur	34-1	594972	601515	601541	599343	0.63	cps
Terbium	159-1	5461620	5432256	5516127	5470001	0.78	cps
Terbium	159-2	2203912	2164884	2145352	2171383	1.37	cps
Thallium	203-1	2725	2750	3217	2898	9.56	cps
Thallium	205-1	6669	6894	6844	6802	1.74	cps
Tin	118-1	18038	18388	19023	18483	2.70	cps
Titanium	47-1	4426	4759	4868	4684	4.92	cps
Uranium	238-1	8061	8603	9162	8609	6.39	cps
Vanadium	51-2	3974	3951	3584	3836	5.70	cps
Yttrium	89-1	5989562	5879940	6045234	5971579	1.41	cps
Yttrium	89-2	346826	334824	335550	339067	1.98	cps
Zinc	66-2	473	567	453	498	12.15	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:15:40	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	8044	8478	8361	8295	2.70	cps
Zirconium	91-1	1884	1959	1884	1909	2.27	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:19:26	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10301	10241	9941	10161	1.90	cps
Antimony	121-1	267783	263532	266007	265774	0.80	cps
Arsenic	75-2	6085	6277	5783	6048	4.12	cps
Barium	135-1	269902	261789	270112	267267	1.78	cps
Barium	137-1	470656	465449	460783	465629	1.06	cps
Beryllium	9-1	80879	78881	78546	79436	1.59	cps
Bismuth	209-1	3148735	3122316	3347527	3206193	3.84	cps
Bismuth	209-2	1733128	1534048	1629997	1632391	6.10	cps
Boron	10-1	10079	10162	10696	10312	3.25	cps
Boron	11-1	49102	49612	49110	49275	0.59	cps
Cadmium	111-1	66314	66101	66083	66166	0.19	cps
Cadmium	106-1	9053	9129	8678	8953	2.70	cps
Cadmium	108-1	4818	4551	4526	4631	3.49	cps
Calcium	43-1	98984	97404	97236	97875	0.99	cps
Calcium	44-1	1702952	1685237	1710657	1699615	0.77	cps
Chromium	52-2	59673	59231	56022	58309	3.42	cps
Cobalt	59-2	113649	114452	105963	111355	4.21	cps
Copper	63-2	193703	195552	184270	191175	3.17	cps
Dysprosium	156-1	17	25	25	22	21.64	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	33	17	50	33	49.99	cps
Erbium	164-2	7	10	7	8	24.71	cps
Gadolinium	160-1	75	75	17	56	60.62	cps
Gadolinium	160-2	3	7	27	12	103.26	cps
Holmium	165-1	5325871	5301108	5716603	5447861	4.28	cps
Holmium	165-2	2271920	2031183	2167804	2156969	5.60	cps
Indium	115-1	5070531	5002861	5380848	5151414	3.91	cps
Indium	115-2	436239	392669	414400	414436	5.26	cps
Iron	56-2	2077758	2114728	1996658	2063048	2.93	cps
Iron	57-2	51524	52382	49516	51141	2.88	cps
Krypton	83-1	603	573	543	573	5.23	cps
Lead	206-1	137437	136601	135001	136346	0.91	cps
Lead	207-1	125268	120204	121427	122300	2.16	cps
Lead	208-1	563391	550340	552108	555279	1.28	cps
Lithium	6-1	2046555	2008981	2182890	2079475	4.40	cps
Magnesium	24-2	240185	241956	228722	236955	3.03	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:19:26	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	35870	36725	34092	35562	3.78	cps
Molybdenum	94-1	553287	546074	547494	548952	0.70	cps
Molybdenum	95-1	675342	662215	667216	668258	0.99	cps
Molybdenum	96-1	754489	741582	745033	747034	0.89	cps
Molybdenum	97-1	420646	407352	415351	414450	1.61	cps
Molybdenum	98-1	1063126	1051835	1054776	1056579	0.55	cps
Neodymium	150-1	20	13	7	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	34149	33958	32715	33607	2.32	cps
Phosphorus	31-2	908	692	725	775	15.05	cps
Potassium	39-2	72395	72579	68232	71069	3.46	cps
Rhodium	103-1	5211047	5107391	5559442	5292627	4.47	cps
Rhodium	103-2	2291542	2079170	2169451	2180054	4.89	cps
Scandium	45-1	4529267	4468079	4846505	4614617	4.40	cps
Scandium	45-2	59415	52678	55409	55834	6.07	cps
Selenium	77-2	63	43	20	42	51.37	cps
Selenium	78-2	165	185	165	172	6.85	cps
Selenium	82-1	4698	4836	4579	4704	2.74	cps
Silicon	28-1	663937	656124	658217	659426	0.61	cps
Silver	109-1	306145	298708	302596	302483	1.23	cps
Silver	107-1	329418	323232	324678	325776	0.99	cps
Sodium	23-2	532968	535828	509876	526224	2.70	cps
Strontium	86-1	88973	87598	88436	88335	0.78	cps
Strontium	88-1	747039	736105	742845	741996	0.74	cps
Sulfur	34-1	644004	647732	639596	643777	0.63	cps
Terbium	159-1	5538597	5523195	5941945	5667912	4.19	cps
Terbium	159-2	2230852	2045150	2155894	2143965	4.36	cps
Thallium	203-1	167871	166302	167755	167309	0.52	cps
Thallium	205-1	400893	394363	397562	397606	0.82	cps
Tin	118-1	198708	193153	193965	195275	1.54	cps
Titanium	47-1	238754	237778	237484	238005	0.28	cps
Uranium	238-1	504227	502449	510668	505782	0.85	cps
Vanadium	51-2	41237	40977	39108	40441	2.87	cps
Yttrium	89-1	6064177	5899225	6406433	6123278	4.23	cps
Yttrium	89-2	344760	313388	325543	327897	4.82	cps
Zinc	66-2	19861	19541	18776	19393	2.87	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:19:26	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	470761	460423	465968	465717	1.11	cps
Zirconium	91-1	104097	102383	101268	102583	1.39	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:23:12	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	26366	26293	27075	26578	1.62	cps
Antimony	121-1	694021	702853	693204	696693	0.77	cps
Arsenic	75-2	16072	16234	16015	16107	0.70	cps
Barium	135-1	700371	707292	695128	700930	0.87	cps
Barium	137-1	1231874	1214093	1216384	1220784	0.79	cps
Beryllium	9-1	201490	202560	197648	200566	1.29	cps
Bismuth	209-1	3318087	3257159	3180315	3251853	2.12	cps
Bismuth	209-2	1700316	1602592	1565635	1622848	4.29	cps
Boron	10-1	25849	25908	25298	25685	1.31	cps
Boron	11-1	125866	127454	127194	126838	0.67	cps
Cadmium	111-1	169794	170787	168092	169558	0.80	cps
Cadmium	106-1	20158	20157	19398	19904	2.20	cps
Cadmium	108-1	12172	12531	12189	12298	1.65	cps
Calcium	43-1	253964	252529	248911	251801	1.03	cps
Calcium	44-1	4168027	4145545	4053298	4122290	1.47	cps
Chromium	52-2	147797	150796	150320	149638	1.08	cps
Cobalt	59-2	292230	290085	289893	290736	0.45	cps
Copper	63-2	494139	497904	495542	495862	0.38	cps
Dysprosium	156-1	58	33	17	36	58.08	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	42	33	58	44	28.65	cps
Erbium	164-2	3	3	3	3	0.00	cps
Gadolinium	160-1	58	58	42	53	18.23	cps
Gadolinium	160-2	7	13	7	9	43.25	cps
Holmium	165-1	5576324	5549153	5485363	5536946	0.84	cps
Holmium	165-2	2256291	2119537	2067974	2147934	4.53	cps
Indium	115-1	5262597	5238809	5173904	5225103	0.88	cps
Indium	115-2	431076	397534	394875	407828	4.95	cps
Iron	56-2	5349546	5317870	5320585	5329334	0.33	cps
Iron	57-2	133814	130085	132664	132188	1.44	cps
Krypton	83-1	593	557	630	593	6.18	cps
Lead	206-1	350905	354399	344545	349950	1.43	cps
Lead	207-1	317145	323137	316228	318837	1.18	cps
Lead	208-1	1437286	1451012	1419979	1436092	1.08	cps
Lithium	6-1	2063485	2058481	2009775	2043914	1.45	cps
Magnesium	24-2	614427	615202	614423	614684	0.07	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:23:12	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	91638	90085	92151	91291	1.18	cps
Molybdenum	94-1	1458855	1442990	1432296	1444714	0.92	cps
Molybdenum	95-1	1771852	1754816	1761327	1762665	0.49	cps
Molybdenum	96-1	1985681	1985530	1975008	1982073	0.31	cps
Molybdenum	97-1	1081226	1085767	1068976	1078656	0.81	cps
Molybdenum	98-1	2818776	2811566	2768996	2799779	0.96	cps
Neodymium	150-1	33	60	33	42	36.47	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	86718	87637	88422	87592	0.97	cps
Phosphorus	31-2	1892	1892	1734	1839	4.97	cps
Potassium	39-2	177379	175935	175759	176358	0.50	cps
Rhodium	103-1	5466045	5453500	5406967	5442171	0.57	cps
Rhodium	103-2	2207068	2071135	2055695	2111299	3.95	cps
Scandium	45-1	4739865	4708037	4577247	4675049	1.84	cps
Scandium	45-2	58682	52967	52649	54766	6.20	cps
Selenium	77-2	113	130	170	138	21.14	cps
Selenium	78-2	483	500	506	496	2.33	cps
Selenium	82-1	12066	11913	11976	11985	0.64	cps
Silicon	28-1	1016408	1031499	1010815	1019574	1.05	cps
Silver	109-1	790925	800163	785557	792215	0.93	cps
Silver	107-1	847936	849785	844188	847303	0.34	cps
Sodium	23-2	1371797	1374327	1350610	1365578	0.95	cps
Strontium	86-1	229683	229714	230406	229934	0.18	cps
Strontium	88-1	1948639	1967623	1954013	1956758	0.50	cps
Sulfur	34-1	690454	687586	688433	688824	0.21	cps
Terbium	159-1	5864286	5802246	5634276	5766936	2.06	cps
Terbium	159-2	2240226	2043739	2061670	2115212	5.14	cps
Thallium	203-1	436094	439291	424572	433319	1.79	cps
Thallium	205-1	1029171	1051751	1016146	1032356	1.75	cps
Tin	118-1	505516	512679	507739	508645	0.72	cps
Titanium	47-1	617136	625306	610481	617641	1.20	cps
Uranium	238-1	1325417	1334715	1293501	1317878	1.64	cps
Vanadium	51-2	105026	105591	106252	105623	0.58	cps
Yttrium	89-1	6328820	6249698	6185524	6254681	1.15	cps
Yttrium	89-2	338509	315726	317592	323942	3.90	cps
Zinc	66-2	49903	50318	48956	49726	1.40	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:23:12	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	1219939	1219757	1207942	1215879	0.57	cps
Zirconium	91-1	268218	265372	264615	266069	0.71	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:26:51	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	51618	51596	51473	51562	0.15	cps
Antimony	121-1	1427475	1420392	1394287	1414051	1.24	cps
Arsenic	75-2	31193	31376	31840	31470	1.06	cps
Barium	135-1	1425801	1427716	1405631	1419716	0.86	cps
Barium	137-1	2489058	2487074	2436407	2470846	1.21	cps
Beryllium	9-1	397752	396037	394509	396099	0.41	cps
Bismuth	209-1	3263360	3287091	3463605	3338019	3.28	cps
Bismuth	209-2	1855026	1670208	1823586	1782940	5.55	cps
Boron	10-1	49846	50699	51987	50844	2.12	cps
Boron	11-1	244711	249089	251123	248308	1.32	cps
Cadmium	111-1	343228	341508	340962	341899	0.35	cps
Cadmium	106-1	39192	39024	37696	38637	2.12	cps
Cadmium	108-1	24710	24569	24440	24573	0.55	cps
Calcium	43-1	499460	497969	498303	498577	0.16	cps
Calcium	44-1	8004815	8031743	7965432	8000663	0.42	cps
Chromium	52-2	287887	289299	288887	288691	0.25	cps
Cobalt	59-2	558810	557994	560783	559196	0.26	cps
Copper	63-2	957085	960653	964522	960753	0.39	cps
Dysprosium	156-1	50	33	58	47	26.97	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	42	8	25	25	66.68	cps
Erbium	164-2	13	10	3	9	57.30	cps
Gadolinium	160-1	58	75	67	67	12.49	cps
Gadolinium	160-2	13	7	20	13	49.99	cps
Holmium	165-1	5515435	5613512	5902730	5677226	3.55	cps
Holmium	165-2	2441036	2173281	2445373	2353230	6.62	cps
Indium	115-1	5153346	5219933	5599220	5324167	4.52	cps
Indium	115-2	447382	406184	453485	435684	5.91	cps
Iron	56-2	10177389	10194776	10206438	10192868	0.14	cps
Iron	57-2	255349	254025	256233	255202	0.44	cps
Krypton	83-1	547	617	683	616	11.10	cps
Lead	206-1	701053	707399	697121	701858	0.74	cps
Lead	207-1	636426	650176	634773	640458	1.32	cps
Lead	208-1	2888886	2903265	2870530	2887560	0.57	cps
Lithium	6-1	2037411	2075928	2133571	2082303	2.32	cps
Magnesium	24-2	1202845	1185171	1224216	1204077	1.62	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:26:51	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	177887	177878	178600	178122	0.23	cps
Molybdenum	94-1	2883122	2881184	2809916	2858074	1.46	cps
Molybdenum	95-1	3554129	3549068	3496111	3533103	0.91	cps
Molybdenum	96-1	3978981	3907930	3872629	3919847	1.38	cps
Molybdenum	97-1	2198973	2146158	2136818	2160650	1.55	cps
Molybdenum	98-1	5573883	5482231	5437755	5497956	1.26	cps
Neodymium	150-1	73	27	87	62	50.63	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	169639	166861	170190	168897	1.06	cps
Phosphorus	31-2	3676	3434	3642	3584	3.66	cps
Potassium	39-2	334127	334924	337586	335546	0.54	cps
