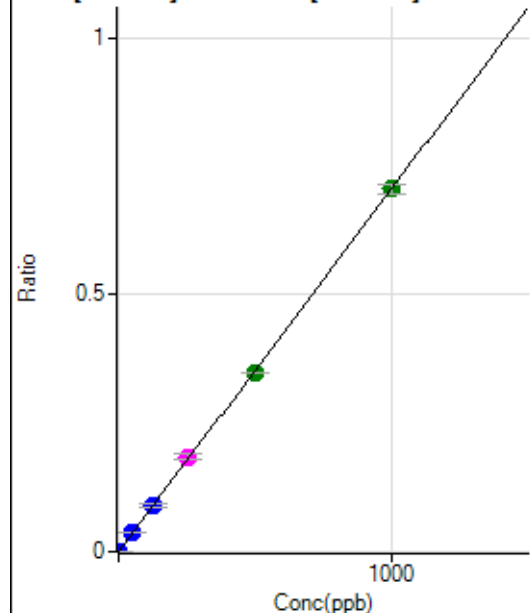


Batch Folder: D:\Agilent\ICPMH\1\DATA\P8100821 MS.b\
Analysis File: P8100821 MS.batch.bin
DA Date-Time: 2021-10-08 14:40:54
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2021-10-08 11:13:13
2	005CALS.d	S02	2021-10-08 11:19:21
3	006CALS.d	S03	2021-10-08 11:22:27
4	007CALS.d	S04	2021-10-08 11:25:31
5	008CALS.d	S05	2021-10-08 11:28:37
6	009CALS.d	S06	2021-10-08 11:31:39
7	010CALS.d	S07	2021-10-08 11:34:45
8	011CALS.d	S08	2021-10-08 11:37:49

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	112.65	0.0000	P	17.2
2	☐	1.000	1.059	4470.47	0.0008	P	2.7
3	☐	50.000	51.463	210882.98	0.0363	P	0.8
4	☐	125.000	127.191	514407.80	0.0897	P	6.1
5	☐	250.000	259.963	1008605.55	0.1834	M	6.1
6	☐	500.000	494.080	1911794.22	0.3485	A	0.1
7	☐	1000.000	1000.122	3643905.14	0.7054	A	2.3
8	☐			345.27	0.0001	P	11.8

$$y = 7.0528\text{E-}004 * x + 1.9632\text{E-}005$$

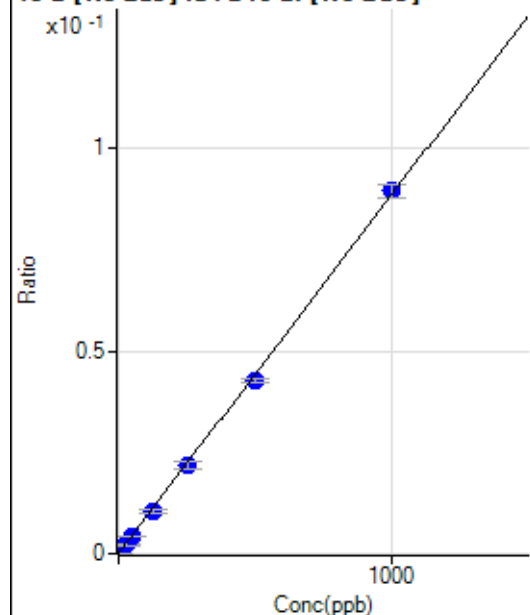
$$R = 0.9999$$

$$DL = 0.0144$$

$$BEC = 0.02784$$

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	547.90	0.0001	P	9.7
2	☐	25.000	23.111	12490.19	0.0021	P	4.8
3	☐	50.000	48.146	25306.81	0.0044	P	3.0
4	☐	125.000	116.732	59684.29	0.0104	P	9.9
5	☐	250.000	246.205	120174.26	0.0219	P	9.5
6	☐	500.000	481.770	234369.48	0.0427	P	3.0
7	☐	1000.000	1011.237	462603.34	0.0896	P	3.9
8	☐			37105.59	0.0073	P	10.7

$$y = 8.8473\text{E-}005 * x + 9.5488\text{E-}005$$

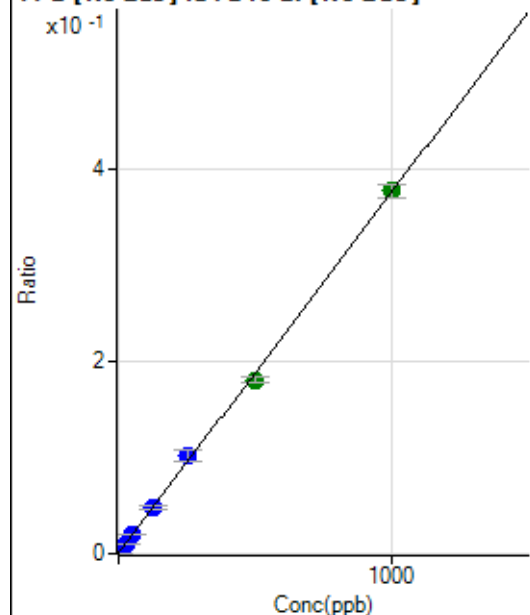
$$R = 0.9997$$

$$DL = 0.3144$$

$$BEC = 1.079$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2465.06	0.0004	P	3.5
2	☐	25.000	25.962	59472.81	0.0102	P	4.7
3	☐	50.000	52.224	116618.81	0.0201	P	4.1
4	☐	125.000	127.034	275853.33	0.0482	P	10.9
5	☐	250.000	270.322	560426.74	0.1021	P	10.5
6	☐	500.000	480.889	994004.46	0.1812	A	2.7
7	☐	1000.000	1004.086	1952082.25	0.3780	A	3.8
8	☐			172596.96	0.0338	P	10.1

$$y = 3.7600\text{E-}004 * x + 4.2934\text{E-}004$$

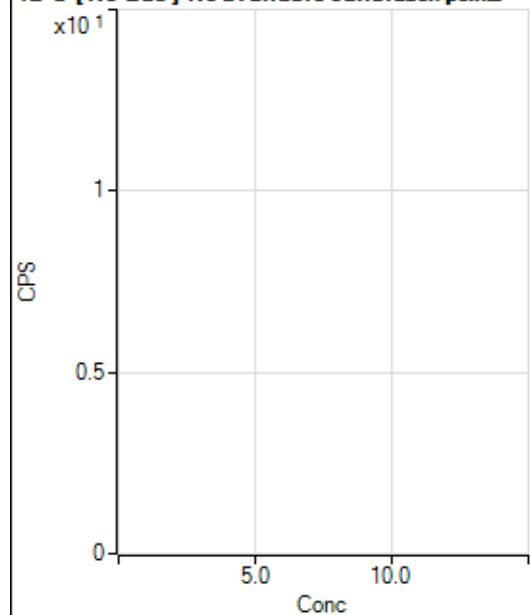
$$R = 0.9995$$

$$DL = 0.1198$$

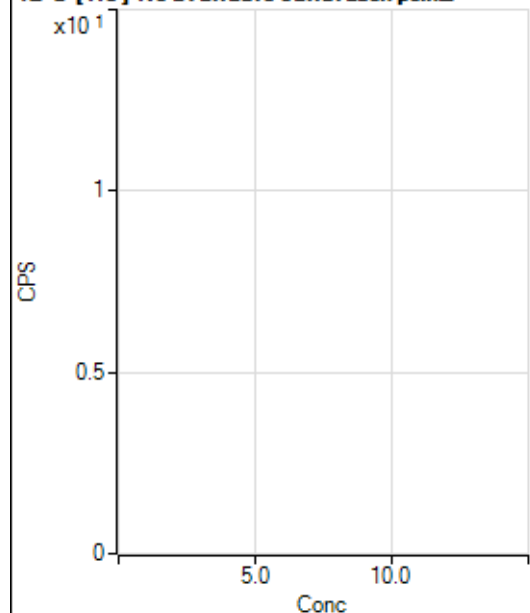
$$BEC = 1.142$$

Weight: <None>

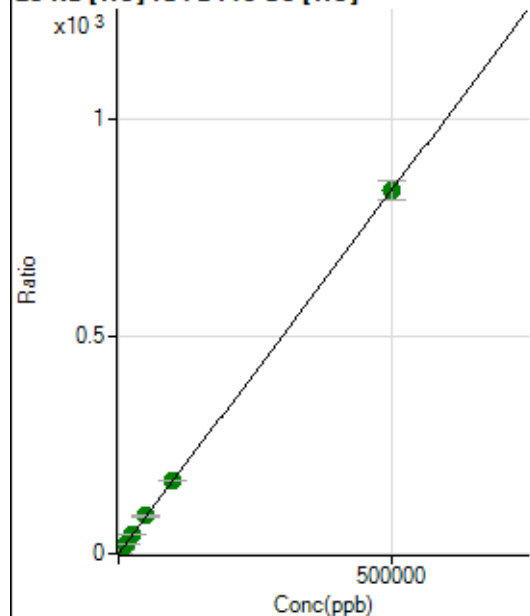
Min Conc: 0

12 C [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			7564702.86		A	0.6
2	☐			7458425.78		A	0.8
3	☐			8382444.63		A	1.6
4	☐			7897945.31		A	0.8
5	☐			8391568.51		A	1.8
6	☐			8697265.56		A	1.4
7	☐			9207273.99		A	0.7
8	☐			11020974.03		A	1.1

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			70089.41		P	0.5
2	☐			69051.43		P	1.5
3	☐			77169.63		P	0.4
4	☐			73388.91		P	0.7
5	☐			80359.01		P	1.6
6	☐			81520.43		P	1.4
7	☐			88077.55		P	0.7
8	☐			112714.44		P	1.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	27468.08	0.1122	P	2.9
2	☐	500.000	555.650	267107.72	1.0411	P	0.9
3	☐	5000.000	5381.509	2309636.68	9.1088	A	2.0
4	☐	12500.000	13093.445	5450954.76	22.0014	A	1.8
5	☐	25000.000	26939.904	11009133.93	45.1495	A	2.7
6	☐	50000.000	51845.832	21346939.19	86.7865	A	1.5
7	☐	100000.00	100683.62	42759425.26	168.4321	A	1.4
8	☐	500000.00	499562.98	217152138.1	835.2671	A	5.3

$$y = 0.0017 * x + 0.1122$$

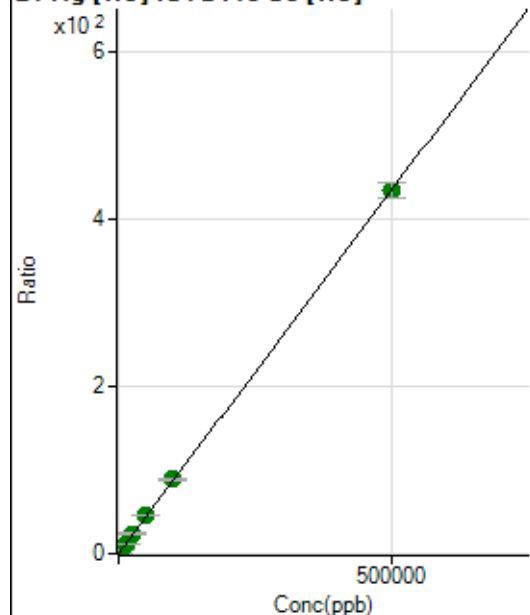
$$R = 1.0000$$

$$DL = 5.741$$

$$BEC = 67.1$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	405.57	0.0017	P	16.8
2	☐	500.000	569.612	127297.72	0.4962	P	1.0
3	☐	5000.000	5625.312	1238766.83	4.8852	A	1.8
4	☐	12500.000	13486.604	2901448.63	11.7098	A	1.2
5	☐	25000.000	27517.125	5825569.14	23.8902	A	2.1
6	☐	50000.000	52908.267	11298040.18	45.9332	A	2.2
7	☐	100000.00	102381.37	22566630.71	88.8825	A	1.3
8	☐	500000.00	499076.05	112681613.6	433.2670	A	4.2