Rhodium	103-1	5345135	5409410	5651946	5468830	2.96	cps
Rhodium	103-2	2324362	2134854	2366068	2275094	5.42	cps
Scandium	45-1	4580426	4667456	4906500	4718127	3.58	cps
Scandium	45-2	61213	55667	59948	58943	4.93	cps
Selenium	77-2	233	240	257	243	4.94	cps
Selenium	78-2	876	835	870	861	2.57	cps
Selenium	82-1	24153	24109	23719	23994	1.00	cps
Silicon	28-1	1591447	1604098	1602245	1599263	0.43	cps
Silver	109-1	1617121	1612373	1570074	1599856	1.62	cps
Silver	107-1	1726894	1726232	1668355	1707161	1.97	cps
Sodium	23-2	2621967	2622110	2619423	2621167	0.06	cps
Strontium	86-1	456366	452450	451236	453351	0.59	cps
Strontium	88-1	3817489	3848427	3784120	3816678	0.84	cps
Sulfur	34-1	762404	757977	765330	761904	0.49	cps
Terbium	159-1	5797181	5879580	6177745	5951502	3.36	cps
Terbium	159-2	2360443	2155371	2370253	2295356	5.29	cps
Thallium	203-1	871471	890037	873446	878318	1.16	cps
Thallium	205-1	2089694	2135615	2086465	2103925	1.31	cps
Tin	118-1	1039305	1027507	1017072	1027961	1.08	cps
Titanium	47-1	1241013	1216367	1232156	1229845	1.02	cps
Uranium	238-1	2755390	2748595	2728296	2744094	0.51	cps
Vanadium	51-2	206255	205343	207337	206312	0.48	cps
Yttrium	89-1	6181351	6296429	6508856	6328878	2.63	cps
Yttrium	89-2	357320	327289	357693	347434	5.02	cps
Zinc	66-2	95056	95986	97319	96120	1.18	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:26:51	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	2450888	2466689	2397795	2438457	1.48	cps
Zirconium	91-1	535290	534004	522208	530501	1.36	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:30:25	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	100030	99149	100138	99772	0.54	cps
Antimony	121-1	2912298	2851694	2859063	2874352	1.15	cps
Arsenic	75-2	62278	61533	63262	62358	1.39	cps
Barium	135-1	2925324	2813412	2902994	2880577	2.06	cps
Barium	137-1	5043362	4938165	5012959	4998162	1.08	cps
Beryllium	9-1	784364	776320	779306	779997	0.52	cps
Bismuth	209-1	3268738	3347447	3319723	3311969	1.21	cps
Bismuth	209-2	1710071	1667127	1667750	1681649	1.46	cps
Boron	10-1	100533	99259	100811	100201	0.83	cps
Boron	11-1	496122	488776	491742	492213	0.75	cps
Cadmium	111-1	697248	682887	691441	690525	1.05	cps
Cadmium	106-1	74489	75370	75763	75207	0.87	cps
Cadmium	108-1	50281	50720	49399	50134	1.34	cps
Calcium	43-1	1008736	989243	989616	995865	1.12	cps
Calcium	44-1	16042294	15896517	15533839	15824217	1.65	cps
Chromium	52-2	565662	561396	569181	565413	0.69	cps
Cobalt	59-2	1104473	1086340	1111469	1100761	1.18	cps
Copper	63-2	1907264	1900198	1878712	1895392	0.78	cps
Dysprosium	156-1	42	17	75	44	65.84	cps
Dysprosium	156-2	7	13	0	7	99.98	cps
Erbium	164-1	0	25	25	17	86.60	cps
Erbium	164-2	13	3	0	6	124.93	cps
Gadolinium	160-1	58	25	75	53	48.24	cps
Gadolinium	160-2	20	27	3	17	72.13	cps
Holmium	165-1	5687078	5808594	5750562	5748745	1.06	cps
Holmium	165-2	2283322	2244633	2246343	2258099	0.97	cps
Indium	115-1	5184394	5246197	5169456	5200016	0.78	cps
Indium	115-2	415900	416965	407781	413549	1.21	cps
Iron	56-2	19906645	19954906	20276502	20046018	1.00	cps
Iron	57-2	500935	497627	508290	502284	1.09	cps
Krypton	83-1	627	590	637	618	3.98	cps
Lead	206-1	1480763	1458075	1448174	1462337	1.14	cps
Lead	207-1	1316823	1321092	1322391	1320102	0.22	cps
Lead	208-1	6034951	6018815	6016594	6023454	0.17	cps
Lithium	6-1	2013727	2045515	2014237	2024493	0.90	cps
Magnesium	24-2	2347205	2322755	2343559	2337839	0.56	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:30:25	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	348284	345202	350113	347866	0.71	cps
Molybdenum	94-1	5718380	5741123	5642891	5700798	0.90	cps
Molybdenum	95-1	7091745	7013689	7051787	7052407	0.55	cps
Molybdenum	96-1	7896181	7798874	7723080	7806045	1.11	cps
Molybdenum	97-1	4394879	4291928	4322261	4336356	1.22	cps
Molybdenum	98-1	11139781	10966053	10997652	11034495	0.84	cps
Neodymium	150-1	100	153	67	107	40.98	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	328415	326434	329480	328109	0.47	cps
Phosphorus	31-2	6944	7002	6869	6938	0.96	cps
Potassium	39-2	649827	650084	656206	652039	0.55	cps
Rhodium	103-1	5200934	5357940	5323236	5294037	1.56	cps
Rhodium	103-2	2176315	2167905	2117056	2153759	1.49	cps
Scandium	45-1	4556149	4627645	4527432	4570409	1.13	cps
Scandium	45-2	55874	55526	56175	55858	0.58	cps
Selenium	77-2	543	457	507	502	8.66	cps
Selenium	78-2	1709	1769	1771	1750	1.99	cps
Selenium	82-1	48484	48321	47873	48226	0.66	cps
Silicon	28-1	2727215	2645489	2667737	2680147	1.58	cps
Silver	109-1	3252924	3193269	3253021	3233071	1.07	cps
Silver	107-1	3397120	3423835	3385606	3402187	0.58	cps
Sodium	23-2	5055382	4994426	4989595	5013134	0.73	cps
Strontium	86-1	930232	924443	919487	924721	0.58	cps
Strontium	88-1	7759658	7674045	7587128	7673610	1.12	cps
Sulfur	34-1	906998	895369	889336	897234	1.00	cps
Terbium	159-1	5841665	5938297	5954338	5911433	1.03	cps
Terbium	159-2	2239834	2219461	2184129	2214474	1.27	cps
Thallium	203-1	1854454	1824534	1838936	1839308	0.81	cps
Thallium	205-1	4357618	4374008	4317810	4349812	0.66	cps
Tin	118-1	2108977	2090468	2067388	2088944	1.00	cps
Titanium	47-1	2520211	2509556	2449313	2493027	1.53	cps
Uranium	238-1	5593951	5638512	5616753	5616405	0.40	cps
Vanadium	51-2	404393	405164	407596	405718	0.41	cps
Yttrium	89-1	6251452	6182105	6237504	6223687	0.59	cps
Yttrium	89-2	332584	333431	329934	331983	0.55	cps
Zinc	66-2	186838	183636	187789	186087	1.17	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:30:25	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4935043	4853033	4842582	4876886	1.04	cps
Zirconium	91-1	1085056	1071800	1065498	1074118	0.93	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:33:54	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	202991	200394	203407	202264	0.81	cps
Antimony	121-1	5602069	5594784	5579814	5592222	0.20	cps
Arsenic	75-2	128095	126616	127039	127250	0.60	cps
Barium	135-1	5688913	5664635	5661440	5671663	0.26	cps
Barium	137-1	9989724	9749266	9922083	9887025	1.25	cps
Beryllium	9-1	1535370	1466413	1506057	1502614	2.30	cps
Bismuth	209-1	3259012	3164376	3252513	3225301	1.64	cps
Bismuth	209-2	1658088	1644825	1654926	1652613	0.42	cps
Boron	10-1	193218	189282	196095	192865	1.77	cps
Boron	11-1	937302	937520	957050	943957	1.20	cps
Cadmium	111-1	1412646	1398143	1406039	1405609	0.52	cps
Cadmium	106-1	150061	148713	149782	149518	0.48	cps
Cadmium	108-1	101692	100483	102653	101610	1.07	cps
Calcium	43-1	1958761	1959733	1976481	1964992	0.51	cps
Calcium	44-1	31122815	30552070	30879944	30851609	0.93	cps
Chromium	52-2	1165404	1145591	1146375	1152457	0.97	cps
Cobalt	59-2	2247665	2260117	2268274	2258685	0.46	cps
Copper	63-2	3856099	3813005	3830467	3833191	0.57	cps
Dysprosium	156-1	92	108	50	83	36.06	cps
Dysprosium	156-2	13	7	27	16	65.47	cps
Erbium	164-1	33	17	33	28	34.63	cps
Erbium	164-2	3	10	7	7	50.03	cps
Gadolinium	160-1	50	42	92	61	43.83	cps
Gadolinium	160-2	23	27	13	21	32.88	cps
Holmium	165-1	5690406	5564183	5529612	5594734	1.51	cps
Holmium	165-2	2324980	2258586	2237173	2273580	2.01	cps
Indium	115-1	5120385	5018675	5081275	5073445	1.01	cps
Indium	115-2	414452	410120	409037	411203	0.70	cps
Iron	56-2	40577441	40491595	40461052	40510030	0.15	cps
Iron	57-2	1025872	1015962	1010962	1017599	0.75	cps
Krypton	83-1	690	643	693	676	4.14	cps
Lead	206-1	2882086	2801701	2859719	2847835	1.46	cps
Lead	207-1	2652540	2581529	2620391	2618153	1.36	cps
Lead	208-1	11861850	11539078	11798015	11732981	1.46	cps
Lithium	6-1	1945746	1875253	1906377	1909125	1.85	cps
Magnesium	24-2	4642786	4614325	4642492	4633201	0.35	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:33:54	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	713914	708876	706892	709894	0.51	cps
Molybdenum	94-1	11375169	11393241	11172673	11313694	1.08	cps
Molybdenum	95-1	14227774	13890912	14022776	14047154	1.21	cps
Molybdenum	96-1	15722288	15440595	15483357	15548747	0.98	cps
Molybdenum	97-1	8623268	8586199	8634988	8614818	0.30	cps
Molybdenum	98-1	22337611	21816242	22151174	22101676	1.20	cps
Neodymium	150-1	267	253	253	258	2.99	cps
Neodymium	150-2	10	10	23	14	53.28	cps
Nickel	60-2	659344	654973	656962	657093	0.33	cps
Phosphorus	31-2	13465	13999	13941	13802	2.12	cps
Potassium	39-2	1347084	1330934	1335244	1337754	0.63	cps
Rhodium	103-1	5219071	5191735	5194822	5201876	0.29	cps
Rhodium	103-2	2140594	2168641	2142202	2150479	0.73	cps
Scandium	45-1	4582337	4462506	4563827	4536224	1.42	cps
Scandium	45-2	58655	57273	58434	58121	1.28	cps
Selenium	77-2	1020	1050	1083	1051	3.01	cps
Selenium	78-2	3610	3556	3597	3588	0.78	cps
Selenium	82-1	96442	95187	94845	95491	0.88	cps
Silicon	28-1	4611785	4574902	4642700	4609796	0.74	cps
Silver	109-1	6398692	6282508	6375024	6352075	0.97	cps
Silver	107-1	6730603	6732289	6721499	6728130	0.09	cps
Sodium	23-2	10311731	10052064	10125768	10163188	1.32	cps
Strontium	86-1	1878814	1845254	1852395	1858821	0.95	cps
Strontium	88-1	15396946	15231063	15467743	15365251	0.79	cps
Sulfur	34-1	1050100	1042046	1047095	1046413	0.39	cps
Terbium	159-1	5892308	5762524	5773510	5809447	1.24	cps
Terbium	159-2	2282462	2248805	2242321	2257862	0.95	cps
Thallium	203-1	3603619	3532940	3503735	3546765	1.45	cps
Thallium	205-1	8514541	8185727	8358165	8352811	1.97	cps
Tin	118-1	4099595	4031042	4045335	4058657	0.89	cps
Titanium	47-1	4862918	4832505	4789866	4828430	0.76	cps
Uranium	238-1	11066868	10732989	10915929	10905262	1.53	cps
Vanadium	51-2	837943	827114	829726	831594	0.68	cps
Yttrium	89-1	6232244	6086754	6253812	6190937	1.47	cps
Yttrium	89-2	339474	334258	340346	338026	0.97	cps
Zinc	66-2	388070	383832	385736	385879	0.55	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:33:54	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	9750535	9547823	9604334	9634231	1.09	cps
Zirconium	91-1	2218996	2148434	2184164	2183865	1.62	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:42:12	DataFile Name :	013CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1049678	1051134	1051303	1050705	0.09	cps
Antimony	121-1	5860	5935	5977	5924	1.00	cps
Arsenic	75-2	187	193	181	187	2.97	cps
Barium	135-1	575	558	542	558	2.99	cps
Barium	137-1	1183	908	967	1020	14.21	cps
Beryllium	9-1	117	77	137	110	27.77	cps
Bismuth	209-1	2959371	2911373	2916601	2929115	0.90	cps
Bismuth	209-2	1484751	1619671	1530780	1545067	4.44	cps
Boron	10-1	2300	2600	2709	2536	8.34	cps
Boron	11-1	12114	11664	11922	11900	1.90	cps
Cadmium	111-1	1202	1297	1350	1283	5.86	cps
Cadmium	106-1	1642	1792	1817	1750	5.41	cps
Cadmium	108-1	8	58	25	31	83.33	cps
Calcium	43-1	9968508	9856317	9897742	9907522	0.57	cps
Calcium	44-1	157876554	157480631	157409328	157588838	0.16	cps
Chromium	52-2	16920	16744	16971	16878	0.71	cps
Cobalt	59-2	26392	27020	26980	26797	1.31	cps
Copper	63-2	4964	4998	5011	4991	0.48	cps
Dysprosium	156-1	42	8	58	36	70.51	cps
Dysprosium	156-2	3	3	13	7	86.65	cps
Erbium	164-1	33	58	50	47	26.97	cps
Erbium	164-2	3	20	0	8	137.80	cps
Gadolinium	160-1	50	100	75	75	33.34	cps
Gadolinium	160-2	20	20	37	26	37.66	cps
Holmium	165-1	5377027	5410373	5237690	5341697	1.71	cps
Holmium	165-2	2163548	2300672	2215345	2226521	3.11	cps
Indium	115-1	4901491	4910059	4911667	4907739	0.11	cps
Indium	115-2	406505	437736	418905	421049	3.73	cps
Iron	56-2	200737266	202403071	201949116	201696484	0.43	cps
Iron	57-2	5053801	5034699	5027472	5038657	0.27	cps
Krypton	83-1	677	683	657	672	2.06	cps
Lead	206-1	3612	3401	3595	3536	3.32	cps
Lead	207-1	3139	3139	3045	3108	1.75	cps
Lead	208-1	13948	13631	14042	13874	1.55	cps
Lithium	6-1	1826618	1850245	1797587	1824817	1.45	cps
Magnesium	24-2	22009236	22025654	22064093	22032994	0.13	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:42:12	DataFile Name :	013CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	3617	3731	3554	3634	2.46	cps
Molybdenum	94-1	6135	6218	5927	6093	2.47	cps
Molybdenum	95-1	7544	7753	7969	7755	2.74	cps
Molybdenum	96-1	9971	10221	9887	10026	1.73	cps
Molybdenum	97-1	4926	4826	5118	4957	2.99	cps
Molybdenum	98-1	12498	11964	12465	12309	2.43	cps
Neodymium	150-1	87	47	87	73	31.49	cps
Neodymium	150-2	10	3	20	11	75.52	cps
Nickel	60-2	11745	11351	11245	11447	2.30	cps
Phosphorus	31-2	8	17	8	11	43.34	cps
Potassium	39-2	6839587	6809508	6808415	6819170	0.26	cps
Rhodium	103-1	4931863	4849046	4923475	4901461	0.93	cps
Rhodium	103-2	2035165	2194436	2079850	2103150	3.91	cps
Scandium	45-1	4519957	4469804	4471554	4487105	0.63	cps
Scandium	45-2	56460	60915	59044	58806	3.80	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	4	4	4	4	0.00	cps
Selenium	82-1	-8	-48	-49	-35	-67.88	cps
Silicon	28-1	428147	431863	434836	431615	0.78	cps
Silver	109-1	458	350	375	394	14.38	cps
Silver	107-1	333	492	550	458	24.46	cps
Sodium	23-2	41100188	41016393	40866321	40994301	0.29	cps
Strontium	86-1	8720	8586	8595	8634	0.86	cps
Strontium	88-1	66311	65566	66194	66024	0.61	cps
Sulfur	34-1	546438	551462	557237	551713	0.98	cps
Terbium	159-1	5555903	5489285	5449552	5498247	0.98	cps
Terbium	159-2	2132221	2274574	2167233	2191343	3.38	cps
Thallium	203-1	400	342	375	372	7.86	cps
Thallium	205-1	792	583	650	675	15.76	cps
Tin	118-1	2817	3009	3051	2959	4.21	cps
Titanium	47-1	1308	1208	1292	1270	4.22	cps
Uranium	238-1	325	275	367	322	14.24	cps
Vanadium	51-2	110	97	133	113	16.38	cps
Yttrium	89-1	6077214	6053354	6044471	6058346	0.28	cps
Yttrium	89-2	337309	361171	345944	348141	3.47	cps
Zinc	66-2	3080	2977	3077	3045	1.93	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 12:42:12	DataFile Name :	013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	3642	3434	3317	3464	4.75	cps
Zirconium	91-1	750	700	700	717	4.03	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:22:42	DataFile Name :	014ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5705	5252	5305	5421	4.57	cps
Antimony	121-1	1014202	1017767	1004123	1012031	0.70	cps
Arsenic	75-2	24750	24778	24325	24618	1.03	cps
Barium	135-1	103385	104822	101849	103352	1.44	cps
Barium	137-1	180392	179228	178474	179365	0.54	cps
Beryllium	9-1	142323	139828	140662	140938	0.90	cps
Bismuth	209-1	3085690	3012199	3045838	3047909	1.21	cps
Bismuth	209-2	1726421	1721733	1702805	1716986	0.73	cps
Boron	10-1	208	200	175	194	8.92	cps
Boron	11-1	742	825	1000	856	15.41	cps
Cadmium	111-1	126770	124770	125747	125762	0.80	cps
Cadmium	106-1	13090	13107	13382	13193	1.24	cps
Cadmium	108-1	8399	8449	8357	8401	0.55	cps
Calcium	43-1	38102	38306	38563	38323	0.60	cps
Calcium	44-1	758682	756885	753979	756516	0.31	cps
Chromium	52-2	112639	113520	111641	112600	0.83	cps
Cobalt	59-2	222205	225678	217943	221942	1.75	cps
Copper	63-2	191662	191741	190701	191368	0.30	cps
Dysprosium	156-1	17	33	25	25	33.32	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	58	50	17	42	52.91	cps
Erbium	164-2	13	10	13	12	15.73	cps
Gadolinium	160-1	75	92	42	69	36.66	cps
Gadolinium	160-2	10	3	13	9	57.30	cps
Holmium	165-1	5327874	5366190	5296576	5330213	0.65	cps
Holmium	165-2	2289907	2269856	2243898	2267887	1.02	cps
Indium	115-1	5177945	5104429	5099181	5127185	0.86	cps
Indium	115-2	432539	434684	426582	431268	0.97	cps
Iron	56-2	814053	820299	809457	814603	0.67	cps
Iron	57-2	19792	20605	19970	20122	2.12	cps
Krypton	83-1	523	543	660	576	12.83	cps
Lead	206-1	515714	519370	510535	515206	0.86	cps
Lead	207-1	452452	450905	449391	450916	0.34	cps
Lead	208-1	2083442	2061137	2061736	2068772	0.61	cps
Lithium	6-1	1836976	1897279	1868964	1867739	1.62	cps
Magnesium	24-2	53418	54739	52005	53388	2.56	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:22:42	DataFile Name :	014ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	34740	34596	34182	34506	0.84	cps
Molybdenum	94-1	283	392	333	336	16.13	cps
Molybdenum	95-1	167	150	108	142	21.21	cps
Molybdenum	96-1	267	275	317	286	9.36	cps
Molybdenum	97-1	175	117	250	181	37.02	cps
Molybdenum	98-1	142	250	175	189	29.38	cps
Neodymium	150-1	7	7	20	11	69.25	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	67081	67607	66545	67078	0.79	cps
Phosphorus	31-2	8	8	33	17	86.64	cps
Potassium	39-2	59301	58522	57803	58542	1.28	cps
Rhodium	103-1	5412091	5289664	5306471	5336075	1.24	cps
Rhodium	103-2	2293539	2325150	2268488	2295726	1.24	cps
Scandium	45-1	4654467	4606522	4571716	4610902	0.90	cps
Scandium	45-2	60018	60212	58662	59630	1.42	cps
Selenium	77-2	223	217	217	219	1.76	cps
Selenium	78-2	669	746	683	699	5.90	cps
Selenium	82-1	18932	18171	18241	18448	2.28	cps
Silicon	28-1	378814	372657	377639	376370	0.87	cps
Silver	109-1	587118	590729	588388	588745	0.31	cps
Silver	107-1	625072	624384	621777	623745	0.28	cps
Sodium	23-2	211558	215779	209090	212142	1.59	cps
Strontium	86-1	4959	5351	5001	5104	4.22	cps
Strontium	88-1	32348	32156	33317	32607	1.91	cps
Sulfur	34-1	620981	621956	622622	621853	0.13	cps
Terbium	159-1	5579737	5595279	5556077	5577031	0.35	cps
Terbium	159-2	2265892	2247639	2203369	2238967	1.44	cps
Thallium	203-1	648437	654880	655206	652841	0.58	cps
Thallium	205-1	1552529	1554359	1578525	1561804	0.93	cps
Tin	118-1	400	325	292	339	16.37	cps
Titanium	47-1	283	208	225	239	16.49	cps
Uranium	238-1	233	258	350	281	21.89	cps
Vanadium	51-2	80453	81442	79062	80319	1.49	cps
Yttrium	89-1	6151605	6071004	6076352	6099654	0.74	cps
Yttrium	89-2	351131	348324	345654	348370	0.79	cps
Zinc	66-2	38427	38587	37775	38263	1.12	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICV01	Instrumnet Name :	P8
Client Sample ID :	ICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:22:42	DataFile Name :	014ICV01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	450	625	600	558	16.95	cps
Zirconium	91-1	275	283	275	278	1.73	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:27:59	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	205	230	183	206	11.54	cps
Antimony	121-1	10329	9779	10329	10146	3.13	cps
Arsenic	75-2	115	122	111	116	4.87	cps
Barium	135-1	10179	9888	9354	9807	4.27	cps
Barium	137-1	17270	16820	17320	17137	1.61	cps
Beryllium	9-1	1280	1363	1223	1289	5.46	cps
Bismuth	209-1	3055106	3081685	3125256	3087349	1.15	cps
Bismuth	209-2	1722867	1685334	1679521	1695907	1.39	cps
Boron	10-1	4159	4084	4484	4242	5.01	cps
Boron	11-1	20949	20949	21216	21038	0.73	cps
Cadmium	111-1	2467	2420	2297	2395	3.68	cps
Cadmium	106-1	2175	2000	1734	1970	11.29	cps
Cadmium	108-1	79	150	83	104	38.15	cps
Calcium	43-1	9423	9300	9013	9245	2.28	cps
Calcium	44-1	296129	299304	296021	297152	0.63	cps
Chromium	52-2	3387	3267	3204	3286	2.83	cps
Cobalt	59-2	2117	2164	2087	2122	1.82	cps
Copper	63-2	3931	3894	3674	3833	3.62	cps
Dysprosium	156-1	17	25	17	19	24.73	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	0	17	8	8	100.02	cps
Erbium	164-2	0	3	7	3	100.05	cps
Gadolinium	160-1	33	75	17	42	72.12	cps
Gadolinium	160-2	20	10	10	13	43.30	cps
Holmium	165-1	5275644	5224465	5323681	5274597	0.94	cps
Holmium	165-2	2266656	2208573	2203057	2226096	1.58	cps
Indium	115-1	5204122	5051120	5128636	5127959	1.49	cps
Indium	115-2	437979	432549	426086	432205	1.38	cps
Iron	56-2	42532	42777	43067	42792	0.63	cps
Iron	57-2	1161	1067	972	1067	8.85	cps
Krypton	83-1	630	573	620	608	4.98	cps
Lead	206-1	2534	2589	2517	2547	1.49	cps
Lead	207-1	2384	2311	2267	2321	2.54	cps
Lead	208-1	10596	10308	10491	10465	1.40	cps
Lithium	6-1	1822415	1812716	1818592	1817908	0.27	cps
Magnesium	24-2	21634	20874	21642	21383	2.06	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:27:59	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	437	437	420	431	2.23	cps
Molybdenum	94-1	10446	10104	10521	10357	2.15	cps
Molybdenum	95-1	12331	12807	12089	12409	2.94	cps
Molybdenum	96-1	13916	14375	14225	14172	1.65	cps
Molybdenum	97-1	7803	7569	7728	7700	1.55	cps
Molybdenum	98-1	20875	19899	19890	20221	2.80	cps
Neodymium	150-1	13	20	7	13	49.99	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	747	687	700	711	4.43	cps
Phosphorus	31-2	33	8	50	31	68.64	cps
Potassium	39-2	17069	17620	17570	17420	1.75	cps
Rhodium	103-1	5311460	5263400	5321843	5298901	0.59	cps
Rhodium	103-2	2311768	2279547	2278801	2290039	0.82	cps
Scandium	45-1	4530400	4569323	4513632	4537785	0.63	cps
Scandium	45-2	59837	59251	57500	58863	2.07	cps
Selenium	77-2	3	7	3	4	43.40	cps
Selenium	78-2	35	19	24	26	32.74	cps
Selenium	82-1	426	469	413	436	6.67	cps
Silicon	28-1	411200	412095	412327	411874	0.14	cps
Silver	109-1	5718	5418	5368	5501	3.44	cps
Silver	107-1	5818	5368	5852	5679	4.76	cps
Sodium	23-2	58563	57643	59032	58412	1.21	cps
Strontium	86-1	2825	2617	2584	2675	4.90	cps
Strontium	88-1	12681	13816	13015	13171	4.43	cps
Sulfur	34-1	625782	620827	620863	622491	0.46	cps
Terbium	159-1	5497229	5440568	5551585	5496461	1.01	cps
Terbium	159-2	2218564	2164643	2181579	2188262	1.26	cps
Thallium	203-1	3034	2809	3042	2962	4.47	cps
Thallium	205-1	6669	7428	6852	6983	5.67	cps
Tin	118-1	19231	17721	18021	18325	4.36	cps
Titanium	47-1	4876	4143	4576	4532	8.14	cps
Uranium	238-1	9196	8695	8236	8709	5.51	cps
Vanadium	51-2	3957	3941	4257	4052	4.40	cps
Yttrium	89-1	6027967	6130566	6103709	6087414	0.87	cps
Yttrium	89-2	348740	344032	336666	343146	1.77	cps
Zinc	66-2	580	550	560	563	2.71	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	LLICV01	Instrumnet Name :	P8
Client Sample ID :	LLICV01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:27:59	DataFile Name :	015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	8636	9053	9020	8903	2.60	cps
Zirconium	91-1	2109	1875	1775	1920	8.91	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : ICB01 Instrumnet Name : P8
 Client Sample ID : ICB01 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-19 13:31:23 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	28	38	50	38	29.40	cps
Antimony	121-1	183	225	242	217	13.87	cps
Arsenic	75-2	6	4	2	4	50.09	cps
Barium	135-1	33	67	8	36	81.06	cps
Barium	137-1	17	50	42	36	48.03	cps
Beryllium	9-1	13	37	50	33	55.68	cps
Bismuth	209-1	3186722	3078653	3113048	3126141	1.77	cps
Bismuth	209-2	1592645	1460347	1558455	1537149	4.47	cps
Boron	10-1	258	267	208	244	12.91	cps
Boron	11-1	1233	1158	1258	1217	4.28	cps
Cadmium	111-1	1243	1117	1215	1192	5.55	cps
Cadmium	106-1	1759	1609	1742	1703	4.83	cps
Cadmium	108-1	0	13	13	8	86.60	cps
Calcium	43-1	403	440	460	434	6.62	cps
Calcium	44-1	151805	151319	151433	151519	0.17	cps
Chromium	52-2	1337	1283	1430	1350	5.50	cps
Cobalt	59-2	143	113	110	122	15.02	cps
Copper	63-2	267	227	200	231	14.52	cps
Dysprosium	156-1	25	17	17	19	24.73	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	33	8	0	14	124.91	cps
Erbium	164-2	10	7	3	7	50.03	cps