$$y = 8.6813\text{E-}004 * x + 0.0017$$

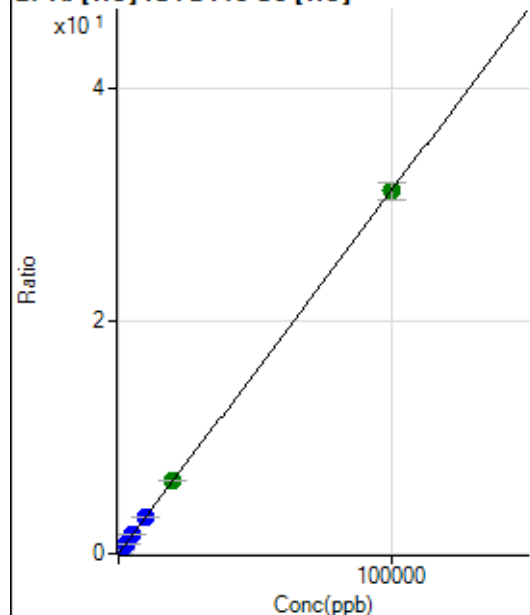
R = 1.0000

DL = 0.9605

BEC = 1.908

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	173.73	0.0007	P	5.9
2	☐	20.000	22.923	2017.81	0.0079	P	3.5
3	☐	1000.000	1071.685	85028.88	0.3353	P	0.6
4	☐	2500.000	2600.438	201317.74	0.8126	P	2.3
5	☐	5000.000	5325.861	405621.85	1.6636	P	2.7
6	☐	10000.000	10187.908	782577.49	3.1816	P	1.5
7	☐	20000.000	20098.033	1593414.80	6.2758	A	0.9
8	☐	100000.00	99942.081	8114473.10	31.2051	A	4.5

$$y = 3.1222\text{E-}004 * x + 7.0904\text{E-}004$$

R = 1.0000

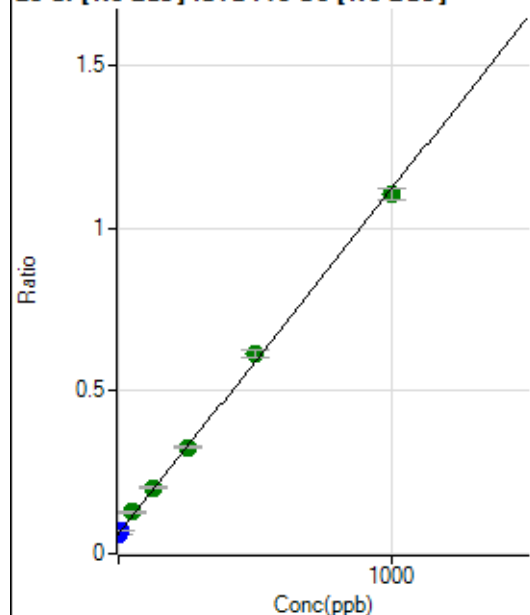
DL = 0.4026

BEC = 2.271

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	618519.88	0.0614	P	1.3
2	☐	10.000	9.654	736788.26	0.0716	P	1.5
3	☐	50.000	62.936	1313532.70	0.1281	A	6.6
4	☐	125.000	132.707	2038889.65	0.2021	A	3.2
5	☐	250.000	251.002	3280190.20	0.3275	A	3.2
6	☐	500.000	521.497	6195528.31	0.6143	A	3.1
7	☐	1000.000	987.394	11091943.74	1.1083	A	3.3
8	☐			1254122.63	0.1211	A	4.1

$$y = 0.0011 * x + 0.0614$$

$$R = 0.9996$$

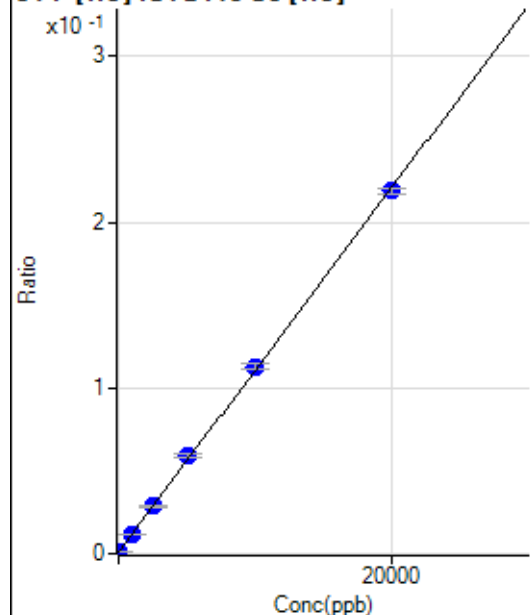
$$DL = 2.183$$

$$BEC = 57.9$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-6.295	186.12	0.0008	P	13.2
2	☐	0.000	6.295	230.56	0.0009	P	10.6
3	☐	1000.000	1002.926	3005.94	0.0119	P	3.0
4	☐	2500.000	2541.211	7121.41	0.0288	P	5.3
5	☐	5000.000	5272.039	14332.38	0.0588	P	3.4
6	☐	10000.000	10180.579	27724.26	0.1127	P	2.9
7	☐	20000.000	19836.403	55565.59	0.2188	P	1.3
8	☐			177.78	0.0007	P	24.4

$$y = 1.0990E-005 * x + 8.2926E-004$$

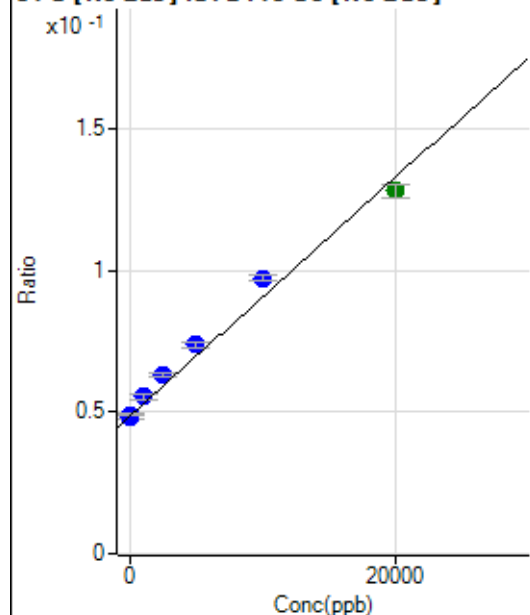
$$R = 0.9998$$

$$DL = 26.73$$

$$BEC = 75.45$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	-109.447	484911.47	0.0481	P	1.7
2	☐	0.000	109.447	504585.44	0.0491	P	1.7
3	☐	1000.000	1588.220	566467.40	0.0553	P	2.9
4	☐	2500.000	3457.443	637133.80	0.0631	P	2.7
5	☐	5000.000	5938.125	737043.54	0.0736	P	2.7
6	☐	10000.000	11538.475	979590.62	0.0972	P	1.8
7	☐	20000.000	18847.140	1280075.26	0.1279	A	3.6
8	☐			391585.03	0.0378	P	3.2

$$y = 4.2091\text{E-}006 * x + 0.0486$$

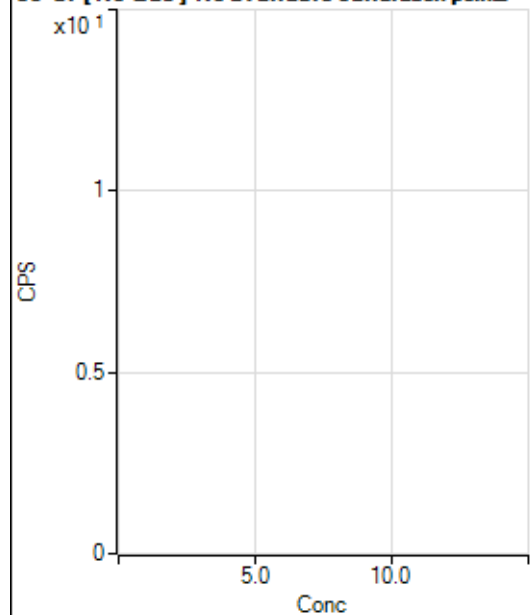
$$R = 0.9933$$

$$DL = 587$$

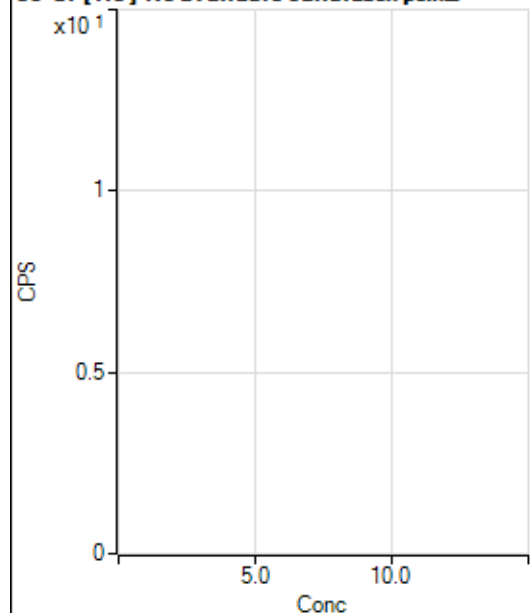
$$BEC = 1.154\text{E}+04$$

Weight: <None>

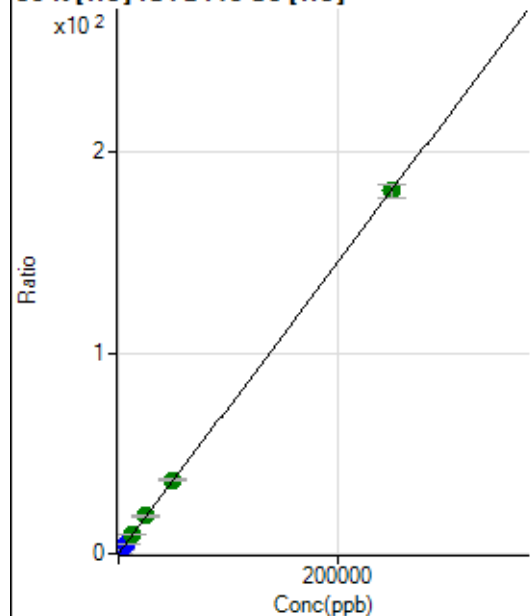
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1792051.88		A	2.7
2	☐			1538765.19		A	3.7
3	☐			1511229.97		A	2.1
4	☐			1419029.72		A	1.7
5	☐			1316182.73		A	1.5
6	☐			1244112.57		A	1.3
7	☐			1283152.62		A	2.3
8	☐			1549520.46		A	1.2

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11588.24		P	1.5
2	☐			10037.08		P	5.3
3	☐			9942.53		P	4.2
4	☐			9019.75		P	4.4
5	☐			8733.41		P	4.8
6	☐			8244.22		P	6.4
7	☐			8494.37		P	5.1
8	☐			10698.63		P	3.9

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	23322.09	0.0952	P	1.5
2	☐	500.000	522.391	121385.38	0.4731	P	1.4
3	☐	2500.000	2676.633	515161.62	2.0317	P	1.5
4	☐	6250.000	6492.042	1187225.48	4.7920	P	2.1
5	☐	12500.000	13273.954	2364570.67	9.6985	A	3.3
6	☐	25000.000	25818.997	4617797.63	18.7745	A	2.2
7	☐	50000.000	50275.205	9257675.81	36.4679	A	2.5
8	☐	250000.00	249816.49	47036031.96	180.8304	A	3.6

$$y = 7.2347E-004 * x + 0.0952$$

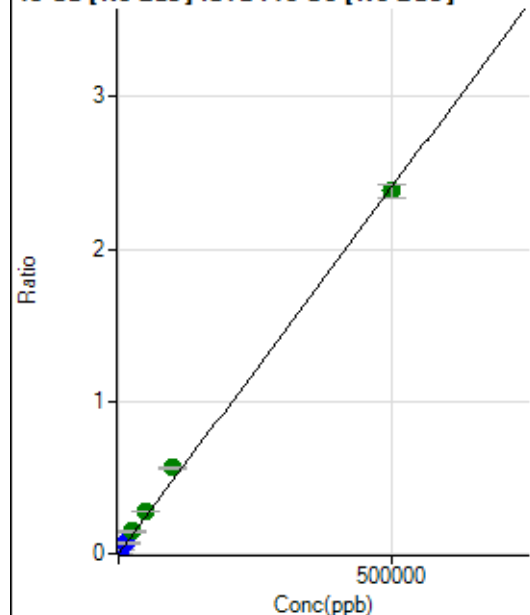
$$R = 1.0000$$

$$DL = 6.059$$

$$BEC = 131.6$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1004.92	0.0001	P	8.1
2	☐	500.000	527.604	27115.77	0.0026	P	2.2
3	☐	5000.000	5928.658	293211.96	0.0286	P	1.3
4	☐	12500.000	14637.665	710867.89	0.0705	P	3.8
5	☐	25000.000	30471.074	1467622.34	0.1466	A	5.0
6	☐	50000.000	58788.203	2850815.22	0.2827	A	0.7
7	☐	100000.00	117425.63	5650992.18	0.5646	A	2.3
8	☐	500000.00	495299.74	24668613.34	2.3813	A	3.9

$$y = 4.8076\text{E-}006 * x + 9.9766\text{E-}005$$

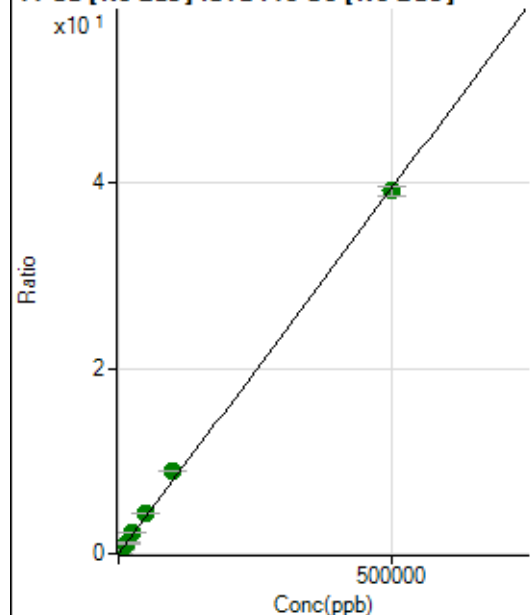
$$R = 0.9993$$

$$DL = 5.015$$

$$BEC = 20.75$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	52066.66	0.0052	P	4.5
2	☐	500.000	516.664	472622.81	0.0459	P	1.4
3	☐	5000.000	5772.549	4723445.62	0.4608	A	1.5
4	☐	12500.000	14139.689	11308779.34	1.1211	A	4.0
5	☐	25000.000	28866.525	22864513.43	2.2834	A	4.4
6	☐	50000.000	55387.802	44130005.07	4.3766	A	0.7
7	☐	100000.00	112966.61	89288168.29	8.9209	A	1.8
8	☐	500000.00	496625.83	406183874.3	39.2005	A	2.5

$$y = 7.8923\text{E-}005 * x + 0.0052$$

$$R = 0.9996$$

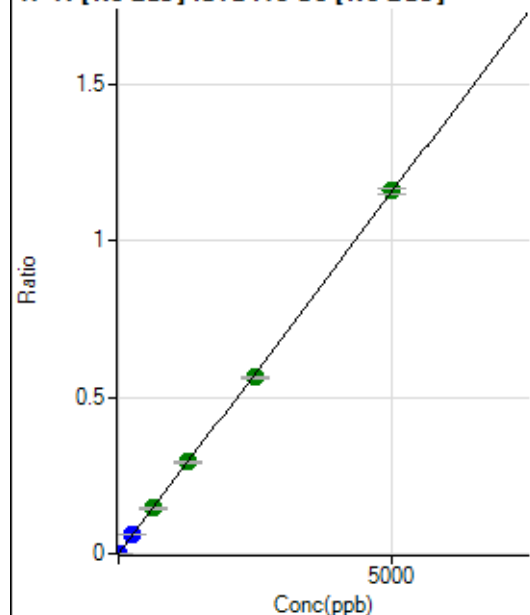
$$DL = 8.796$$

$$BEC = 65.5$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	294.46	0.0000	P	19.9
2	☐	5.000	5.083	12344.47	0.0012	P	2.7
3	☐	250.000	256.529	606197.55	0.0591	P	0.8
4	☐	625.000	630.726	1465872.45	0.1453	A	4.3
5	☐	1250.000	1273.619	2939782.83	0.2934	A	1.6
6	☐	2500.000	2437.624	5662477.47	0.5616	A	0.9
7	☐	5000.000	5024.241	11586427.69	1.1575	A	1.6
8	☐			2044.65	0.0002	P	2.5

$$y = 2.3037E-004 * x + 2.9150E-005$$

R = 0.9999

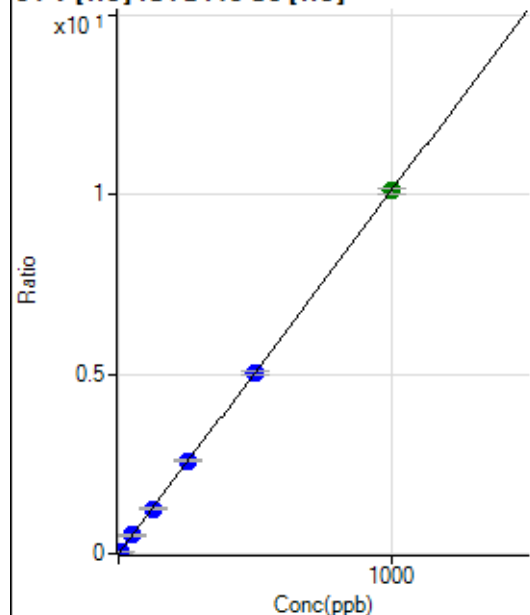
DL = 0.0755

BEC = 0.1265

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	32.22	0.0001	P	14.6
2	☐	5.000	5.133	13346.30	0.0520	P	0.6
3	☐	50.000	50.323	129032.92	0.5089	P	1.8
4	☐	125.000	124.360	311521.42	1.2573	P	1.6
5	☐	250.000	256.136	631354.95	2.5895	P	3.0
6	☐	500.000	498.267	1239001.74	5.0373	P	1.6
7	☐	1000.000	999.396	2564989.77	10.1034	A	1.6
8	☐			411.12	0.0016	P	14.3

$$y = 0.0101 * x + 1.3186E-004$$

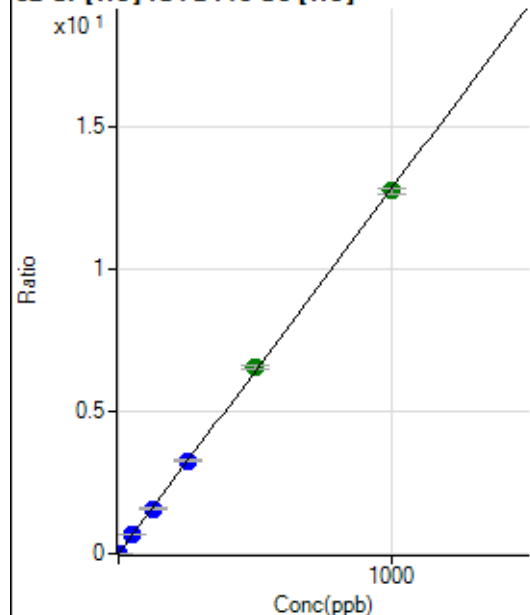
R = 1.0000

DL = 0.005719

BEC = 0.01304

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1166.73	0.0048	P	2.1
2	☐	2.000	2.044	7941.15	0.0310	P	3.2
3	☐	50.000	50.133	164066.33	0.6470	P	1.6
4	☐	125.000	123.133	391969.55	1.5822	P	2.4
5	☐	250.000	253.582	793282.26	3.2534	P	2.4
6	☐	500.000	510.357	1609295.12	6.5430	A	2.4
7	☐	1000.000	994.153	3234437.14	12.7409	A	1.7
8	☐			11473.60	0.0441	P	4.9

$$y = 0.0128 * x + 0.0048$$

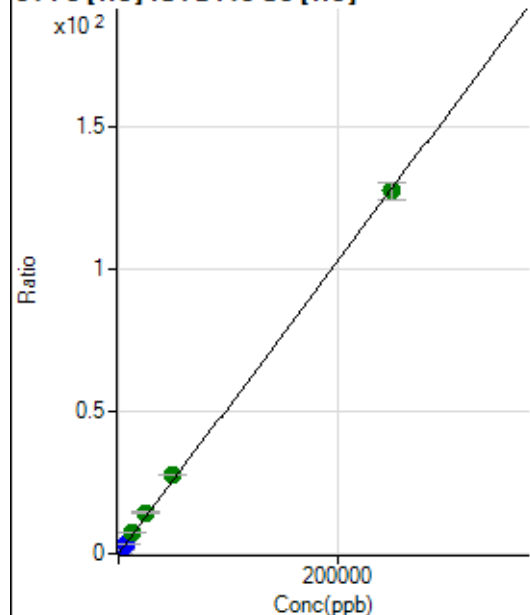
$$R = 0.9999$$

$$DL = 0.02373$$

$$BEC = 0.3719$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	840.78	0.0034	P	23.3
2	☐	50.000	59.255	8686.12	0.0339	P	6.0
3	☐	2500.000	2809.548	366666.52	1.4459	P	0.3
4	☐	6250.000	6907.809	879583.85	3.5501	P	1.7
5	☐	12500.000	14683.176	1838953.79	7.5422	A	2.5
6	☐	25000.000	28161.827	3557330.20	14.4625	A	1.7
7	☐	50000.000	54066.797	7047913.93	27.7628	A	1.8
8	☐	250000.00	248741.75	33210353.29	127.7142	A	4.6

$$y = 5.1343E-004 * x + 0.0034$$

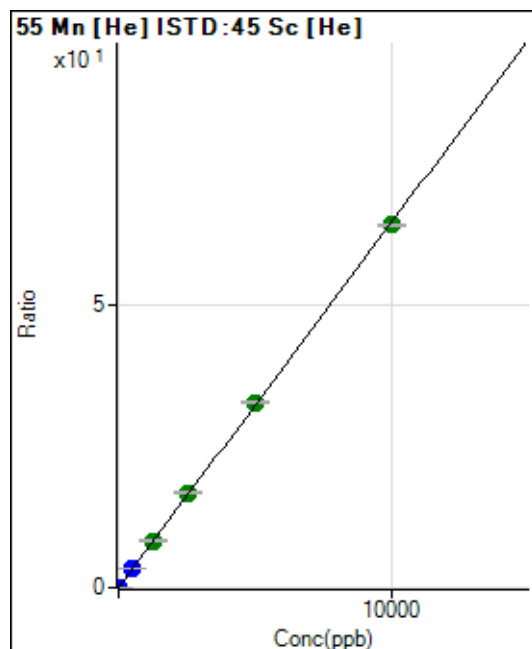
$$R = 0.9998$$

$$DL = 4.699$$

$$BEC = 6.712$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	172.22	0.0007	P	4.9
2	☐	1.000	1.015	1864.59	0.0073	P	1.9
3	☐	500.000	508.463	834304.66	3.2902	P	0.9
4	☐	1250.000	1277.266	2047155.79	8.2639	A	2.6
5	☐	2500.000	2604.825	4109778.55	16.8525	A	3.0
6	☐	5000.000	5072.316	8071659.67	32.8158	A	1.5
7	☐	10000.000	9933.804	16316052.40	64.2669	A	0.7
8	☐			20474.78	0.0787	P	4.8