Gadolinium	160-1	25	75	42	47	53.91	cps
Gadolinium	160-2	0	7	10	6	91.64	cps
Holmium	165-1	5509578	5411019	5315755	5412117	1.79	cps
Holmium	165-2	2145864	1961374	2102328	2069855	4.66	cps
Indium	115-1	5288739	5195090	5158451	5214093	1.29	cps
Indium	115-2	411290	379281	398920	396497	4.07	cps
Iron	56-2	2861	2561	2545	2656	6.71	cps
Iron	57-2	89	83	61	78	18.90	cps
Krypton	83-1	627	640	627	631	1.22	cps
Lead	206-1	289	183	244	239	22.18	cps
Lead	207-1	133	183	189	169	18.16	cps
Lead	208-1	806	772	861	813	5.52	cps
Lithium	6-1	1854855	1847527	1888491	1863624	1.17	cps
Magnesium	24-2	225	308	258	264	15.89	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:31:23	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	37	77	73	62	35.67	cps
Molybdenum	94-1	208	175	142	175	19.05	cps
Molybdenum	95-1	25	67	33	42	52.92	cps
Molybdenum	96-1	67	58	100	75	29.40	cps
Molybdenum	97-1	125	58	125	103	37.45	cps
Molybdenum	98-1	42	33	42	39	12.37	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	90	50	67	69	29.17	cps
Phosphorus	31-2	0	8	17	8	100.02	cps
Potassium	39-2	5710	5076	5560	5449	6.08	cps
Rhodium	103-1	5488900	5336924	5288012	5371279	1.95	cps
Rhodium	103-2	2182666	1999462	2150166	2110765	4.63	cps
Scandium	45-1	4724847	4620499	4614048	4653131	1.34	cps
Scandium	45-2	56242	51488	54378	54036	4.43	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	6	7	2	5	57.32	cps
Selenium	82-1	-81	-101	-16	-66	-67.74	cps
Silicon	28-1	378500	376964	377394	377619	0.21	cps
Silver	109-1	92	83	125	100	22.05	cps
Silver	107-1	92	92	125	103	18.73	cps
Sodium	23-2	10454	10771	10946	10724	2.33	cps
Strontium	86-1	1050	967	958	992	5.11	cps
Strontium	88-1	100	117	167	128	27.15	cps
Sulfur	34-1	621965	617636	617831	619144	0.39	cps
Terbium	159-1	5681445	5532817	5463611	5559291	2.00	cps
Terbium	159-2	2123053	1953898	2047126	2041359	4.15	cps
Thallium	203-1	42	83	33	53	50.76	cps
Thallium	205-1	75	133	67	92	39.63	cps
Tin	118-1	275	250	375	300	22.05	cps
Titanium	47-1	158	150	142	150	5.56	cps
Uranium	238-1	17	8	67	31	103.26	cps
Vanadium	51-2	13	13	17	14	13.35	cps
Yttrium	89-1	6372553	6101172	6154866	6209530	2.31	cps
Yttrium	89-2	327549	300627	319484	315886	4.37	cps
Zinc	66-2	110	147	130	129	14.24	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICB01	Instrumnet Name :	P8
Client Sample ID :	ICB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:31:23	DataFile Name :	016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	283	442	517	414	28.78	cps
Zirconium	91-1	108	83	108	100	14.43	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:34:47	DataFile Name :	017ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	864658	858686	856949	860098	0.47	cps
Antimony	121-1	5768	5852	5860	5827	0.87	cps
Arsenic	75-2	46	48	24	40	33.92	cps
Barium	135-1	1533	1483	1467	1495	2.32	cps
Barium	137-1	2684	2600	2634	2639	1.59	cps
Beryllium	9-1	330	413	317	353	14.83	cps
Bismuth	209-1	2733411	2708793	2759275	2733826	0.92	cps
Bismuth	209-2	1374212	1401708	1480504	1418808	3.89	cps
Boron	10-1	308	317	300	308	2.70	cps
Boron	11-1	1383	1450	1333	1389	4.21	cps
Cadmium	111-1	1576	1452	1791	1607	10.68	cps
Cadmium	106-1	1542	1433	1675	1550	7.81	cps
Cadmium	108-1	975	996	854	942	8.12	cps
Calcium	43-1	1810149	1836185	1818804	1821712	0.73	cps
Calcium	44-1	28690670	28994464	28669355	28784829	0.63	cps
Chromium	52-2	22972	22411	22331	22572	1.55	cps
Cobalt	59-2	2557	2544	2597	2566	1.08	cps
Copper	63-2	16230	16146	15863	16079	1.20	cps
Dysprosium	156-1	25	25	42	31	31.50	cps
Dysprosium	156-2	7	10	17	11	45.82	cps
Erbium	164-1	33	8	17	19	65.47	cps
Erbium	164-2	3	13	13	10	57.75	cps
Gadolinium	160-1	75	50	50	58	24.74	cps
Gadolinium	160-2	7	13	17	12	41.65	cps
Holmium	165-1	4941926	4854040	5200370	4998779	3.60	cps
Holmium	165-2	1970647	2022176	2177269	2056698	5.23	cps
Indium	115-1	4576829	4665069	4699991	4647296	1.37	cps
Indium	115-2	377708	381620	410697	390008	4.62	cps
Iron	56-2	76398277	76177707	75716874	76097619	0.46	cps
Iron	57-2	1921931	1932211	1941422	1931855	0.50	cps
Krypton	83-1	747	633	683	688	8.26	cps
Lead	206-1	12251	11689	11155	11698	4.68	cps
Lead	207-1	9309	9003	8837	9050	2.65	cps
Lead	208-1	45216	43786	42423	43808	3.19	cps
Lithium	6-1	1542718	1452093	1464654	1486488	3.30	cps
Magnesium	24-2	4171889	4133261	4124198	4143116	0.61	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:34:47	DataFile Name :	017ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	2437	2700	2587	2575	5.13	cps
Molybdenum	94-1	2859276	2864677	2780756	2834903	1.66	cps
Molybdenum	95-1	4998360	5029400	4913129	4980296	1.21	cps
Molybdenum	96-1	5346248	5342747	5293825	5327607	0.55	cps
Molybdenum	97-1	3094132	3110943	3077030	3094035	0.55	cps
Molybdenum	98-1	7742273	7942452	7737902	7807542	1.50	cps
Neodymium	150-1	20	20	20	20	0.00	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	3534	3661	3394	3529	3.78	cps
Phosphorus	31-2	66022	66038	64397	65486	1.44	cps
Potassium	39-2	2558170	2532998	2532595	2541254	0.58	cps
Rhodium	103-1	4715924	4727212	4892502	4778546	2.07	cps
Rhodium	103-2	1973414	2007465	2153718	2044866	4.68	cps
Scandium	45-1	4127478	4221052	4351994	4233508	2.66	cps
Scandium	45-2	52404	54515	57464	54794	4.64	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	2	7	7	6	57.77	cps
Selenium	82-1	-158	-91	-133	-127	-26.35	cps
Silicon	28-1	461902	461827	450271	458000	1.46	cps
Silver	109-1	5818	6002	5401	5740	5.36	cps
Silver	107-1	6443	6727	5435	6202	10.95	cps
Sodium	23-2	9519447	9573414	9579822	9557561	0.35	cps
Strontium	86-1	57639	57011	57045	57232	0.62	cps
Strontium	88-1	476338	486609	470136	477694	1.74	cps
Sulfur	34-1	2838170	2845295	2796125	2826530	0.94	cps
Terbium	159-1	5029838	5149741	5290371	5156650	2.53	cps
Terbium	159-2	1934771	1967899	2074050	1992240	3.65	cps
Thallium	203-1	658	442	467	522	22.70	cps
Thallium	205-1	1250	1092	992	1111	11.72	cps
Tin	118-1	933	925	783	881	9.57	cps
Titanium	47-1	1810035	1818569	1769492	1799365	1.46	cps
Uranium	238-1	175	183	158	172	7.39	cps
Vanadium	51-2	130	110	117	119	8.57	cps
Yttrium	89-1	5618069	5670901	5831044	5706672	1.94	cps
Yttrium	89-2	311459	315700	337786	321648	4.39	cps
Zinc	66-2	2374	2200	2354	2309	4.11	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSA01	Instrumnet Name :	P8
Client Sample ID :	ICSA01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:34:47	DataFile Name :	017ICSA01.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	483	600	692	592	17.65	cps
Zirconium	91-1	83	142	108	111	26.34	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:38:05	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	851015	837908	840960	843294	0.81	cps
Antimony	121-1	105087	102299	102141	103176	1.61	cps
Arsenic	75-2	2472	2443	2252	2389	5.01	cps
Barium	135-1	21952	21610	21009	21524	2.22	cps
Barium	137-1	37245	36477	37179	36967	1.15	cps
Beryllium	9-1	23877	23009	23443	23443	1.85	cps
Bismuth	209-1	2696150	2688793	2684239	2689727	0.22	cps
Bismuth	209-2	1401019	1387234	1392320	1393524	0.50	cps
Boron	10-1	9645	9003	9145	9265	3.64	cps
Boron	11-1	46026	45147	44628	45267	1.56	cps
Cadmium	111-1	25080	24963	25264	25102	0.61	cps
Cadmium	106-1	4109	3609	3917	3878	6.51	cps
Cadmium	108-1	2675	2509	2279	2488	7.99	cps
Calcium	43-1	1805245	1805636	1799585	1803489	0.19	cps
Calcium	44-1	28777712	28511778	28523002	28604164	0.53	cps
Chromium	52-2	44808	43829	43708	44115	1.37	cps
Cobalt	59-2	45193	44635	44866	44898	0.62	cps
Copper	63-2	50836	51445	51208	51163	0.60	cps
Dysprosium	156-1	33	17	8	19	65.47	cps
Dysprosium	156-2	7	7	7	7	0.00	cps
Erbium	164-1	50	25	25	33	43.30	cps
Erbium	164-2	7	10	10	9	21.63	cps
Gadolinium	160-1	58	33	75	56	37.75	cps
Gadolinium	160-2	17	10	20	16	32.73	cps
Holmium	165-1	5058405	4967159	4924837	4983467	1.37	cps
Holmium	165-2	2050856	2036257	2006061	2031058	1.12	cps
Indium	115-1	4831078	4702453	4723059	4752197	1.45	cps
Indium	115-2	390903	385445	385155	387168	0.84	cps
Iron	56-2	75444035	75490463	74558404	75164301	0.70	cps
Iron	57-2	1913222	1916296	1883466	1904328	0.95	cps
Krypton	83-1	647	587	617	617	4.87	cps
Lead	206-1	59763	59221	60204	59729	0.82	cps
Lead	207-1	49497	48755	48884	49045	0.81	cps
Lead	208-1	228998	229006	230543	229516	0.39	cps
Lithium	6-1	1362882	1326644	1338821	1342782	1.37	cps
Magnesium	24-2	4154962	4092361	4061422	4102915	1.16	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:38:05	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	9270	9223	9120	9204	0.83	cps
Molybdenum	94-1	2928933	2839766	2881012	2883237	1.55	cps
Molybdenum	95-1	5044837	5009499	5050612	5034983	0.44	cps
Molybdenum	96-1	5462359	5389049	5478582	5443330	0.88	cps
Molybdenum	97-1	3186378	3090202	3145099	3140560	1.54	cps
Molybdenum	98-1	7923583	7839445	7943601	7902210	0.70	cps
Neodymium	150-1	20	0	20	13	86.60	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	15946	15793	16026	15922	0.75	cps
Phosphorus	31-2	63602	64582	63728	63971	0.83	cps
Potassium	39-2	2548750	2492100	2502727	2514526	1.20	cps
Rhodium	103-1	4854742	4735402	4851624	4813922	1.41	cps
Rhodium	103-2	2085717	2070921	2064673	2073770	0.52	cps
Scandium	45-1	4337416	4251054	4286832	4291767	1.01	cps
Scandium	45-2	55161	53930	55282	54791	1.37	cps
Selenium	77-2	20	13	17	17	20.01	cps
Selenium	78-2	74	67	69	70	5.52	cps
Selenium	82-1	1647	1667	1661	1658	0.60	cps
Silicon	28-1	689365	687981	681851	686399	0.58	cps
Silver	109-1	109234	108108	107537	108293	0.80	cps
Silver	107-1	116491	115248	112510	114749	1.77	cps
Sodium	23-2	9553540	9391980	9476108	9473876	0.85	cps
Strontium	86-1	56836	55464	57054	56451	1.53	cps
Strontium	88-1	473759	472827	470779	472455	0.32	cps
Sulfur	34-1	2774158	2747897	2735838	2752631	0.71	cps
Terbium	159-1	5266169	5147035	5122888	5178697	1.48	cps
Terbium	159-2	2000953	1979670	1979637	1986753	0.62	cps
Thallium	203-1	59533	60755	59155	59815	1.40	cps
Thallium	205-1	141736	138870	142006	140871	1.23	cps
Tin	118-1	215789	209503	207961	211084	1.96	cps
Titanium	47-1	1864290	1826985	1863872	1851716	1.16	cps
Uranium	238-1	250	158	192	200	23.20	cps
Vanadium	51-2	15325	15429	15846	15533	1.77	cps
Yttrium	89-1	5879528	5778075	5791934	5816512	0.95	cps
Yttrium	89-2	326258	319693	320063	322004	1.15	cps
Zinc	66-2	5938	5881	5838	5886	0.85	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	ICSAB01	Instrumnet Name :	P8
Client Sample ID :	ICSAB01	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:38:05	DataFile Name :	018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	733	692	483	636	21.06	cps
Zirconium	91-1	133	92	183	136	33.72	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV90	Instrumnet Name :	P8
Client Sample ID :	CCV90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:41:23	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	534208	531721	523142	529690	1.10	cps
Antimony	121-1	2725093	2690318	2696215	2703875	0.69	cps
Arsenic	75-2	64325	64042	62993	63787	1.10	cps
Barium	135-1	2709282	2661386	2692231	2687633	0.90	cps
Barium	137-1	4759241	4581508	4681536	4674095	1.91	cps
Beryllium	9-1	625712	630625	643074	633137	1.41	cps
Bismuth	209-1	2877035	2791999	2762536	2810524	2.12	cps
Bismuth	209-2	1384748	1471521	1491352	1449207	3.91	cps
Boron	10-1	82647	82805	83317	82923	0.42	cps