$$y = 0.0065 * x + 7.0234E-004$$

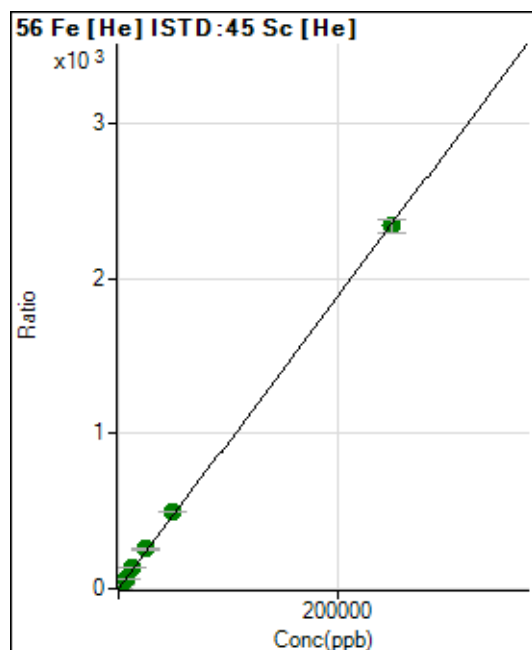
$$R = 0.9999$$

$$DL = 0.01598$$

$$BEC = 0.1086$$

Weight: <None>

Min Conc: 0



	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6351.51	0.0259	P	2.1
2	☐	50.000	58.728	148248.81	0.5780	P	4.0
3	☐	2500.000	2771.273	6611839.15	26.0769	A	3.4
4	☐	6250.000	6805.986	15854765.75	64.0048	A	3.0
5	☐	12500.000	14030.401	32165601.41	131.9171	A	2.5
6	☐	25000.000	27247.392	63007454.19	256.1619	A	1.8
7	☐	50000.000	53266.165	127130438.0	500.7483	A	0.5
8	☐	250000.00	249028.89	608893517.3	2.340.993	A	3.7

$$y = 0.0094 * x + 0.0259$$

$$R = 0.9999$$

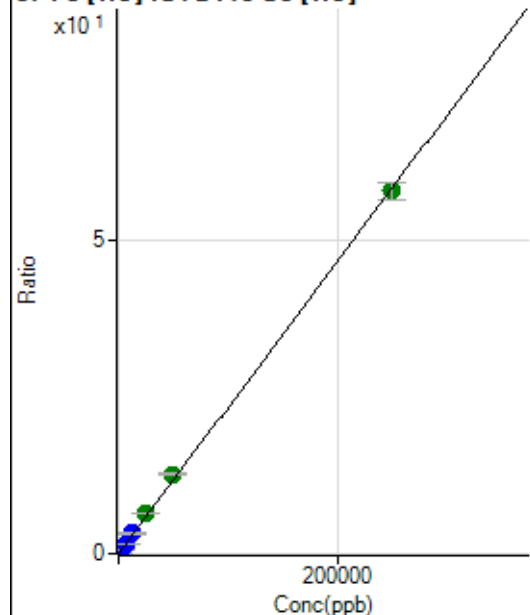
$$DL = 0.1718$$

$$BEC = 2.757$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	235.19	0.0010	P	19.3
2	☐	50.000	57.182	3669.05	0.0143	P	2.3
3	☐	2500.000	2751.982	163101.47	0.6432	P	1.4
4	☐	6250.000	6751.900	390554.77	1.5767	P	3.3
5	☐	12500.000	13908.732	791639.28	3.2470	P	3.1
6	☐	25000.000	27885.214	1600957.60	6.5089	A	1.7
7	☐	50000.000	54556.683	3232580.91	12.7336	A	1.8
8	☐	250000.00	248714.63	15091843.28	58.0467	A	5.1

$$y = 2.3338\text{E-}004 * x + 9.5719\text{E-}004$$

$$R = 0.9998$$

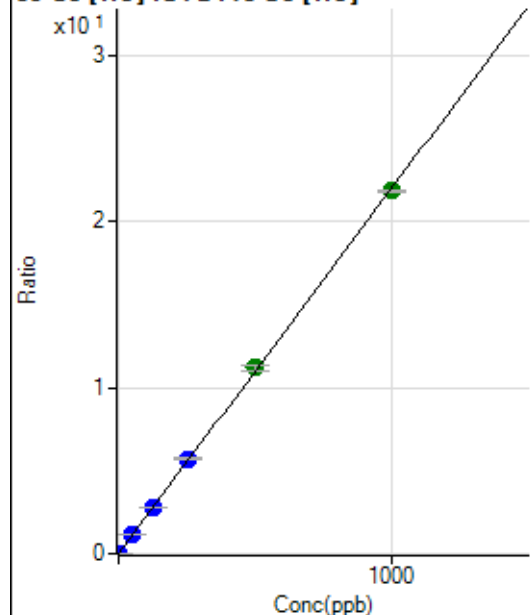
$$DL = 2.376$$

$$BEC = 4.101$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	106.67	0.0004	P	14.1
2	☐	1.000	1.034	5943.52	0.0232	P	1.7
3	☐	50.000	51.246	285748.52	1.1269	P	0.4
4	☐	125.000	125.312	682467.46	2.7549	P	2.4
5	☐	250.000	258.886	1387635.73	5.6909	P	2.6
6	☐	500.000	508.292	2748143.67	11.1730	A	2.2
7	☐	1000.000	993.531	5544570.54	21.8388	A	0.6
8	☐			12547.84	0.0482	P	5.1

$$y = 0.0220 * x + 4.3456\text{E-}004$$

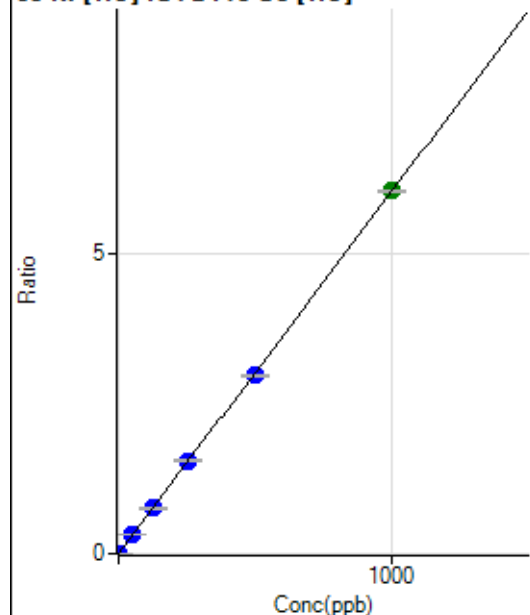
$$R = 0.9999$$

$$DL = 0.00839$$

$$BEC = 0.01977$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	134.45	0.0005	P	6.5
2	☐	1.000	1.097	1843.47	0.0072	P	1.9
3	☐	50.000	51.203	78676.27	0.3103	P	1.8
4	☐	125.000	125.074	187556.60	0.7571	P	2.6
5	☐	250.000	256.033	377741.89	1.5493	P	2.6
6	☐	500.000	492.700	733218.22	2.9808	P	1.3
7	☐	1000.000	1002.072	1539014.42	6.0620	A	0.6
8	☐			5618.95	0.0216	P	5.9

$$y = 0.0060 * x + 5.4922E-004$$

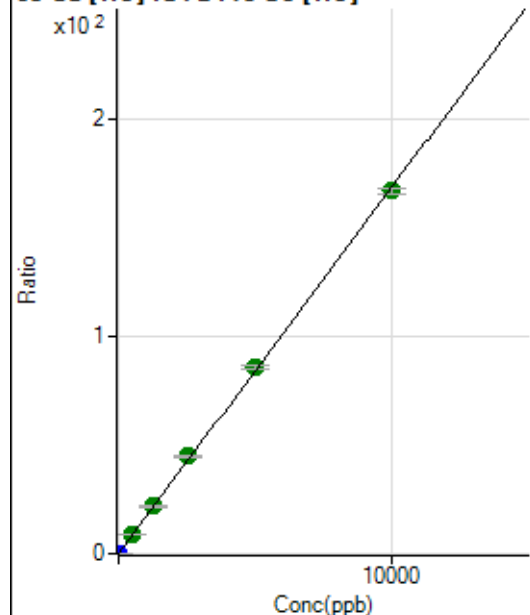
$$R = 0.9999$$

$$DL = 0.01765$$

$$BEC = 0.0908$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	998.94	0.0041	P	3.5
2	☐	2.000	1.865	9087.42	0.0354	P	2.2
3	☐	500.000	530.735	2263194.53	8.9254	A	2.0
4	☐	1250.000	1291.537	5379482.77	21.7141	A	2.2
5	☐	2500.000	2665.393	10925081.64	44.8078	A	2.7
6	☐	5000.000	5078.492	20998418.99	85.3705	A	1.9
7	☐	10000.000	9912.677	42301088.54	166.6303	A	1.7
8	☐			10248.23	0.0394	P	2.6

$$y = 0.0168 * x + 0.0041$$

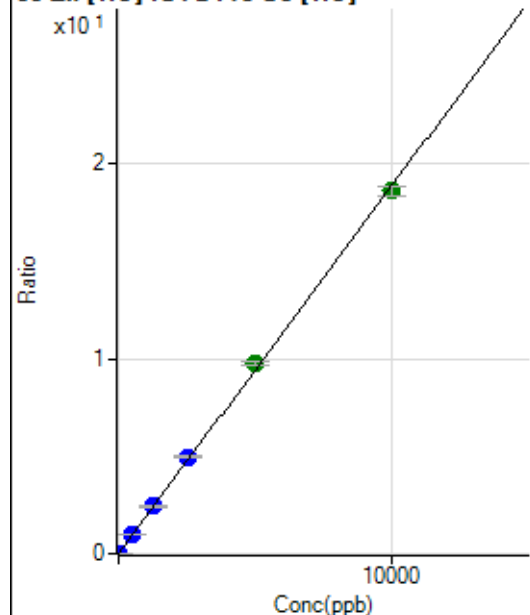
$$R = 0.9998$$

$$DL = 0.02536$$

$$BEC = 0.2426$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	814.48	0.0033	P	5.3
2	☐	2.000	2.494	2059.06	0.0080	P	6.4
3	☐	500.000	527.024	252528.75	0.9959	P	0.9
4	☐	1250.000	1284.237	599904.86	2.4219	P	3.2
5	☐	2500.000	2635.275	1210879.92	4.9662	P	2.5
6	☐	5000.000	5179.419	2399946.80	9.7575	A	2.2
7	☐	10000.000	9870.841	4719946.18	18.5927	A	2.7
8	☐			16887.92	0.0650	P	5.7

$$y = 0.0019 * x + 0.0033$$

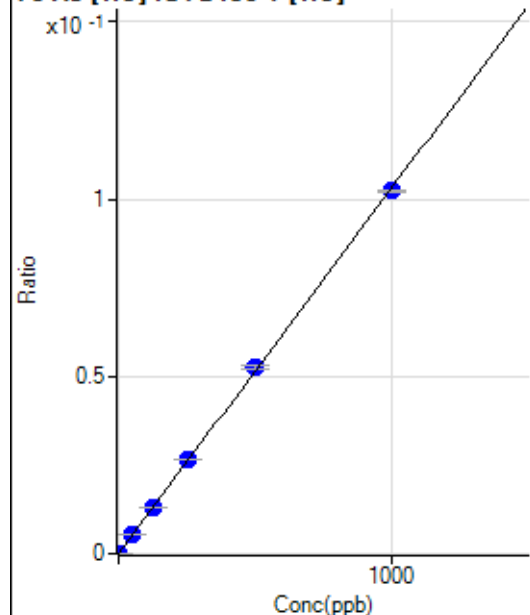
$$R = 0.9997$$

$$DL = 0.2833$$

$$BEC = 1.767$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	24.67	0.0000	P	5.9
2	☐	1.000	1.103	343.37	0.0001	P	5.5
3	☐	50.000	52.131	14943.05	0.0054	P	0.3
4	☐	125.000	125.756	35848.11	0.0130	P	3.1
5	☐	250.000	257.245	72916.55	0.0265	P	1.6
6	☐	500.000	510.172	144604.71	0.0526	P	1.4
7	☐	1000.000	992.902	290911.83	0.1023	P	0.8
8	☐			109.34	0.0000	P	20.8