Boron	11-1	397203	407071	416386	406887	2.36	cps
Cadmium	111-1	625953	631798	632819	630190	0.59	cps
Cadmium	106-1	70058	69363	70434	69952	0.78	cps
Cadmium	108-1	46175	46485	46250	46303	0.35	cps
Calcium	43-1	4672277	4795497	4751054	4739609	1.32	cps
Calcium	44-1	75235167	75614964	75440737	75430289	0.25	cps
Chromium	52-2	605967	597122	595120	599403	0.96	cps
Cobalt	59-2	1136078	1123607	1110873	1123519	1.12	cps
Copper	63-2	1884654	1868296	1874109	1875687	0.44	cps
Dysprosium	156-1	117	50	83	83	40.00	cps
Dysprosium	156-2	13	7	10	10	33.30	cps
Erbium	164-1	92	33	50	58	51.51	cps
Erbium	164-2	10	7	0	6	91.64	cps
Gadolinium	160-1	67	58	83	69	18.33	cps
Gadolinium	160-2	23	23	23	23	0.00	cps
Holmium	165-1	5313894	5196364	5146586	5218948	1.65	cps
Holmium	165-2	2036209	2132629	2175638	2114825	3.38	cps
Indium	115-1	4859040	4838448	4821765	4839751	0.39	cps
Indium	115-2	380079	391336	406526	392647	3.38	cps
Iron	56-2	101155841	100100852	98837005	100031233	1.16	cps
Iron	57-2	2587829	2535677	2511530	2545012	1.53	cps
Krypton	83-1	710	613	667	663	7.30	cps
Lead	206-1	1255501	1249365	1238491	1247786	0.69	cps
Lead	207-1	1137993	1129215	1127316	1131508	0.50	cps
Lead	208-1	5227414	5107441	5130873	5155243	1.23	cps
Lithium	6-1	1412573	1431222	1464025	1435940	1.81	cps
Magnesium	24-2	11641379	11601130	11359542	11534017	1.32	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV90	Instrumnet Name :	P8
Client Sample ID :	CCV90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:41:23	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	359188	358604	352388	356727	1.06	cps
Molybdenum	94-1	5545532	5485774	5514531	5515279	0.54	cps
Molybdenum	95-1	6753326	6805628	6749979	6769644	0.46	cps
Molybdenum	96-1	7567561	7592926	7456104	7538863	0.97	cps
Molybdenum	97-1	4193827	4257995	4204125	4218649	0.82	cps
Molybdenum	98-1	10613539	10745944	10491379	10616954	1.20	cps
Neodymium	150-1	200	153	120	158	25.47	cps
Neodymium	150-2	13	23	23	20	28.87	cps
Nickel	60-2	339279	334086	330735	334700	1.29	cps
Phosphorus	31-2	7544	7686	7444	7558	1.61	cps
Potassium	39-2	3402362	3354336	3308182	3354960	1.40	cps
Rhodium	103-1	4928755	4890423	4859752	4892977	0.71	cps
Rhodium	103-2	2005812	2090777	2120031	2072207	2.86	cps
Scandium	45-1	4549621	4472028	4422492	4481380	1.43	cps
Scandium	45-2	56219	57845	59596	57887	2.92	cps
Selenium	77-2	513	510	517	513	0.65	cps
Selenium	78-2	1832	1845	1772	1816	2.12	cps
Selenium	82-1	45993	46073	46007	46024	0.09	cps
Silicon	28-1	2640964	2753529	2735862	2710118	2.23	cps
Silver	109-1	2937873	2929505	2928550	2931976	0.17	cps
Silver	107-1	3150627	3192554	3137620	3160267	0.91	cps
Sodium	23-2	25378110	25541626	24975602	25298446	1.15	cps
Strontium	86-1	886964	880595	886352	884637	0.40	cps
Strontium	88-1	7497504	7397696	7394950	7430050	0.79	cps
Sulfur	34-1	820274	831201	841964	831146	1.30	cps
Terbium	159-1	5453200	5250951	5335537	5346563	1.90	cps
Terbium	159-2	1993369	2047667	2099888	2046975	2.60	cps
Thallium	203-1	1574367	1561450	1542889	1559569	1.01	cps
Thallium	205-1	3755407	3725698	3677763	3719623	1.05	cps
Tin	118-1	1959433	1952931	1973788	1962050	0.54	cps
Titanium	47-1	2423234	2423292	2422657	2423061	0.01	cps
Uranium	238-1	4691688	4665077	4718980	4691915	0.57	cps
Vanadium	51-2	430097	424144	420215	424819	1.17	cps
Yttrium	89-1	6044686	5923624	5915201	5961170	1.22	cps
Yttrium	89-2	318388	331461	340885	330245	3.42	cps
Zinc	66-2	188955	188762	186780	188166	0.64	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV90	Instrumnet Name :	P8
Client Sample ID :	CCV90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:41:23	DataFile Name :	019CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4806250	4755831	4677476	4746519	1.37	cps
Zirconium	91-1	1041255	1039367	1030903	1037175	0.53	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB90	Instrumnet Name :	P8
Client Sample ID :	CCB90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:48:42	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	40	38	45	41	9.35	cps
Antimony	121-1	700	958	767	808	16.59	cps
Arsenic	75-2	4	7	6	6	33.38	cps
Barium	135-1	33	42	42	39	12.38	cps
Barium	137-1	75	50	58	61	20.83	cps
Beryllium	9-1	57	47	60	54	12.74	cps
Bismuth	209-1	2983331	2981740	3062394	3009155	1.53	cps
Bismuth	209-2	1591308	1575996	1385002	1517435	7.57	cps
Boron	10-1	775	775	983	845	14.24	cps
Boron	11-1	4067	3876	3751	3898	4.09	cps
Cadmium	111-1	1088	1097	1175	1120	4.27	cps
Cadmium	106-1	1525	1567	1675	1589	4.87	cps
Cadmium	108-1	0	0	8	3	173.21	cps
Calcium	43-1	417	357	483	419	15.13	cps
Calcium	44-1	153709	151248	152325	152427	0.81	cps
Chromium	52-2	1327	1273	1120	1240	8.65	cps
Cobalt	59-2	117	100	110	109	7.71	cps
Copper	63-2	300	370	300	323	12.50	cps
Dysprosium	156-1	0	8	8	6	86.60	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	17	42	25	57.73	cps
Erbium	164-2	13	17	7	12	41.65	cps
Gadolinium	160-1	58	83	50	64	27.15	cps
Gadolinium	160-2	23	7	33	21	63.80	cps
Holmium	165-1	5208066	5125523	5282191	5205260	1.51	cps
Holmium	165-2	2158199	2130391	1866355	2051648	7.85	cps
Indium	115-1	4977748	4923544	5117107	5006133	1.99	cps
Indium	115-2	417629	409234	363486	396783	7.34	cps
Iron	56-2	2956	3117	2989	3021	2.82	cps
Iron	57-2	72	106	94	91	18.70	cps
Krypton	83-1	597	633	670	633	5.79	cps
Lead	206-1	456	506	461	474	5.78	cps
Lead	207-1	417	456	456	443	5.07	cps
Lead	208-1	1872	1978	1895	1915	2.91	cps
Lithium	6-1	1586323	1547903	1626473	1586900	2.48	cps
Magnesium	24-2	242	367	233	281	26.62	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB90	Instrumnet Name :	P8
Client Sample ID :	CCB90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:48:42	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	70	37	50	52	32.12	cps
Molybdenum	94-1	225	225	417	289	38.31	cps
Molybdenum	95-1	275	175	225	225	22.22	cps
Molybdenum	96-1	308	300	425	344	20.29	cps
Molybdenum	97-1	217	217	342	258	27.94	cps
Molybdenum	98-1	375	350	500	408	19.68	cps
Neodymium	150-1	0	13	0	4	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	93	67	83	81	16.61	cps
Phosphorus	31-2	0	8	0	3	173.21	cps
Potassium	39-2	5902	5943	6152	5999	2.23	cps
Rhodium	103-1	5221399	5031101	5241251	5164584	2.25	cps
Rhodium	103-2	2256435	2199785	1962745	2139655	7.28	cps
Scandium	45-1	4429765	4397818	4479300	4435627	0.93	cps
Scandium	45-2	57423	55610	49759	54264	7.38	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	2	2	0	1	86.60	cps
Selenium	82-1	-31	-100	-147	-93	-62.65	cps
Silicon	28-1	337963	340489	343152	340535	0.76	cps
Silver	109-1	192	225	233	217	10.18	cps
Silver	107-1	325	292	267	294	9.94	cps
Sodium	23-2	16118	15643	15284	15682	2.67	cps
Strontium	86-1	1083	850	917	950	12.65	cps
Strontium	88-1	142	100	100	114	21.12	cps
Sulfur	34-1	548922	542864	548084	546623	0.60	cps
Terbium	159-1	5435914	5291972	5511754	5413214	2.06	cps
Terbium	159-2	2136333	2126426	1853274	2038677	7.88	cps
Thallium	203-1	333	367	392	364	8.04	cps
Thallium	205-1	1167	1183	925	1092	13.24	cps
Tin	118-1	392	292	358	347	14.66	cps
Titanium	47-1	192	150	208	183	16.39	cps
Uranium	238-1	67	17	33	39	65.47	cps
Vanadium	51-2	13	0	10	8	89.21	cps
Yttrium	89-1	5929040	5783550	6043276	5918622	2.20	cps
Yttrium	89-2	336000	331077	287170	318082	8.45	cps
Zinc	66-2	143	160	137	147	8.19	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB90	Instrumnet Name :	P8
Client Sample ID :	CCB90	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:48:42	DataFile Name :	020CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	483	392	467	447	10.92	cps
Zirconium	91-1	150	92	75	106	37.31	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:52:10	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	240	223	210	224	6.72	cps
Antimony	121-1	9229	10129	9596	9651	4.69	cps
Arsenic	75-2	113	115	122	117	4.20	cps
Barium	135-1	9487	9846	8987	9440	4.57	cps
Barium	137-1	16594	16878	16853	16775	0.94	cps
Beryllium	9-1	1223	1303	1143	1223	6.54	cps
Bismuth	209-1	2717958	2829746	2720910	2756205	2.31	cps
Bismuth	209-2	1602065	1498852	1530626	1543848	3.42	cps
Boron	10-1	4026	4267	4034	4109	3.34	cps
Boron	11-1	20716	21383	20040	20713	3.24	cps
Cadmium	111-1	2105	2247	1901	2084	8.33	cps
Cadmium	106-1	1575	1575	1300	1483	10.70	cps
Cadmium	108-1	63	50	96	69	34.12	cps
Calcium	43-1	8766	9100	8339	8735	4.36	cps
Calcium	44-1	284170	289036	280057	284421	1.58	cps
Chromium	52-2	3460	3517	3457	3478	0.97	cps
Cobalt	59-2	2294	2287	2187	2256	2.65	cps
Copper	63-2	4351	4207	4264	4274	1.69	cps
Dysprosium	156-1	17	0	8	8	100.02	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	33	50	17	33	50.00	cps
Erbium	164-2	10	3	10	8	49.52	cps
Gadolinium	160-1	50	33	58	47	26.97	cps
Gadolinium	160-2	7	3	3	4	43.40	cps
Holmium	165-1	4693092	5038777	4627956	4786608	4.61	cps
Holmium	165-2	2154358	2050380	2055081	2086606	2.81	cps
Indium	115-1	4398454	4842647	4454507	4565203	5.30	cps
Indium	115-2	416577	391778	393486	400614	3.46	cps
Iron	56-2	41646	43496	43212	42785	2.33	cps
Iron	57-2	1211	1017	1095	1107	8.84	cps
Krypton	83-1	573	607	680	620	8.80	cps
Lead	206-1	2817	2578	2917	2771	6.29	cps
Lead	207-1	2461	2495	2167	2374	7.60	cps
Lead	208-1	11469	11252	10930	11217	2.42	cps
Lithium	6-1	1423889	1513222	1438195	1458435	3.29	cps
Magnesium	24-2	21634	21935	21492	21687	1.04	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:52:10	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	423	337	453	404	14.98	cps
Molybdenum	94-1	10538	10138	9479	10051	5.32	cps
Molybdenum	95-1	12340	13199	11831	12456	5.55	cps
Molybdenum	96-1	13599	13983	13274	13619	2.61	cps
Molybdenum	97-1	8003	8220	7277	7833	6.30	cps
Molybdenum	98-1	18981	20099	18705	19262	3.83	cps
Neodymium	150-1	0	7	7	4	86.60	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	763	720	757	747	3.13	cps
Phosphorus	31-2	25	8	50	28	75.51	cps
Potassium	39-2	16961	18046	17979	17662	3.44	cps
Rhodium	103-1	4643844	4876797	4638720	4719787	2.88	cps
Rhodium	103-2	2250617	2086707	2128169	2155164	3.95	cps
Scandium	45-1	3912897	4234785	3865864	4004515	5.01	cps
Scandium	45-2	57802	53602	54924	55443	3.87	cps
Selenium	77-2	13	3	3	7	86.65	cps
Selenium	78-2	17	19	13	16	17.64	cps
Selenium	82-1	401	365	341	369	8.15	cps
Silicon	28-1	379058	383411	376922	379797	0.87	cps
Silver	109-1	5493	5351	5326	5390	1.67	cps
Silver	107-1	5802	5943	6168	5971	3.10	cps
Sodium	23-2	61007	60497	62153	61219	1.39	cps
Strontium	86-1	2584	2359	2234	2392	7.42	cps
Strontium	88-1	13048	12965	12682	12898	1.49	cps
Sulfur	34-1	547699	555178	545084	549320	0.95	cps
Terbium	159-1	4902879	5217853	4852560	4991098	3.97	cps
Terbium	159-2	2141261	2001600	2044169	2062343	3.47	cps
Thallium	203-1	3176	3317	2975	3156	5.44	cps
Thallium	205-1	7703	7819	7411	7644	2.75	cps
Tin	118-1	17946	18789	17662	18133	3.23	cps
Titanium	47-1	4651	4259	4318	4409	4.80	cps
Uranium	238-1	7970	8370	8286	8209	2.57	cps
Vanadium	51-2	3797	4204	4087	4030	5.20	cps
Yttrium	89-1	5294198	5696035	5294385	5428206	4.27	cps
Yttrium	89-2	331991	310021	315081	319031	3.61	cps
Zinc	66-2	597	600	517	571	8.26	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 13:52:10	DataFile Name :	021LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	8536	8612	8078	8409	3.44	cps
Zirconium	91-1	1717	1750	2009	1825	8.75	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : PB115787BL Instrumnet Name : P8
 Client Sample ID : PB115787BL Dilution Factor : 1
 Date & Time Acquired :: 2018-12-19 14:42:51 DataFile Name : 022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	50	48	50	49	2.94	cps
Antimony	121-1	142	217	217	192	22.59	cps
Arsenic	75-2	2	6	4	4	50.09	cps
Barium	135-1	25	75	50	50	50.00	cps
Barium	137-1	67	8	17	31	103.26	cps
Beryllium	9-1	33	13	13	20	57.74	cps
Bismuth	209-1	3194160	2864609	2905160	2987976	6.01	cps
Bismuth	209-2	1561522	1569428	1536578	1555843	1.10	cps
Boron	10-1	167	92	117	125	30.55	cps
Boron	11-1	583	725	425	578	25.97	cps
Cadmium	111-1	1384	1240	913	1179	20.47	cps
Cadmium	106-1	1984	1784	1308	1692	20.50	cps
Cadmium	108-1	13	13	4	10	49.46	cps
Calcium	43-1	417	383	453	418	8.38	cps
Calcium	44-1	129628	131065	131143	130612	0.65	cps
Chromium	52-2	1300	1307	1327	1311	1.06	cps
Cobalt	59-2	67	83	87	79	13.58	cps
Copper	63-2	240	200	217	219	9.18	cps
Dysprosium	156-1	0	17	0	6	173.21	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	17	17	17	17	0.00	cps
Erbium	164-2	3	3	7	4	43.40	cps
Gadolinium	160-1	33	58	17	36	58.08	cps
Gadolinium	160-2	7	17	7	10	57.72	cps
Holmium	165-1	5503196	4874348	4947914	5108486	6.73	cps
Holmium	165-2	2112415	2105750	2029153	2082439	2.22	cps
Indium	115-1	5351284	4845176	4755514	4983991	6.45	cps
Indium	115-2	394551	404165	384796	394504	2.45	cps
Iron	56-2	2445	2550	2595	2530	3.05	cps
Iron	57-2	106	78	72	85	20.97	cps
Krypton	83-1	587	613	547	582	5.76	cps
Lead	206-1	139	178	89	135	32.96	cps
Lead	207-1	217	106	167	163	34.15	cps
Lead	208-1	772	550	567	630	19.66	cps
Lithium	6-1	1744141	1534924	1616594	1631886	6.46	cps
Magnesium	24-2	233	317	325	292	17.38	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BL	Instrumnet Name :	P8
Client Sample ID :	PB115787BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:42:51	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	53	80	37	57	38.57	cps
Molybdenum	94-1	142	167	167	158	9.12	cps
Molybdenum	95-1	117	75	83	92	24.05	cps
Molybdenum	96-1	108	83	117	103	16.88	cps
Molybdenum	97-1	100	200	150	150	33.34	cps
Molybdenum	98-1	142	175	67	128	43.42	cps
Neodymium	150-1	0	0	0	0	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	77	67	93	79	17.08	cps
Phosphorus	31-2	0	17	0	6	173.21	cps
Potassium	39-2	5001	5426	4951	5126	5.09	cps
Rhodium	103-1	5551449	4983488	4995108	5176682	6.27	cps
Rhodium	103-2	2146807	2200735	2075238	2140927	2.94	cps
Scandium	45-1	4769698	4256449	4284819	4436989	6.50	cps
Scandium	45-2	54425	54965	52749	54046	2.14	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	4	2	2	2	43.30	cps
Selenium	82-1	-24	-94	15	-34	-161.54	cps
Silicon	28-1	337757	335960	333675	335797	0.61	cps
Silver	109-1	67	75	33	58	37.80	cps
Silver	107-1	83	67	75	75	11.11	cps
Sodium	23-2	10204	10438	10371	10337	1.16	cps
Strontium	86-1	1033	875	783	897	14.10	cps
Strontium	88-1	117	117	125	119	4.03	cps
Sulfur	34-1	588509	583451	579368	583776	0.78	cps
Terbium	159-1	5737857	5205817	5177601	5373758	5.87	cps
Terbium	159-2	2060615	2099344	1988903	2049621	2.73	cps
Thallium	203-1	117	133	75	108	27.74	cps
Thallium	205-1	200	83	125	136	43.43	cps
Tin	118-1	300	317	225	281	17.40	cps
Titanium	47-1	117	183	175	158	22.94	cps
Uranium	238-1	25	8	0	11	114.58	cps
Vanadium	51-2	13	10	13	12	15.73	cps
Yttrium	89-1	6285635	5660108	5637521	5861088	6.28	cps
Yttrium	89-2	316484	323921	305885	315430	2.87	cps
Zinc	66-2	130	133	183	149	20.07	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BL	Instrumnet Name :	P8
Client Sample ID :	PB115787BL	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:42:51	DataFile Name :	022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	442	400	417	419	5.00	cps
Zirconium	91-1	133	83	58	92	41.66	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BS	Instrumnet Name :	P8
Client Sample ID :	PB115787BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:46:15	DataFile Name :	023LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	95999	96286	97278	96521	0.70	cps
Antimony	121-1	2815447	2777907	2653840	2749065	3.08	cps
Arsenic	75-2	60072	61400	61456	60976	1.28	cps
Barium	135-1	2784431	2768270	2643204	2731969	2.83	cps
Barium	137-1	4798305	4783462	4553416	4711727	2.91	cps
Beryllium	9-1	705019	698534	663690	689081	3.23	cps
Bismuth	209-1	3079512	3232055	2921590	3077719	5.04	cps
Bismuth	209-2	1551933	1578873	1611003	1580603	1.87	cps
Boron	10-1	87248	89169	86997	87805	1.35	cps
Boron	11-1	425124	435063	422599	427595	1.54	cps
Cadmium	111-1	658442	654775	632895	648704	2.13	cps
Cadmium	106-1	72529	72630	68492	71217	3.31	cps
Cadmium	108-1	47609	48031	45560	47067	2.81	cps
Calcium	43-1	967236	975692	927312	956747	2.70	cps
Calcium	44-1	15488327	15430234	14852437	15256999	2.30	cps
Chromium	52-2	552185	564528	563010	559908	1.20	cps
Cobalt	59-2	1068264	1090113	1088496	1082291	1.12	cps
Copper	63-2	1850102	1861298	1890866	1867422	1.13	cps
Dysprosium	156-1	42	42	58	47	20.38	cps
Dysprosium	156-2	10	3	7	7	50.03	cps
Erbium	164-1	17	67	17	33	86.59	cps
Erbium	164-2	3	17	0	7	132.33	cps
Gadolinium	160-1	67	92	50	69	30.20	cps
Gadolinium	160-2	7	13	23	14	58.06	cps
Holmium	165-1	5410833	5719438	5160018	5430097	5.16	cps
Holmium	165-2	2114054	2188979	2188524	2163853	1.99	cps
Indium	115-1	5039133	5270798	4776184	5028705	4.92	cps
Indium	115-2	388326	403079	406385	399263	2.41	cps
Iron	56-2	19258159	19707231	19864351	19609914	1.60	cps
Iron	57-2	483755	493083	492660	489833	1.08	cps
Krypton	83-1	583	600	677	620	8.03	cps
Lead	206-1	1337703	1370149	1290603	1332818	3.00	cps
Lead	207-1	1211296	1237245	1168128	1205556	2.90	cps
Lead	208-1	5591211	5663457	5330497	5528388	3.17	cps
Lithium	6-1	1724867	1757133	1590184	1690728	5.24	cps
Magnesium	24-2	2267787	2296796	2352312	2305632	1.86	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BS	Instrumnet Name :	P8
Client Sample ID :	PB115787BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:46:15	DataFile Name :	023LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	334574	339325	342826	338908	1.22	cps
Molybdenum	94-1	5569502	5501802	5350316	5473874	2.05	cps
Molybdenum	95-1	6888695	6767774	6603724	6753398	2.12	cps
Molybdenum	96-1	7589337	7531281	7324982	7481867	1.86	cps
Molybdenum	97-1	4223656	4160116	4005337	4129703	2.72	cps
Molybdenum	98-1	10882544	10541542	10234682	10552922	3.07	cps
Neodymium	150-1	200	100	100	133	43.30	cps
Neodymium	150-2	0	7	7	4	86.60	cps
Nickel	60-2	317793	324695	322574	321687	1.10	cps
Phosphorus	31-2	6435	6719	6877	6677	3.35	cps
Potassium	39-2	624005	633377	644483	633955	1.62	cps
Rhodium	103-1	5148207	5335407	4916636	5133416	4.09	cps
Rhodium	103-2	2085698	2168799	2170377	2141624	2.26	cps
Scandium	45-1	4492551	4627095	4232113	4450586	4.51	cps
Scandium	45-2	54392	55315	56916	55541	2.30	cps
Selenium	77-2	490	457	507	484	5.26	cps
Selenium	78-2	1771	1732	1741	1748	1.16	cps
Selenium	82-1	46135	47192	44725	46017	2.69	cps
Silicon	28-1	2803237	2876635	2780350	2820074	1.78	cps
Silver	109-1	3154559	3135633	2982095	3090762	3.06	cps
Silver	107-1	3294572	3297253	3131966	3241264	2.92	cps
Sodium	23-2	4887738	5007280	5029946	4974988	1.54	cps
Strontium	86-1	880508	891408	849418	873778	2.49	cps
Strontium	88-1	7477175	7408068	7145015	7343419	2.39	cps
Sulfur	34-1	896940	896612	867983	887178	1.87	cps
Terbium	159-1	5611341	5864892	5321055	5599096	4.86	cps
Terbium	159-2	2080472	2143120	2188165	2137252	2.53	cps
Thallium	203-1	1689823	1735657	1645027	1690169	2.68	cps
Thallium	205-1	4015645	4143242	3903339	4020742	2.99	cps
Tin	118-1	2018956	2008258	1921492	1982902	2.70	cps
Titanium	47-1	2398565	2393029	2293755	2361783	2.50	cps
Uranium	238-1	5090964	5137512	4794883	5007786	3.71	cps
Vanadium	51-2	395973	401462	402590	400008	0.88	cps
Yttrium	89-1	5970981	6332493	5687650	5997041	5.39	cps
Yttrium	89-2	317448	326241	329334	324341	1.90	cps
Zinc	66-2	180124	183976	185269	183123	1.46	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	PB115787BS	Instrumnet Name :	P8
Client Sample ID :	PB115787BS	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:46:15	DataFile Name :	023LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4678476	4717663	4509316	4635152	2.39	cps
Zirconium	91-1	1026302	1037136	990761	1018066	2.38	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : J6379-04DLX2 Instrumnet Name : P8
 Client Sample ID : P001-SS003-1218-01DL Dilution Factor : 2
 Date & Time Acquired :: 2018-12-19 14:49:30 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	558800	561238	551004	557014	0.96	cps
Antimony	121-1	2159	1800	2167	2042	10.25	cps
Arsenic	75-2	4027	3936	4001	3988	1.17	cps
Barium	135-1	419647	415978	423777	419801	0.93	cps
Barium	137-1	725232	730526	739222	731660	0.97	cps
Beryllium	9-1	4287	3701	3987	3992	7.35	cps
Bismuth	209-1	2945469	3039339	3113277	3032695	2.77	cps
Bismuth	209-2	1563526	1412641	1560018	1512062	5.70	cps
Boron	10-1	3276	3025	3526	3276	7.63	cps
Boron	11-1	16610	15859	14558	15676	6.62	cps
Cadmium	111-1	2443	2385	2541	2456	3.21	cps
Cadmium	106-1	2667	2650	2684	2667	0.63	cps
Cadmium	108-1	308	267	292	289	7.26	cps
Calcium	43-1	653946	655684	679588	663073	2.16	cps
Calcium	44-1	10563487	10647134	10914117	10708246	1.71	cps
Chromium	52-2	129833	131426	130017	130425	0.67	cps
Cobalt	59-2	120647	122002	121746	121465	0.59	cps
Copper	63-2	274403	276942	273883	275076	0.59	cps
Dysprosium	156-1	56389	57327	56440	56719	0.93	cps
Dysprosium	156-2	25759	25335	25929	25674	1.19	cps
Erbium	164-1	49303	49554	51712	50190	2.64	cps
Erbium	164-2	19378	19745	19361	19495	1.11	cps
Gadolinium	160-1	58625	59771	58147	58848	1.42	cps
Gadolinium	160-2	30459	31111	29781	30450	2.18	cps
Holmium	165-1	5170758	5344777	5454228	5323254	2.69	cps
Holmium	165-2	2161919	1997931	2156645	2105498	4.43	cps
Indium	115-1	4776920	4976947	5072589	4942152	3.05	cps
Indium	115-2	409957	367434	404976	394122	5.90	cps
Iron	56-2	117419180	118102233	116227583	117249666	0.81	cps
Iron	57-2	2970170	2970384	2985950	2975501	0.30	cps
Krypton	83-1	640	637	683	653	3.98	cps
Lead	206-1	2793441	2758849	2859291	2803860	1.82	cps
Lead	207-1	2427074	2408509	2441578	2425720	0.68	cps
Lead	208-1	11174405	11066888	11326780	11189358	1.17	cps
Lithium	6-1	1610841	1643346	1700143	1651443	2.74	cps
Magnesium	24-2	1542510	1535046	1516982	1531513	0.86	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : J6379-04DLX2 Instrumnet Name : P8
 Client Sample ID : P001-SS003-1218-01DL Dilution Factor : 2
 Date & Time Acquired :: 2018-12-19 14:49:30 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	1151610	1162116	1140010	1151245	0.96	cps
Molybdenum	94-1	95343	98254	97600	97065	1.57	cps
Molybdenum	95-1	5610	6177	5843	5877	4.85	cps
Molybdenum	96-1	22737	21927	22770	22478	2.12	cps
Molybdenum	97-1	3817	3792	3859	3823	0.88	cps
Molybdenum	98-1	9779	9804	8962	9515	5.04	cps
Neodymium	150-1	65518	66167	65651	65778	0.52	cps
Neodymium	150-2	17312	17005	17605	17307	1.74	cps
Nickel	60-2	80179	80750	80450	80460	0.35	cps
Phosphorus	31-2	1684	1450	1867	1667	12.53	cps
Potassium	39-2	115613	116823	116092	116176	0.52	cps
Rhodium	103-1	4957608	5119811	5226939	5101453	2.66	cps
Rhodium	103-2	2176421	1958473	2125934	2086943	5.47	cps