$$y = 1.0300E-004 * x + 9.3644E-006$$

$$R = 0.9999$$

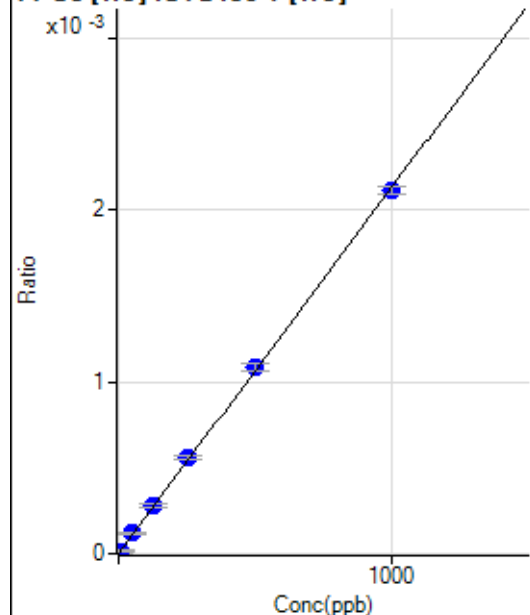
$$DL = 0.01612$$

$$BEC = 0.09092$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	2.22	0.0000	P	173.2
2	☐	5.000	6.516	41.11	0.0000	P	45.9
3	☐	50.000	55.770	332.23	0.0001	P	9.6
4	☐	125.000	130.340	770.03	0.0003	P	5.1
5	☐	250.000	262.628	1541.21	0.0006	P	2.4
6	☐	500.000	509.037	2985.90	0.0011	P	3.6
7	☐	1000.000	991.361	6009.13	0.0021	P	2.2
8	☐			5.56	0.0000	P	93.5

$$y = 2.1301\text{E-}006 * x + 8.5056\text{E-}007$$

$$R = 0.9999$$

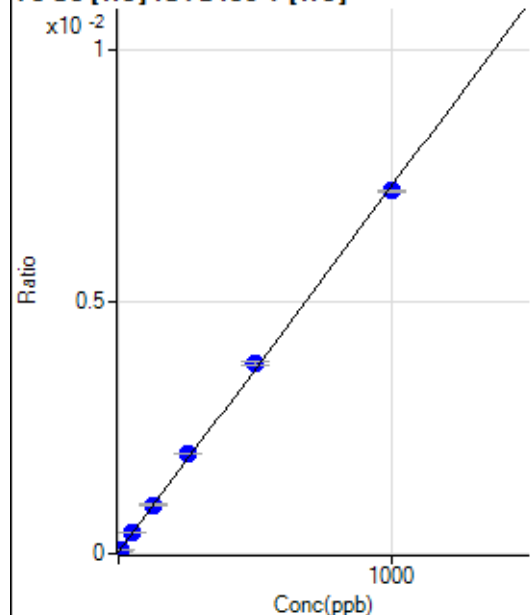
$$DL = 2.075$$

$$BEC = 0.3993$$

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	85.68	0.0000	P	19.6
2	☐	5.000	5.891	210.36	0.0001	P	9.0
3	☐	50.000	53.469	1167.17	0.0004	P	1.7
4	☐	125.000	128.545	2666.53	0.0010	P	4.0
5	☐	250.000	267.648	5426.60	0.0020	P	0.7
6	☐	500.000	514.862	10357.52	0.0038	P	1.6
7	☐	1000.000	987.536	20452.83	0.0072	P	0.7
8	☐			109.68	0.0000	P	15.5

$$y = 7.2484\text{E-}006 * x + 3.2538\text{E-}005$$

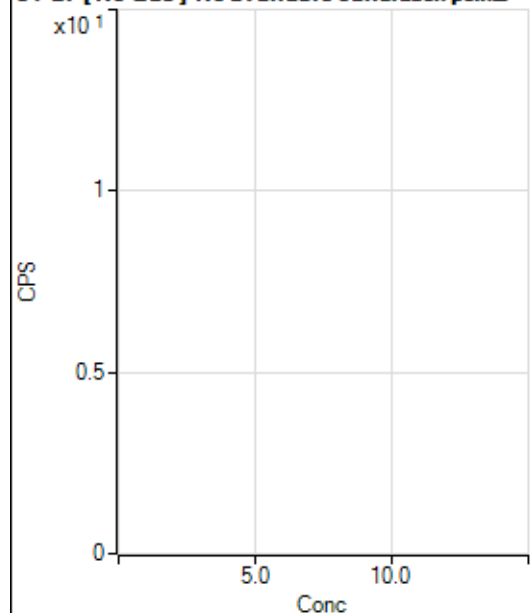
$$R = 0.9997$$

$$DL = 2.643$$

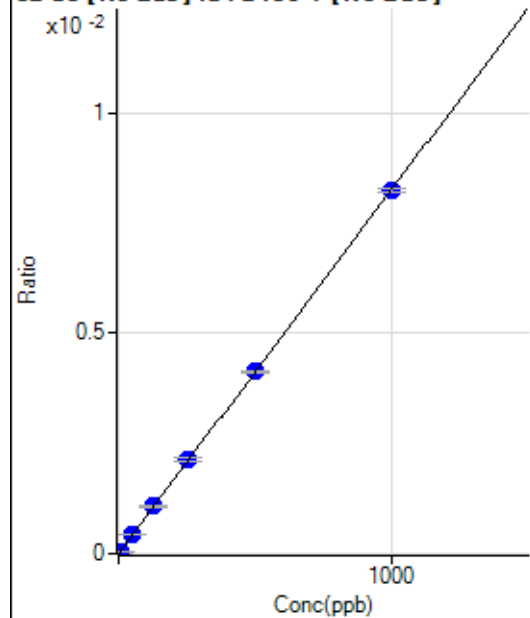
$$BEC = 4.489$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			32862.50		P	3.1
2	☐			33782.37		P	4.7
3	☐			34752.09		P	1.6
4	☐			33484.71		P	1.5
5	☐			32083.22		P	3.0
6	☐			33933.04		P	3.2
7	☐			33738.73		P	1.3
8	☐			33611.63		P	2.5

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	-14.01	0.0000	P	-342.
2	☐	5.000	5.691	1481.95	0.0000	P	4.6
3	☐	50.000	52.752	13985.88	0.0004	P	0.3
4	☐	125.000	130.970	34147.31	0.0011	P	4.4
5	☐	250.000	258.917	68474.77	0.0021	P	3.4
6	☐	500.000	499.893	132992.73	0.0041	P	0.8
7	☐	1000.000	996.937	266366.52	0.0082	P	1.0
8	☐			316.91	0.0000	P	4.8

$$y = 8.2501E-006 * x - 4.5874E-007$$

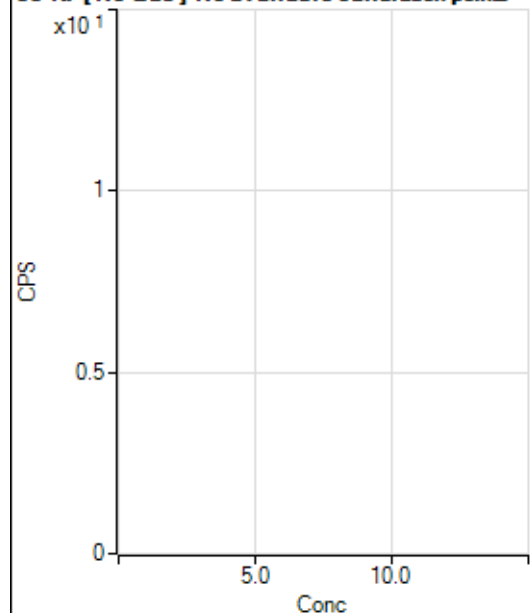
$$R = 1.0000$$

$$DL = 0.5711$$

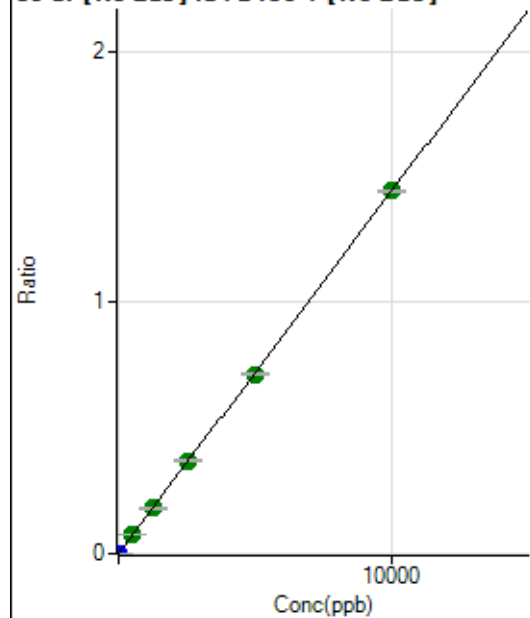
$$BEC = -0.0556$$

Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			952.27		P	5.1
2	☐			928.93		P	5.8
3	☐			960.04		P	7.3
4	☐			882.26		P	7.9
5	☐			948.93		P	5.4
6	☐			934.49		P	0.7
7	☐			1045.61		P	2.1
8	☐			993.38		P	7.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	1580.69	0.0000	P	5.5
2	☐	1.000	1.139	6824.08	0.0002	P	3.2
3	☐	500.000	515.922	2396159.84	0.0745	A	1.9
4	☐	1250.000	1261.075	5753102.82	0.1820	A	5.0
5	☐	2500.000	2561.537	11852229.43	0.3696	A	2.6
6	☐	5000.000	4949.773	23029863.36	0.7141	A	1.4
7	☐	10000.000	10007.549	46765159.03	1.4438	A	0.4
8	☐			33524.14	0.0010	P	1.8

$$y = 1.4427E-004 * x + 4.9683E-005$$

$$R = 1.0000$$

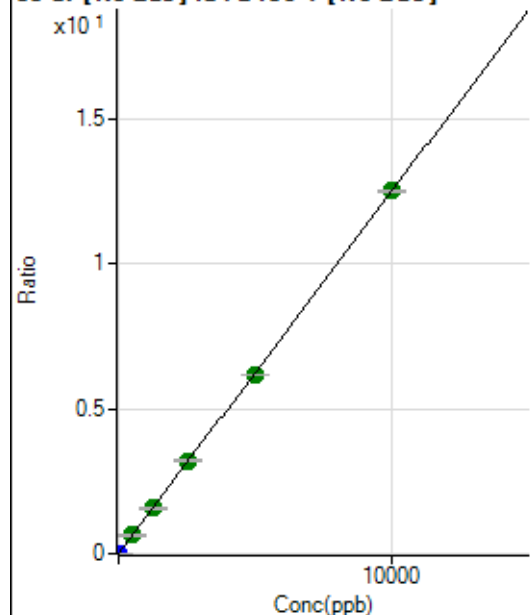
$$DL = 0.05702$$

$$BEC = 0.3444$$

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	1266.77	0.0000	P	18.5
2	☐	1.000	1.119	45850.98	0.0014	P	2.3
3	☐	500.000	504.384	20286223.37	0.6306	A	0.6
4	☐	1250.000	1265.405	50017917.79	1.5819	A	4.2
5	☐	2500.000	2561.951	102725194.6	3.2027	A	1.4
6	☐	5000.000	4929.874	198758330.8	6.1629	A	0.4
7	☐	10000.000	10017.431	405628384.0	12.5229	A	0.5
8	☐			277497.39	0.0085	P	1.4

$$y = 0.0013 * x + 3.9903E-005$$

$$R = 0.9999$$

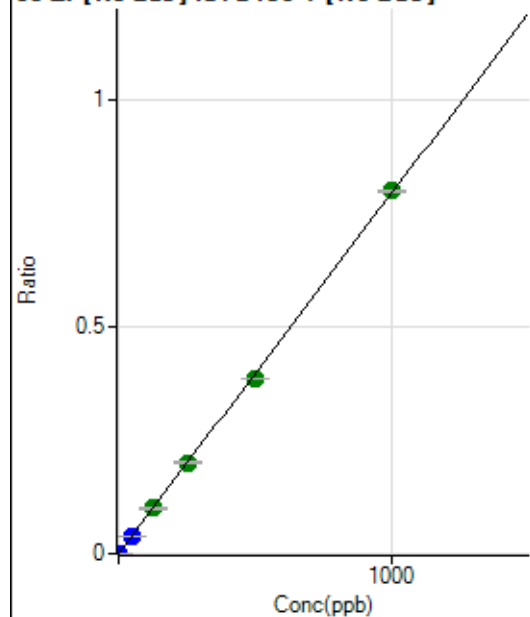
$$DL = 0.01774$$

$$BEC = 0.03192$$

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	1427.90	0.0000	P	5.1
2	☐	1.000	0.977	26208.72	0.0008	P	3.6
3	☐	50.000	49.900	1278700.40	0.0397	P	0.8
4	☐	125.000	125.387	3155751.94	0.0998	A	4.0
5	☐	250.000	252.259	6437454.18	0.2007	A	2.8
6	☐	500.000	485.070	12448151.41	0.3860	A	0.8
7	☐	1000.000	1006.857	25949421.93	0.8011	A	0.6
8	☐			12683.83	0.0004	P	2.2

$$y = 7.9563E-004 * x + 4.4867E-005$$

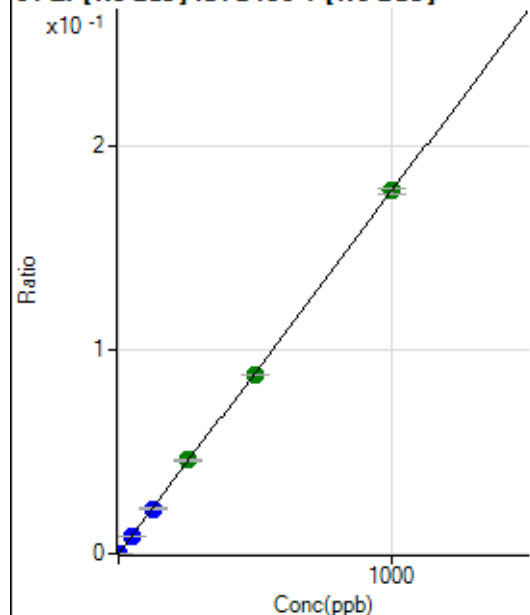
$$R = 0.9998$$

$$DL = 0.008641$$

$$BEC = 0.05639$$

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	230.57	0.0000	P	19.5
2	☐	1.000	1.037	6098.74	0.0002	P	9.0
3	☐	50.000	49.722	284504.13	0.0088	P	0.9
4	☐	125.000	123.228	692612.00	0.0219	P	4.4
5	☐	250.000	258.001	1470556.89	0.0459	A	3.4
6	☐	500.000	493.961	2831633.77	0.0878	A	0.6
7	☐	1000.000	1001.255	5763192.71	0.1779	A	1.3
8	☐			2842.04	0.0001	P	3.7

$$y = 1.7772\text{E-}004 * x + 7.2303\text{E-}006$$

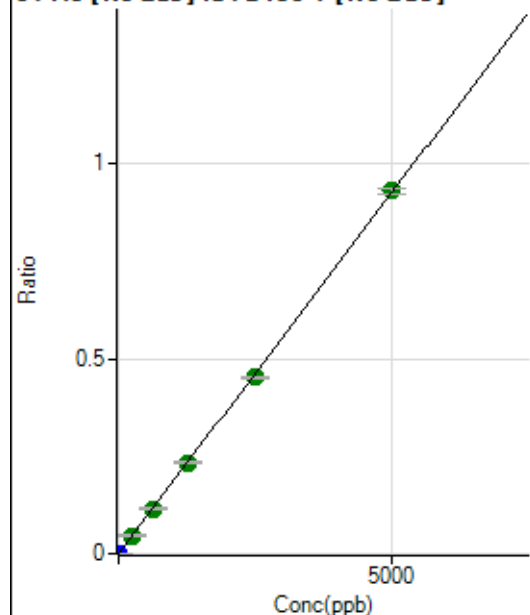
$$R = 0.9999$$

$$DL = 0.02374$$

$$BEC = 0.04068$$

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	558.36	0.0000	P	10.2
2	☐	5.000	5.137	30876.75	0.0010	P	2.1
3	☐	250.000	252.818	1507378.13	0.0468	A	3.8
4	☐	625.000	625.820	3665699.43	0.1159	A	4.0
5	☐	1250.000	1263.198	7503228.99	0.2340	A	2.9
6	☐	2500.000	2438.337	14567109.70	0.4517	A	0.3
7	☐	5000.000	5027.288	30155870.12	0.9312	A	1.9
8	☐			11927.71	0.0004	P	2.0

$$y = 1.8522\text{E-}004 * x + 1.7534\text{E-}005$$

$$R = 0.9999$$

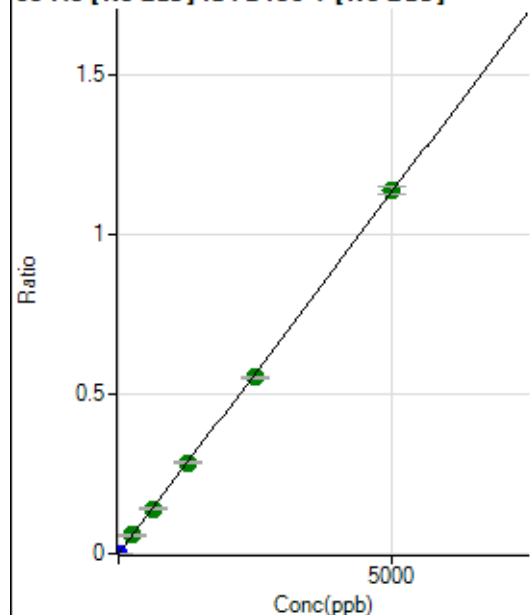
$$DL = 0.02898$$

$$BEC = 0.09466$$

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	280.57	0.0000	P	28.9
2	☐	5.000	5.198	37671.20	0.0012	P	3.4
3	☐	250.000	254.344	1847977.19	0.0574	A	2.3
4	☐	625.000	624.562	4459259.52	0.1410	A	3.8
5	☐	1250.000	1263.864	9151027.29	0.2854	A	2.6
6	☐	2500.000	2444.405	17800031.99	0.5519	A	1.0
7	☐	5000.000	5024.169	36735126.17	1.1344	A	2.1
8	☐			11307.71	0.0003	P	4.2

$$y = 2.2578\text{E-}004 * x + 8.8475\text{E-}006$$

$$R = 0.9999$$

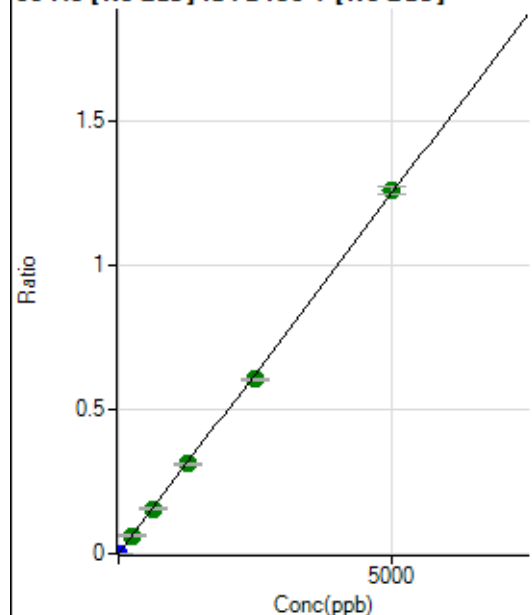
$$DL = 0.03398$$

$$BEC = 0.03919$$

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	483.35	0.0000	P	15.9
2	☐	5.000	5.160	41571.27	0.0013	P	1.5
3	☐	250.000	253.139	2035672.59	0.0633	A	1.8
4	☐	625.000	625.027	4940174.11	0.1562	A	3.0
5	☐	1250.000	1244.636	9973650.92	0.3111	A	3.1
6	☐	2500.000	2421.894	19518961.55	0.6052	A	0.9
7	☐	5000.000	5040.234	40790460.64	1.2596	A	2.0
8	☐			32775.79	0.0010	P	2.1

$$y = 2.4990\text{E-}004 * x + 1.5207\text{E-}005$$

$$R = 0.9998$$

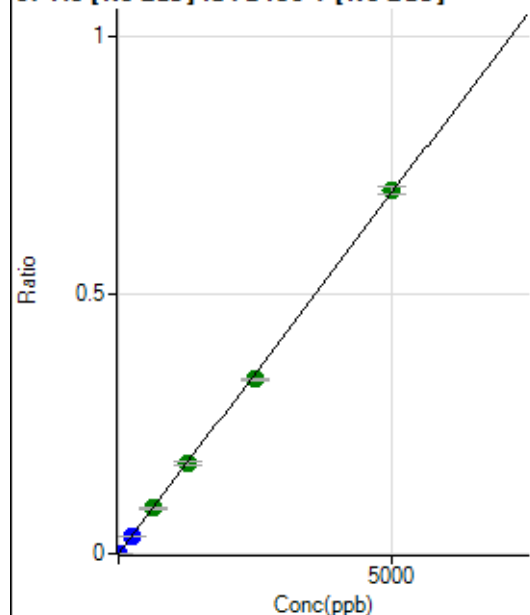
$$DL = 0.02902$$

$$BEC = 0.06085$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.45	0.0000	P	4.5
2	☐	5.000	5.226	23389.73	0.0007	P	2.6
3	☐	250.000	249.535	1118480.67	0.0348	P	0.9
4	☐	625.000	629.893	2774265.21	0.0877	A	4.4
5	☐	1250.000	1263.277	5641993.27	0.1760	A	4.0
6	☐	2500.000	2426.317	10900126.11	0.3380	A	1.0
7	☐	5000.000	5032.934	22705024.99	0.7011	A	2.1
8	☐			7271.57	0.0002	P	3.1

$$y = 1.3930\text{E-}004 * x + 6.1170\text{E-}006$$

$$R = 0.9998$$

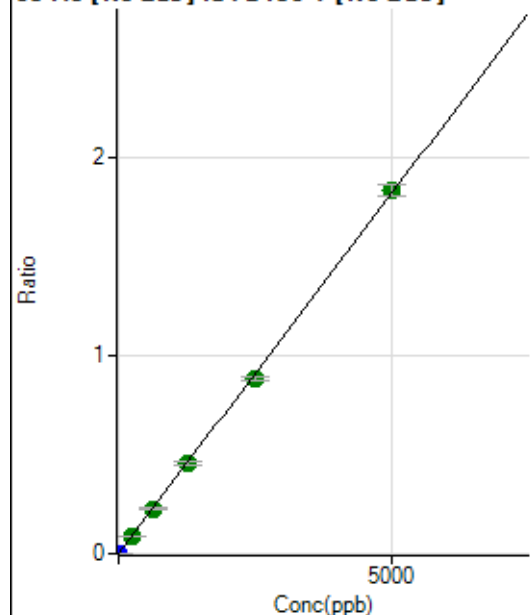
$$DL = 0.005885$$

$$BEC = 0.04391$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	438.91	0.0000	P	9.1
2	☐	5.000	5.140	59916.25	0.0019	P	3.4
3	☐	250.000	251.385	2937474.74	0.0913	A	1.1
4	☐	625.000	616.931	7084701.90	0.2241	A	4.4
5	☐	1250.000	1249.936	14555135.92	0.4540	A	3.5
6	☐	2500.000	2431.891	28483401.68	0.8832	A	1.7
7	☐	5000.000	5035.010	59217156.88	1.8286	A	3.2
8	☐			16960.81	0.0005	P	4.9

$$y = 3.6318\text{E-}004 * x + 1.3812\text{E-}005$$

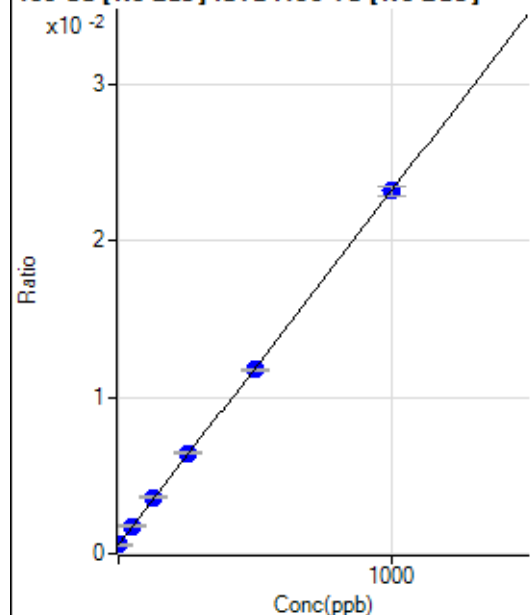
$$R = 0.9999$$

$$DL = 0.01038$$

$$BEC = 0.03803$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	8828.08	0.0006	P	4.9
2	☐	1.000	-0.342	8811.38	0.0006	P	7.7
3	☐	50.000	52.774	27564.28	0.0018	P	2.5
4	☐	125.000	134.640	56407.93	0.0036	P	5.4
5	☐	250.000	258.017	102729.66	0.0064	P	2.3
6	☐	500.000	494.108	190620.47	0.0117	P	0.7
7	☐	1000.000	999.599	374243.64	0.0232	P	3.0
8	☐			9061.61	0.0006	P	5.4