Scandium	45-1	4489744	4645191	4757056	4630664	2.90	cps
Scandium	45-2	58501	52843	58632	56659	5.83	cps
Selenium	77-2	127	110	120	119	7.06	cps
Selenium	78-2	81	96	107	95	13.68	cps
Selenium	82-1	202	155	148	168	17.60	cps
Silicon	28-1	5263664	4985142	5037993	5095600	2.90	cps
Silver	109-1	1592	1558	1642	1597	2.63	cps
Silver	107-1	1684	1700	1567	1650	4.40	cps
Sodium	23-2	54463	55484	54137	54695	1.29	cps
Strontium	86-1	204814	202524	209401	205579	1.70	cps
Strontium	88-1	1737317	1739633	1806007	1760986	2.22	cps
Sulfur	34-1	519488	518824	515692	518001	0.39	cps
Terbium	159-1	5416410	5535609	5624146	5525388	1.89	cps
Terbium	159-2	2149057	1967614	2103666	2073446	4.55	cps
Thallium	203-1	1092	1025	1000	1039	4.56	cps
Thallium	205-1	2617	2625	2475	2573	3.28	cps
Tin	118-1	9112	9337	9212	9220	1.22	cps
Titanium	47-1	70194	70737	71567	70833	0.98	cps
Uranium	238-1	15252	15819	15227	15433	2.17	cps
Vanadium	51-2	63815	63688	62603	63368	1.05	cps
Yttrium	89-1	6679117	6960028	7095968	6911704	3.08	cps
Yttrium	89-2	385675	351901	376011	371195	4.69	cps
Zinc	66-2	130771	131368	131153	131097	0.23	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	J6379-04DLX2	Instrumnet Name :	P8
Client Sample ID :	P001-SS003-1218-01DL	Dilution Factor :	2
Date & Time Acquired ::	2018-12-19 14:49:30	DataFile Name :	024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	254895	261519	268640	261685	2.63	cps
Zirconium	91-1	57857	58284	57731	57957	0.50	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV91	Instrumnet Name :	P8
Client Sample ID :	CCV91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:52:49	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	546362	536905	541546	541604	0.87	cps
Antimony	121-1	2721129	2772809	2790596	2761511	1.31	cps
Arsenic	75-2	65932	63720	64541	64731	1.73	cps
Barium	135-1	2754875	2758226	2792863	2768654	0.76	cps
Barium	137-1	4779854	4847474	4781784	4803038	0.80	cps
Beryllium	9-1	685267	695222	694451	691647	0.80	cps
Bismuth	209-1	2968479	2969784	2824940	2921068	2.85	cps
Bismuth	209-2	1429444	1511177	1562363	1500995	4.47	cps
Boron	10-1	87030	89791	91172	89331	2.36	cps
Boron	11-1	429262	443673	446807	439914	2.13	cps
Cadmium	111-1	642906	644345	644877	644043	0.16	cps
Cadmium	106-1	72654	72906	71808	72456	0.79	cps
Cadmium	108-1	47216	47049	48011	47425	1.08	cps
Calcium	43-1	4821495	4796103	4863328	4826975	0.70	cps
Calcium	44-1	76310737	76912982	78314501	77179407	1.33	cps
Chromium	52-2	614405	601454	602029	605963	1.21	cps
Cobalt	59-2	1148838	1121563	1133166	1134522	1.21	cps
Copper	63-2	1919810	1880320	1870893	1890341	1.37	cps
Dysprosium	156-1	25	100	50	58	65.47	cps
Dysprosium	156-2	13	10	7	10	33.30	cps
Erbium	164-1	25	33	33	31	15.74	cps
Erbium	164-2	13	10	7	10	33.30	cps
Gadolinium	160-1	58	75	75	69	13.85	cps
Gadolinium	160-2	13	10	17	13	25.01	cps
Holmium	165-1	5365522	5421529	5160785	5315945	2.58	cps
Holmium	165-2	2049445	2171288	2252631	2157788	4.74	cps
Indium	115-1	4979946	4898007	4778478	4885477	2.07	cps
Indium	115-2	376996	402821	414907	398241	4.86	cps
Iron	56-2	102087705	100258405	101130869	101158993	0.90	cps
Iron	57-2	2618210	2563564	2567130	2582968	1.18	cps
Krypton	83-1	630	597	650	626	4.31	cps
Lead	206-1	1301565	1306124	1313007	1306899	0.44	cps
Lead	207-1	1191217	1189893	1190045	1190385	0.06	cps
Lead	208-1	5421398	5433848	5431197	5428814	0.12	cps
Lithium	6-1	1576592	1592657	1564569	1577939	0.89	cps
Magnesium	24-2	11790880	11647384	11590526	11676263	0.88	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV91	Instrumnet Name :	P8
Client Sample ID :	CCV91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:52:49	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	367603	358394	358350	361449	1.47	cps
Molybdenum	94-1	5618652	5630450	5690880	5646661	0.69	cps
Molybdenum	95-1	6920333	6932050	7007962	6953448	0.68	cps
Molybdenum	96-1	7682841	7744485	7793407	7740244	0.72	cps
Molybdenum	97-1	4257724	4309069	4307530	4291441	0.68	cps
Molybdenum	98-1	10846476	10917855	10962370	10908900	0.54	cps
Neodymium	150-1	133	180	160	158	14.84	cps
Neodymium	150-2	17	13	30	20	44.10	cps
Nickel	60-2	341085	335497	338300	338294	0.83	cps
Phosphorus	31-2	7311	7194	7844	7450	4.65	cps
Potassium	39-2	3406018	3359453	3366065	3377179	0.75	cps
Rhodium	103-1	4992333	5088828	4849587	4976916	2.42	cps
Rhodium	103-2	1973488	2123491	2165457	2087479	4.83	cps
Scandium	45-1	4572190	4540598	4463141	4525310	1.24	cps
Scandium	45-2	54111	59974	59288	57791	5.55	cps
Selenium	77-2	583	553	530	556	4.81	cps
Selenium	78-2	1789	1737	1700	1742	2.56	cps
Selenium	82-1	46452	47067	46667	46729	0.67	cps
Silicon	28-1	2780045	2820627	2804548	2801740	0.73	cps
Silver	109-1	3025472	3028890	3059884	3038082	0.62	cps
Silver	107-1	3193062	3224654	3243768	3220495	0.80	cps
Sodium	23-2	25733921	25436953	25691087	25620654	0.63	cps
Strontium	86-1	902405	898137	898901	899814	0.25	cps
Strontium	88-1	7530023	7666162	7584984	7593723	0.90	cps
Sulfur	34-1	880980	880966	886002	882649	0.33	cps
Terbium	159-1	5498225	5595820	5306725	5466923	2.69	cps
Terbium	159-2	2010486	2156744	2202006	2123079	4.71	cps
Thallium	203-1	1635288	1650959	1622720	1636322	0.86	cps
Thallium	205-1	3867441	3922143	3920409	3903331	0.80	cps
Tin	118-1	1995126	2008046	2009036	2004069	0.39	cps
Titanium	47-1	2483284	2463735	2487268	2478096	0.51	cps
Uranium	238-1	4968854	4987308	4910560	4955574	0.81	cps
Vanadium	51-2	432162	423242	428054	427819	1.04	cps
Yttrium	89-1	6108204	6102014	5917022	6042414	1.80	cps
Yttrium	89-2	317031	334129	342981	331381	3.98	cps
Zinc	66-2	193490	188131	190229	190617	1.42	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV91	Instrumnet Name :	P8
Client Sample ID :	CCV91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:52:49	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4781817	4891773	4908420	4860670	1.42	cps
Zirconium	91-1	1042668	1062172	1074049	1059630	1.50	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : CCB91 Instrumnet Name : P8
 Client Sample ID : CCB91 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-19 14:56:01 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	35	60	30	42	38.58	cps
Antimony	121-1	1408	1642	1642	1564	8.61	cps
Arsenic	75-2	22	20	17	20	14.31	cps
Barium	135-1	58	42	67	56	22.91	cps
Barium	137-1	117	42	42	67	64.95	cps
Beryllium	9-1	87	60	113	87	30.77	cps
Bismuth	209-1	3276793	3238199	3088882	3201292	3.10	cps
Bismuth	209-2	1678964	1699200	1638532	1672232	1.85	cps
Boron	10-1	2209	2109	1984	2100	5.37	cps
Boron	11-1	11347	10187	9178	10237	10.60	cps
Cadmium	111-1	1218	1224	951	1131	13.78	cps
Cadmium	106-1	1684	1734	1350	1589	13.12	cps
Cadmium	108-1	8	8	21	12	57.75	cps
Calcium	43-1	483	473	507	488	3.51	cps
Calcium	44-1	152842	158535	160864	157413	2.62	cps
Chromium	52-2	1333	1317	1300	1317	1.27	cps
Cobalt	59-2	73	57	70	67	13.22	cps
Copper	63-2	303	253	367	308	18.45	cps
Dysprosium	156-1	17	8	25	17	50.01	cps
Dysprosium	156-2	0	0	3	1	173.21	cps
Erbium	164-1	8	8	33	17	86.62	cps
Erbium	164-2	3	3	13	7	86.65	cps
Gadolinium	160-1	50	17	50	39	49.48	cps
Gadolinium	160-2	23	13	3	13	75.02	cps
Holmium	165-1	5578612	5570215	5485549	5544792	0.93	cps
Holmium	165-2	2221532	2205812	2223223	2216856	0.43	cps
Indium	115-1	5441781	5314023	5228379	5328061	2.02	cps
Indium	115-2	426001	424123	424870	424998	0.22	cps
Iron	56-2	3551	3223	3584	3452	5.78	cps
Iron	57-2	100	67	94	87	20.52	cps
Krypton	83-1	567	557	627	583	6.49	cps
Lead	206-1	778	750	644	724	9.72	cps
Lead	207-1	606	600	567	591	3.56	cps
Lead	208-1	3067	2850	2634	2850	7.60	cps
Lithium	6-1	1747499	1712069	1706832	1722133	1.28	cps
Magnesium	24-2	275	300	267	281	6.18	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB91	Instrumnet Name :	P8
Client Sample ID :	CCB91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:56:01	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	57	73	70	67	13.22	cps
Molybdenum	94-1	625	558	417	533	19.95	cps
Molybdenum	95-1	475	392	458	442	9.98	cps
Molybdenum	96-1	550	550	517	539	3.57	cps
Molybdenum	97-1	467	392	417	425	8.99	cps
Molybdenum	98-1	800	867	808	825	4.40	cps
Neodymium	150-1	13	20	13	16	24.76	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	73	73	70	72	2.66	cps
Phosphorus	31-2	8	8	17	11	43.34	cps
Potassium	39-2	6168	5668	5901	5913	4.23	cps
Rhodium	103-1	5550077	5513575	5379892	5481181	1.63	cps
Rhodium	103-2	2294485	2266604	2267573	2276221	0.70	cps
Scandium	45-1	4675920	4687370	4628617	4663969	0.67	cps
Scandium	45-2	57969	57146	57109	57408	0.85	cps
Selenium	77-2	0	0	7	2	173.21	cps
Selenium	78-2	6	2	4	4	50.09	cps
Selenium	82-1	-31	11	-29	-16	-146.51	cps
Silicon	28-1	353467	347214	347110	349264	1.04	cps
Silver	109-1	233	283	308	275	13.89	cps
Silver	107-1	367	333	350	350	4.76	cps
Sodium	23-2	20666	19990	20340	20332	1.66	cps
Strontium	86-1	883	825	983	897	8.93	cps
Strontium	88-1	183	133	167	161	15.80	cps
Sulfur	34-1	560553	555111	554980	556881	0.57	cps
Terbium	159-1	5957054	5770652	5640943	5789550	2.74	cps
Terbium	159-2	2165975	2192771	2183490	2180745	0.62	cps
Thallium	203-1	342	208	267	272	24.56	cps
Thallium	205-1	625	700	500	608	16.61	cps
Tin	118-1	617	608	508	578	10.43	cps
Titanium	47-1	167	183	192	181	7.05	cps
Uranium	238-1	75	92	67	78	16.37	cps
Vanadium	51-2	0	20	3	8	137.80	cps
Yttrium	89-1	6389184	6272226	6170411	6277274	1.74	cps
Yttrium	89-2	342463	338021	339827	340104	0.66	cps
Zinc	66-2	177	207	153	179	14.94	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB91	Instrumnet Name :	P8
Client Sample ID :	CCB91	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 14:56:01	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	700	592	508	600	16.02	cps
Zirconium	91-1	133	125	100	119	14.52	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : J6379-04DL2X5 Instrumnet Name : P8
 Client Sample ID : P001-SS003-1218-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-19 16:12:14 DataFile Name : 027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	221819	211819	226513	220050	3.41	cps
Antimony	121-1	500	517	750	589	23.74	cps
Arsenic	75-2	1570	1509	1537	1539	1.99	cps
Barium	135-1	175426	176943	177237	176535	0.55	cps
Barium	137-1	307011	308057	308411	307826	0.24	cps
Beryllium	9-1	1553	1663	1710	1642	4.90	cps
Bismuth	209-1	2995002	3024064	3084512	3034526	1.50	cps
Bismuth	209-2	1533331	1468898	1538210	1513480	2.56	cps
Boron	10-1	817	750	942	836	11.64	cps
Boron	11-1	3801	3901	3717	3806	2.41	cps
Cadmium	111-1	1708	1806	1688	1734	3.65	cps
Cadmium	106-1	2050	2209	2092	2117	3.88	cps
Cadmium	108-1	146	104	121	124	16.97	cps
Calcium	43-1	273266	277045	276501	275604	0.74	cps
Calcium	44-1	4535176	4550446	4573685	4553103	0.43	cps
Chromium	52-2	50842	49377	53030	51083	3.60	cps
Cobalt	59-2	46949	45528	48367	46948	3.02	cps
Copper	63-2	109038	103452	111695	108062	3.89	cps
Dysprosium	156-1	23689	23121	23029	23280	1.54	cps
Dysprosium	156-2	9874	9367	10281	9841	4.65	cps
Erbium	164-1	19832	20292	20959	20361	2.78	cps
Erbium	164-2	7712	7512	8173	7799	4.34	cps
Gadolinium	160-1	24724	24123	24082	24310	1.48	cps
Gadolinium	160-2	12163	12006	12583	12250	2.44	cps
Holmium	165-1	5213551	5184551	5358275	5252126	1.77	cps
Holmium	165-2	2094006	2013199	2096181	2067795	2.29	cps