$$y = 2.2605E-005 * x + 5.6976E-004$$

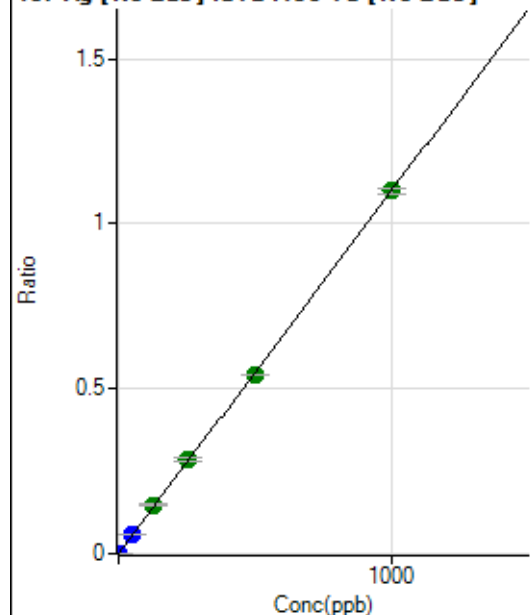
$$R = 0.9999$$

$$DL = 3.683$$

$$BEC = 25.21$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	175.01	0.0000	P	39.1
2	☐	1.000	1.015	17678.41	0.0011	P	6.7
3	☐	50.000	53.148	913843.85	0.0584	P	3.2
4	☐	125.000	134.743	2312730.76	0.1482	A	5.4
5	☐	250.000	259.810	4582448.37	0.2857	A	3.3
6	☐	500.000	493.016	8801635.96	0.5421	A	0.5
7	☐	1000.000	999.664	17760678.87	1.0991	A	1.6
8	☐			4403.62	0.0003	P	9.2

$$y = 0.0011 * x + 1.1317E-005$$

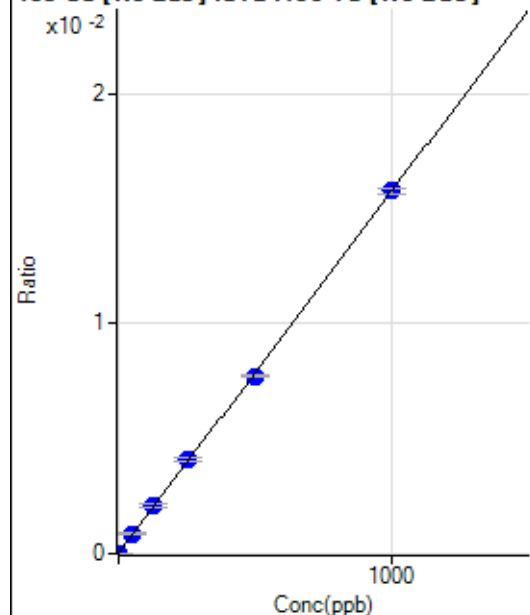
$$R = 0.9999$$

$$DL = 0.01206$$

$$BEC = 0.01029$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	202.78	0.0000	P	18.4
2	☐	1.000	0.837	412.51	0.0000	P	3.7
3	☐	50.000	54.283	13559.58	0.0009	P	3.8
4	☐	125.000	131.176	32400.68	0.0021	P	7.8
5	☐	250.000	259.338	65652.61	0.0041	P	3.8
6	☐	500.000	490.464	125521.38	0.0077	P	1.1
7	☐	1000.000	1001.448	254846.04	0.0158	P	1.9
8	☐			227.78	0.0000	P	22.6

$$y = 1.5735\text{E-}005 * x + 1.3098\text{E-}005$$

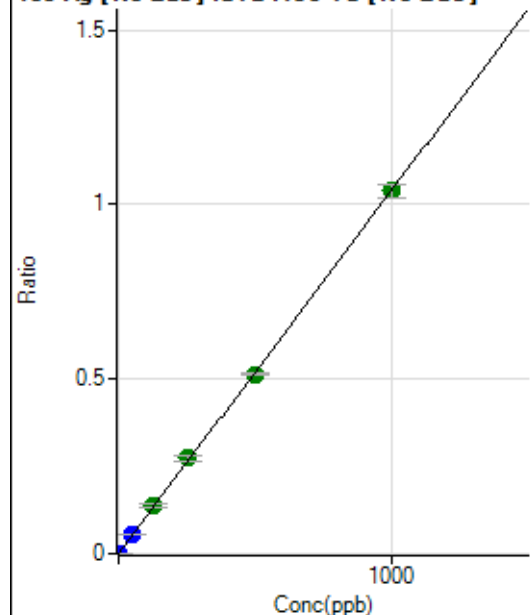
$$R = 0.9999$$

$$DL = 0.4583$$

$$BEC = 0.8324$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	108.34	0.0000	P	45.6
2	☐	1.000	1.010	16599.34	0.0011	P	1.7
3	☐	50.000	53.542	870779.86	0.0557	P	2.1
4	☐	125.000	132.849	2155534.62	0.1382	A	7.3
5	☐	250.000	263.289	4389306.13	0.2738	A	5.6
6	☐	500.000	492.948	8324160.86	0.5126	A	1.0
7	☐	1000.000	999.046	16781438.22	1.0389	A	3.8
8	☐			4400.83	0.0003	P	6.4

$$y = 0.0010 * x + 6.9682\text{E-}006$$

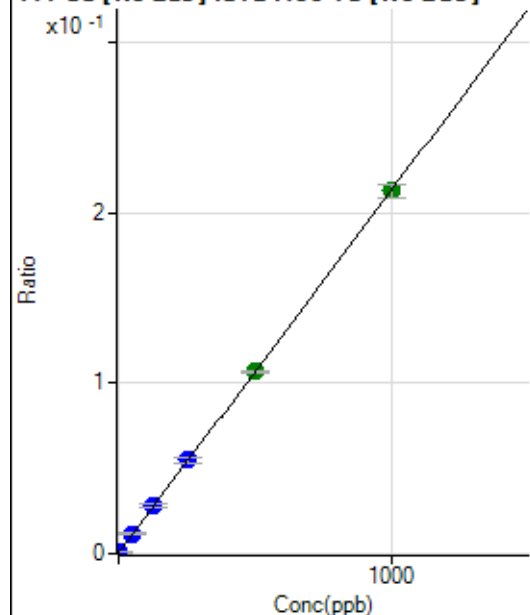
$$R = 0.9999$$

$$DL = 0.009175$$

$$BEC = 0.006701$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6150.21	0.0004	P	4.2
2	☐	1.000	0.941	9363.03	0.0006	P	5.2
3	☐	50.000	53.529	184272.27	0.0118	P	2.0
4	☐	125.000	131.053	441086.84	0.0283	P	7.5
5	☐	250.000	255.484	877760.09	0.0547	P	4.9
6	☐	500.000	499.482	1731710.70	0.1067	A	1.0
7	☐	1000.000	997.955	3435637.01	0.2127	A	3.7
8	☐			7254.57	0.0005	P	6.0

$$y = 2.1273\text{E-}004 * x + 3.9692\text{E-}004$$

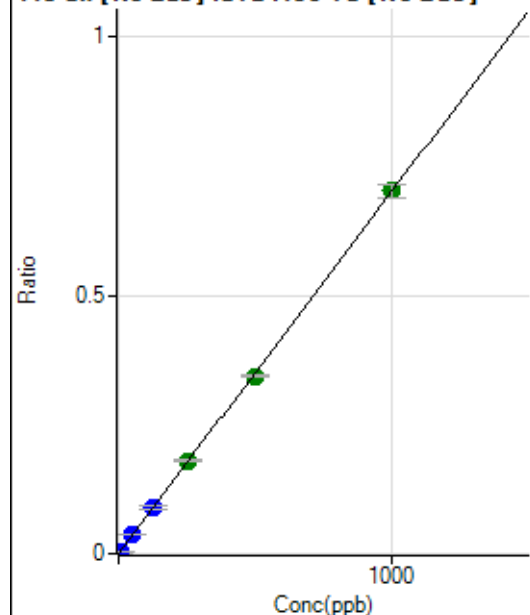
$$R = 1.0000$$

$$DL = 0.2343$$

$$BEC = 1.866$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1991.86	0.0001	P	8.3
2	☐	5.000	4.966	56536.77	0.0036	P	4.0
3	☐	50.000	51.912	570139.90	0.0365	P	2.9
4	☐	125.000	126.595	1384744.42	0.0887	P	6.1
5	☐	250.000	256.453	2881355.27	0.1796	A	2.5
6	☐	500.000	489.998	5570129.59	0.3431	A	1.3
7	☐	1000.000	1003.093	11342121.00	0.7021	A	3.5
8	☐			5865.31	0.0004	P	0.5

$$y = 6.9986\text{E-}004 * x + 1.2861\text{E-}004$$

$$R = 0.9999$$

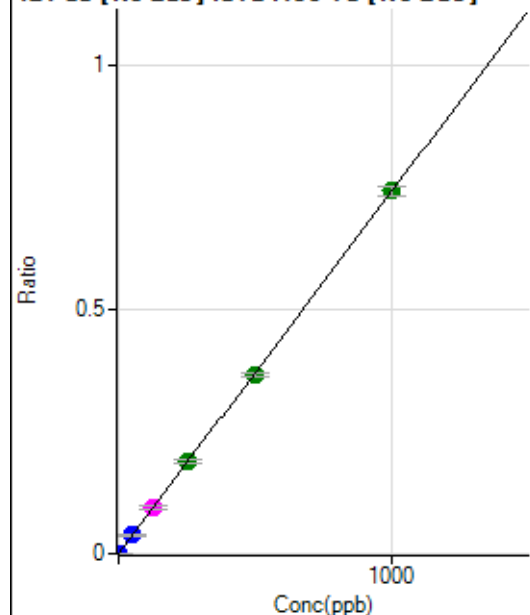
$$DL = 0.04593$$

$$BEC = 0.1838$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	211.12	0.0000	P	3.4
2	☐	2.000	2.000	23517.93	0.0015	P	2.6
3	☐	50.000	50.694	588840.85	0.0377	P	2.8
4	☐	125.000	126.123	1461634.41	0.0937	M	6.7
5	☐	250.000	254.931	3036826.54	0.1893	A	3.0
6	☐	500.000	493.156	5946315.58	0.3662	A	1.4
7	☐	1000.000	1002.014	12021602.09	0.7441	A	2.9
8	☐			6896.41	0.0004	P	4.2

$$y = 7.4259\text{E-}004 * x + 1.3620\text{E-}005$$

$$R = 1.0000$$

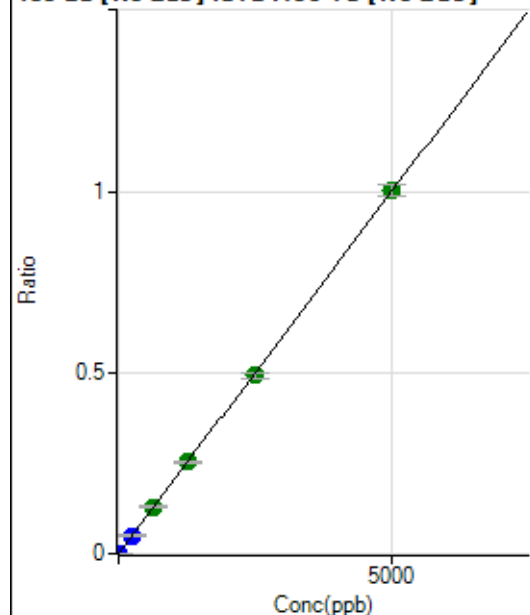
$$DL = 0.001888$$

$$BEC = 0.01834$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	136.12	0.0000	P	28.6
2	☐	10.000	10.211	32133.38	0.0020	P	2.4
3	☐	250.000	249.927	780513.60	0.0499	P	2.3
4	☐	625.000	645.510	2012510.70	0.1289	A	5.4
5	☐	1250.000	1271.863	4075165.02	0.2540	A	2.2
6	☐	2500.000	2458.164	7969610.68	0.4909	A	2.6
7	☐	5000.000	5012.892	16171288.03	1.0010	A	3.3
8	☐			6293.31	0.0004	P	6.1