Indium	115-1	4918761	4951391	4981241	4950464	0.63	cps
Indium	115-2	388629	376858	390695	385394	1.94	cps
Iron	56-2	46480836	44092422	47067679	45880312	3.43	cps
Iron	57-2	1153115	1098166	1171715	1140999	3.35	cps
Krypton	83-1	560	637	680	626	9.71	cps
Lead	206-1	1153451	1160253	1160535	1158080	0.35	cps
Lead	207-1	986680	969150	983455	979762	0.95	cps
Lead	208-1	4660975	4619281	4653200	4644485	0.48	cps
Lithium	6-1	1667579	1705143	1697799	1690174	1.18	cps
Magnesium	24-2	599050	580403	624098	601184	3.65	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : J6379-04DL2X5 Instrumnet Name : P8
 Client Sample ID : P001-SS003-1218-01DL Dilution Factor : 5
 Date & Time Acquired :: 2018-12-19 16:12:14 DataFile Name : 027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	445381	423419	454500	441100	3.62	cps
Molybdenum	94-1	39709	39826	40370	39968	0.88	cps
Molybdenum	95-1	2567	2650	2817	2678	4.75	cps
Molybdenum	96-1	9796	8987	9595	9459	4.45	cps
Molybdenum	97-1	1550	1400	1692	1547	9.43	cps
Molybdenum	98-1	3767	4109	4151	4009	5.25	cps
Neodymium	150-1	27577	27363	27657	27532	0.55	cps
Neodymium	150-2	7162	6862	7386	7137	3.68	cps
Nickel	60-2	31609	30724	32642	31658	3.03	cps
Phosphorus	31-2	700	658	842	733	13.11	cps
Potassium	39-2	49773	47105	51253	49377	4.26	cps
Rhodium	103-1	5006770	5046713	5196641	5083375	1.97	cps
Rhodium	103-2	2079446	2012795	2094942	2062394	2.12	cps
Scandium	45-1	4426128	4555870	4600755	4527584	2.00	cps
Scandium	45-2	54579	51213	54569	53454	3.63	cps
Selenium	77-2	50	37	53	47	18.89	cps
Selenium	78-2	48	35	44	43	15.67	cps
Selenium	82-1	75	16	9	33	107.98	cps
Silicon	28-1	5323864	5271707	5337986	5311185	0.66	cps
Silver	109-1	525	525	383	478	17.12	cps
Silver	107-1	642	717	617	658	7.91	cps
Sodium	23-2	16410	15542	17002	16318	4.50	cps
Strontium	86-1	87874	87722	86617	87404	0.78	cps
Strontium	88-1	728504	720595	720978	723359	0.62	cps
Sulfur	34-1	540336	532164	529085	533862	1.09	cps
Terbium	159-1	5471220	5447863	5553782	5490955	1.01	cps
Terbium	159-2	2026974	1978581	2086434	2030663	2.66	cps
Thallium	203-1	317	300	283	300	5.56	cps
Thallium	205-1	725	817	742	761	6.42	cps
Tin	118-1	908	833	917	886	5.18	cps
Titanium	47-1	34744	36423	35304	35491	2.41	cps
Uranium	238-1	5735	6877	6369	6327	9.05	cps
Vanadium	51-2	24712	23540	25630	24628	4.25	cps
Yttrium	89-1	6286742	6284832	6369125	6313566	0.76	cps
Yttrium	89-2	330883	319860	335395	328713	2.43	cps
Zinc	66-2	51860	49639	52499	51333	2.92	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	J6379-04DL2X5	Instrumnet Name :	P8
Client Sample ID :	P001-SS003-1218-01DL1	Dilution Factor :	5
Date & Time Acquired ::	2018-12-19 16:12:14	DataFile Name :	027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	112184	110640	109227	110684	1.34	cps
Zirconium	91-1	23788	24965	22870	23874	4.40	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV92	Instrumnet Name :	P8
Client Sample ID :	CCV92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:15:36	DataFile Name :	028CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	532514	533870	534353	533579	0.18	cps
Antimony	121-1	2750880	2745413	2675421	2723905	1.54	cps
Arsenic	75-2	63062	63359	62961	63127	0.33	cps
Barium	135-1	2777728	2735697	2702244	2738556	1.38	cps
Barium	137-1	4803917	4724882	4669837	4732878	1.42	cps
Beryllium	9-1	710016	704784	680208	698336	2.28	cps
Bismuth	209-1	2987026	2932643	2671916	2863862	5.88	cps
Bismuth	209-2	1506867	1535400	1522434	1521567	0.94	cps
Boron	10-1	91709	91365	92229	91768	0.47	cps
Boron	11-1	445888	444926	441900	444238	0.47	cps
Cadmium	111-1	649480	646038	621486	639001	2.39	cps
Cadmium	106-1	71841	70770	69429	70680	1.71	cps
Cadmium	108-1	47513	47642	44816	46657	3.42	cps
Calcium	43-1	4769980	4741961	4636653	4716198	1.49	cps
Calcium	44-1	76095919	76026926	74167066	75429970	1.45	cps
Chromium	52-2	594767	596785	599614	597055	0.41	cps
Cobalt	59-2	1100343	1116269	1112083	1109565	0.74	cps
Copper	63-2	1859568	1839325	1865147	1854680	0.73	cps
Dysprosium	156-1	108	92	33	78	50.63	cps
Dysprosium	156-2	13	7	13	11	34.61	cps
Erbium	164-1	25	33	8	22	57.29	cps
Erbium	164-2	3	13	7	8	65.47	cps
Gadolinium	160-1	67	33	75	58	37.80	cps
Gadolinium	160-2	23	23	30	26	15.07	cps
Holmium	165-1	5415070	5398134	4847603	5220269	6.18	cps
Holmium	165-2	2184917	2214543	2205571	2201677	0.69	cps
Indium	115-1	5035047	4965417	4514115	4838193	5.85	cps
Indium	115-2	404416	412300	401527	406081	1.37	cps
Iron	56-2	98829227	98949799	99646644	99141890	0.45	cps
Iron	57-2	2509620	2530436	2549976	2530011	0.80	cps
Krypton	83-1	580	617	597	598	3.07	cps
Lead	206-1	1286688	1272928	1266621	1275412	0.80	cps
Lead	207-1	1167652	1151424	1135398	1151491	1.40	cps
Lead	208-1	5389370	5234219	5194386	5272658	1.95	cps
Lithium	6-1	1664738	1664783	1527976	1619166	4.88	cps
Magnesium	24-2	11487540	11568959	11581573	11546024	0.44	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV92	Instrumnet Name :	P8
Client Sample ID :	CCV92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:15:36	DataFile Name :	028CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	350486	353560	355790	353279	0.75	cps
Molybdenum	94-1	5573368	5573100	5428500	5524989	1.51	cps
Molybdenum	95-1	6901626	6917670	6750605	6856634	1.34	cps
Molybdenum	96-1	7636001	7715130	7433427	7594852	1.91	cps
Molybdenum	97-1	4253843	4247620	4102268	4201244	2.04	cps
Molybdenum	98-1	10860335	10806872	10491742	10719650	1.86	cps
Neodymium	150-1	187	187	113	162	26.10	cps
Neodymium	150-2	30	10	13	18	60.28	cps
Nickel	60-2	332448	335246	332771	333488	0.46	cps
Phosphorus	31-2	7344	7511	6994	7283	3.62	cps
Potassium	39-2	3340683	3308348	3371855	3340295	0.95	cps
Rhodium	103-1	5052034	5077218	4552120	4893791	6.05	cps
Rhodium	103-2	2106633	2142622	2106854	2118703	0.98	cps
Scandium	45-1	4669139	4578743	4161927	4469937	6.05	cps
Scandium	45-2	57213	59740	58839	58597	2.19	cps
Selenium	77-2	497	487	570	518	8.79	cps
Selenium	78-2	1754	1741	1830	1775	2.71	cps
Selenium	82-1	46743	46392	45152	46095	1.81	cps
Silicon	28-1	2742752	2785368	2733759	2753960	1.00	cps
Silver	109-1	3040795	2994749	2915777	2983774	2.12	cps
Silver	107-1	3224837	3186575	3101499	3170970	1.99	cps
Sodium	23-2	25151775	25336544	25610906	25366408	0.91	cps
Strontium	86-1	898456	891673	859238	883122	2.37	cps
Strontium	88-1	7605787	7526941	7324667	7485798	1.94	cps
Sulfur	34-1	904535	901689	888289	898171	0.97	cps
Terbium	159-1	5609783	5546628	5032382	5396264	5.87	cps
Terbium	159-2	2132412	2197379	2118764	2149518	1.95	cps
Thallium	203-1	1632369	1605803	1568878	1602350	1.99	cps
Thallium	205-1	3848466	3852751	3810370	3837196	0.61	cps
Tin	118-1	2016172	1983449	1951884	1983835	1.62	cps
Titanium	47-1	2464462	2487794	2377129	2443128	2.39	cps
Uranium	238-1	4891732	4866208	4625874	4794605	3.06	cps
Vanadium	51-2	420994	420029	422114	421045	0.25	cps
Yttrium	89-1	6206406	6205877	5561123	5991135	6.22	cps
Yttrium	89-2	334910	341951	334849	337236	1.21	cps
Zinc	66-2	185631	186198	186610	186146	0.26	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCV92	Instrumnet Name :	P8
Client Sample ID :	CCV92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:15:36	DataFile Name :	028CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	4831008	4840497	4676506	4782670	1.92	cps
Zirconium	91-1	1054624	1061275	1017597	1044499	2.25	cps

LB Number : LB99943 Operator : Jaswal
 Lab Sample ID : CCB92 Instrumnet Name : P8
 Client Sample ID : CCB92 Dilution Factor : 1
 Date & Time Acquired :: 2018-12-19 16:18:49 DataFile Name : 029CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	68	38	25	43	50.40	cps
Antimony	121-1	1183	1192	1392	1256	9.40	cps
Arsenic	75-2	4	7	11	7	50.02	cps
Barium	135-1	17	42	58	39	53.93	cps
Barium	137-1	33	42	142	72	83.46	cps
Beryllium	9-1	60	37	67	54	28.93	cps
Bismuth	209-1	2838064	3025426	2619123	2827538	7.19	cps
Bismuth	209-2	1409932	1586779	1605582	1534098	7.04	cps
Boron	10-1	1633	1567	1558	1586	2.59	cps
Boron	11-1	8019	7594	7044	7552	6.48	cps
Cadmium	111-1	1254	1259	1083	1199	8.33	cps
Cadmium	106-1	1800	1775	1508	1695	9.54	cps
Cadmium	108-1	21	13	8	14	45.83	cps
Calcium	43-1	413	530	540	494	14.24	cps
Calcium	44-1	149796	150652	149884	150111	0.31	cps
Chromium	52-2	1303	1407	1410	1373	4.42	cps
Cobalt	59-2	70	77	53	67	18.03	cps
Copper	63-2	300	270	207	259	18.41	cps
Dysprosium	156-1	0	0	8	3	173.21	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	17	25	33	25	33.32	cps
Erbium	164-2	0	3	3	2	86.60	cps
Gadolinium	160-1	75	58	25	53	48.24	cps
Gadolinium	160-2	7	17	13	12	41.65	cps
Holmium	165-1	4996016	5214886	4670070	4960324	5.53	cps
Holmium	165-2	1906682	2145507	2216473	2089554	7.77	cps
Indium	115-1	4762153	4997241	4466574	4741989	5.61	cps
Indium	115-2	367999	416113	416607	400240	6.98	cps
Iron	56-2	3184	3162	2850	3065	6.08	cps
Iron	57-2	117	111	78	102	20.65	cps
Krypton	83-1	627	603	683	638	6.45	cps
Lead	206-1	433	406	400	413	4.32	cps
Lead	207-1	372	461	378	404	12.33	cps
Lead	208-1	1783	1911	1622	1772	8.17	cps
Lithium	6-1	1547871	1620358	1442878	1537035	5.81	cps
Magnesium	24-2	375	225	308	303	24.82	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB92	Instrumnet Name :	P8
Client Sample ID :	CCB92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:18:49	DataFile Name :	029CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Manganese	55-2	57	73	43	58	26.01	cps
Molybdenum	94-1	450	458	675	528	24.17	cps
Molybdenum	95-1	375	408	467	417	11.14	cps
Molybdenum	96-1	450	608	692	583	21.04	cps
Molybdenum	97-1	350	375	317	347	8.43	cps
Molybdenum	98-1	783	600	800	728	15.25	cps
Neodymium	150-1	0	20	20	13	86.60	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	47	53	73	58	24.02	cps
Phosphorus	31-2	17	25	8	17	50.01	cps
Potassium	39-2	5801	5751	5977	5843	2.02	cps
Rhodium	103-1	4955675	5238611	4682332	4958872	5.61	cps
Rhodium	103-2	1967792	2235043	2261014	2154616	7.53	cps
Scandium	45-1	4232764	4480526	3965933	4226408	6.09	cps
Scandium	45-2	49681	56322	57551	54518	7.77	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	2	0	4	2	100.00	cps
Selenium	82-1	-39	-21	-85	-48	-68.48	cps
Silicon	28-1	343154	343476	339731	342120	0.61	cps
Silver	109-1	258	267	250	258	3.22	cps
Silver	107-1	400	358	433	397	9.46	cps
Sodium	23-2	18262	18738	18137	18379	1.72	cps
Strontium	86-1	983	875	942	933	5.86	cps
Strontium	88-1	100	92	275	156	66.56	cps
Sulfur	34-1	554765	562136	551553	556151	0.98	cps
Terbium	159-1	5146126	5440211	4807611	5131316	6.17	cps
Terbium	159-2	1898610	2134632	2146296	2059846	6.78	cps
Thallium	203-1	225	225	225	225	0.00	cps
Thallium	205-1	592	558	433	528	15.82	cps
Tin	118-1	325	458	433	406	17.48	cps
Titanium	47-1	142	233	192	189	24.30	cps
Uranium	238-1	50	50	83	61	31.50	cps
Vanadium	51-2	20	0	7	9	114.55	cps
Yttrium	89-1	5661567	6037497	5362918	5687327	5.94	cps
Yttrium	89-2	294881	333932	330875	319896	6.79	cps
Zinc	66-2	173	170	153	166	6.47	cps

LB Number :	LB99943	Operator :	Jaswal
Lab Sample ID :	CCB92	Instrumnet Name :	P8
Client Sample ID :	CCB92	Dilution Factor :	1
Date & Time Acquired ::	2018-12-19 16:18:49	DataFile Name :	029CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Zirconium	90-1	433	683	500	539	24.02	cps
Zirconium	91-1	92	33	150	92	63.64	cps