$$y = 1.9969\text{E-}004 * x + 8.7982\text{E-}006$$

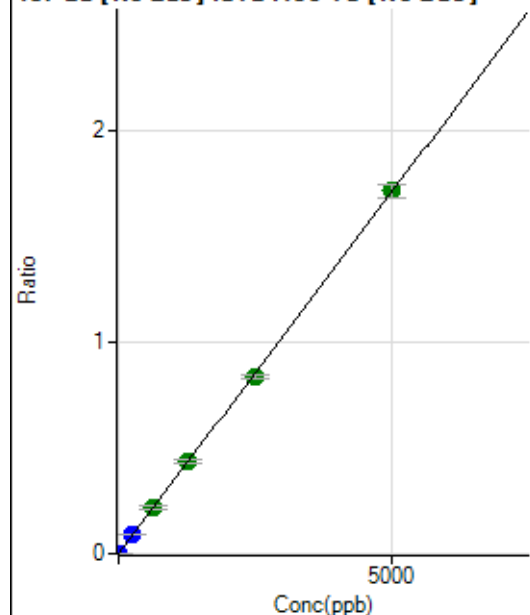
$$R = 0.9999$$

$$DL = 0.03783$$

$$BEC = 0.04406$$

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	197.23	0.0000	P	25.1
2	☐	10.000	10.295	55322.24	0.0035	P	2.6
3	☐	250.000	256.915	1371063.11	0.0877	P	2.9
4	☐	625.000	639.554	3405891.53	0.2183	A	6.6
5	☐	1250.000	1273.109	6970041.21	0.4345	A	3.3
6	☐	2500.000	2446.737	13557107.94	0.8350	A	2.4
7	☐	5000.000	5018.688	27666184.30	1.7127	A	3.4
8	☐			11129.88	0.0007	P	2.1

$$y = 3.4125E-004 * x + 1.2707E-005$$

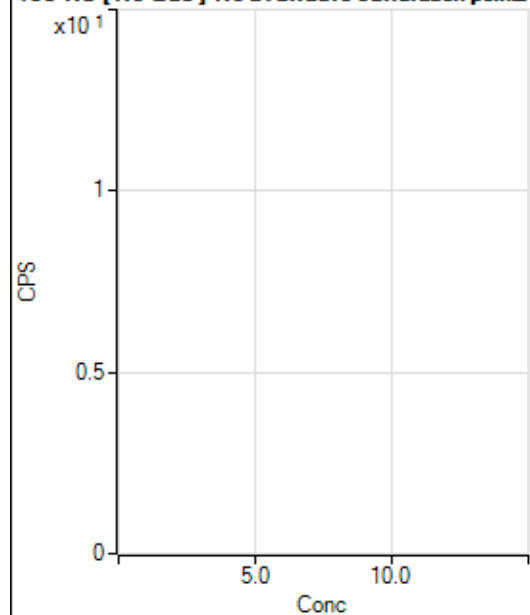
$$R = 0.9999$$

$$DL = 0.02802$$

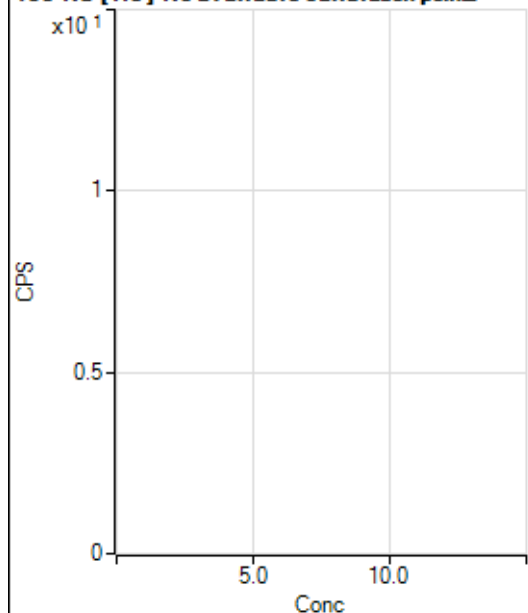
$$BEC = 0.03724$$

Weight: <None>

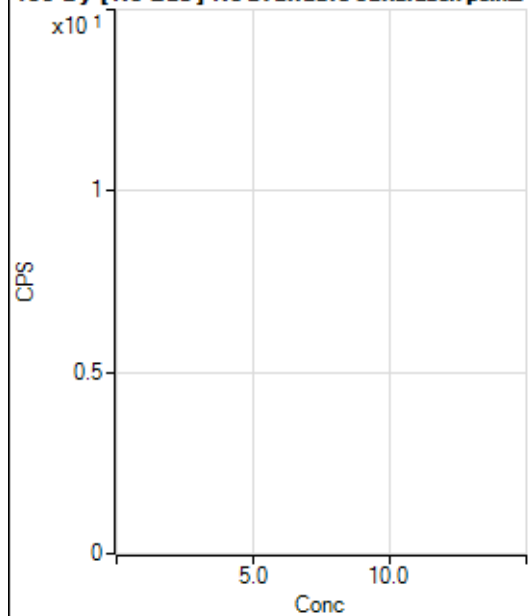
Min Conc: 0

150 Nd [No Gas] No available calibration points

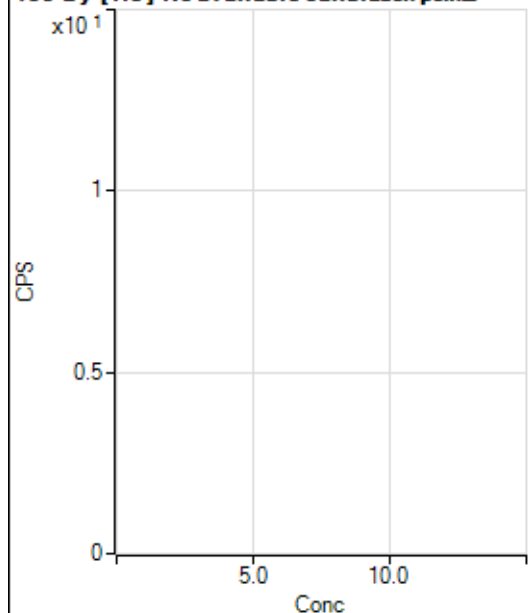
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			6.67		P	173.2
2	☐			13.33		P	NaN
3	☐			44.45		P	37.7
4	☐			97.78		P	10.4
5	☐			200.01		P	26.5
6	☐			335.57		P	15.4
7	☐			720.04		P	4.0
8	☐			102.23		P	21.0

150 Nd [He] No available calibration points

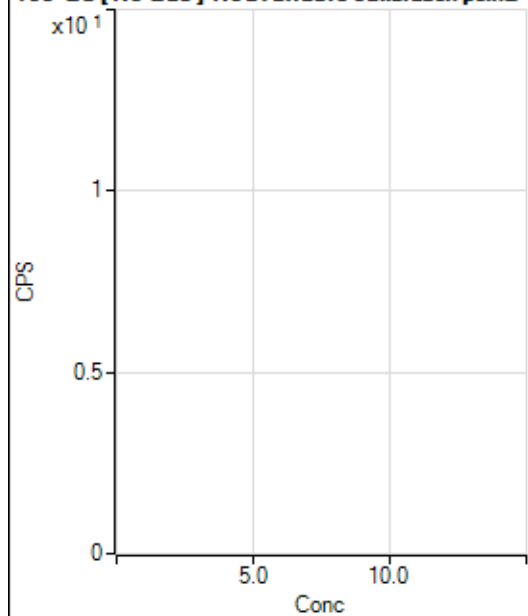
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.2
2	☐			0.00		P	
3	☐			6.67		P	86.6
4	☐			4.44		P	43.4
5	☐			6.67		P	0.0
6	☐			21.11		P	55.4
7	☐			38.89		P	30.1
8	☐			15.56		P	32.7

156 Dy [No Gas] No available calibration points

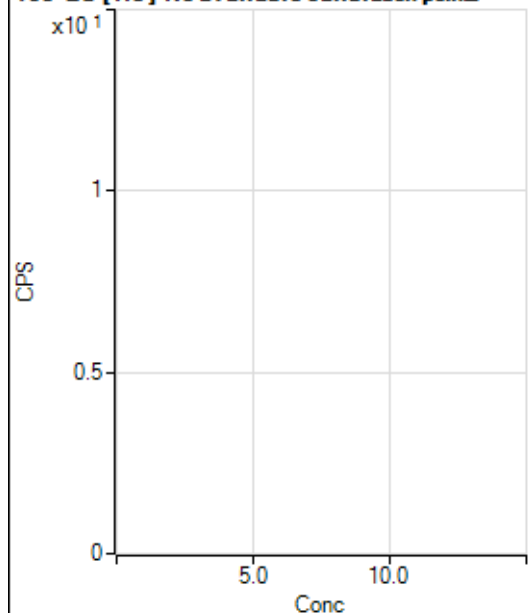
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			11.11		P	114.6
2	☐			11.11		P	86.6
3	☐			52.78		P	24.1
4	☐			72.23		P	13.3
5	☐			188.90		P	9.2
6	☐			330.57		P	16.8
7	☐			652.81		P	3.2
8	☐			2325.26		P	10.3

156 Dy [He] No available calibration points

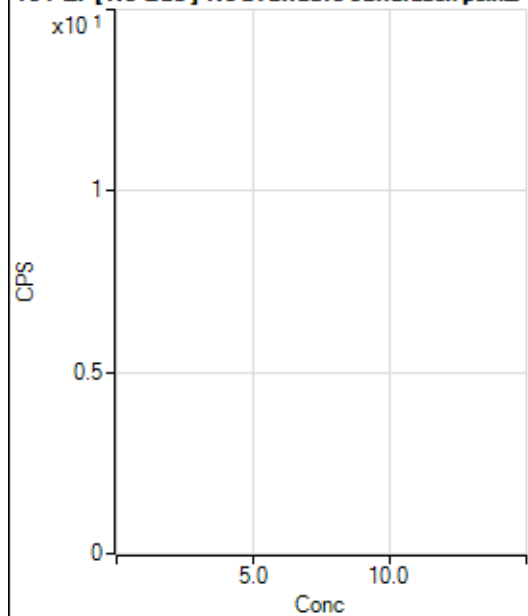
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	114.6
2	☐			4.44		P	114.6
3	☐			8.89		P	43.3
4	☐			27.78		P	13.9
5	☐			46.67		P	25.8
6	☐			95.56		P	10.7
7	☐			158.89		P	4.4
8	☐			720.03		P	7.6

160 Gd [No Gas] Noavailable calibration poin_

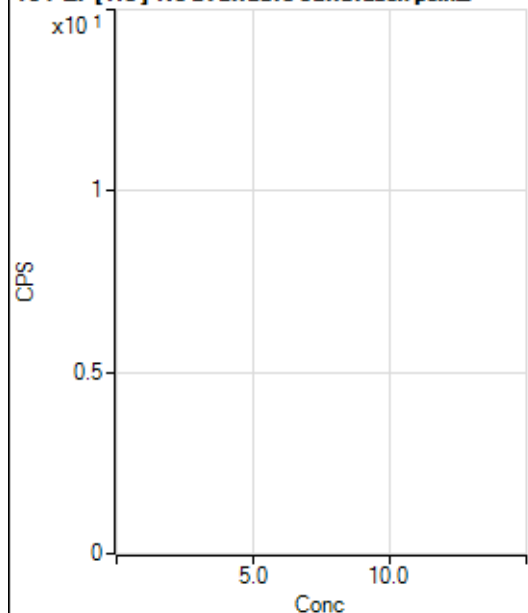
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			191.67		P	37.2
2	☐			150.00		P	19.2
3	☐			155.56		P	17.2
4	☐			247.23		P	13.6
5	☐			238.90		P	12.3
6	☐			380.57		P	12.5
7	☐			636.15		P	11.1
8	☐			2133.56		P	8.3

160 Gd [He] No available calibration points

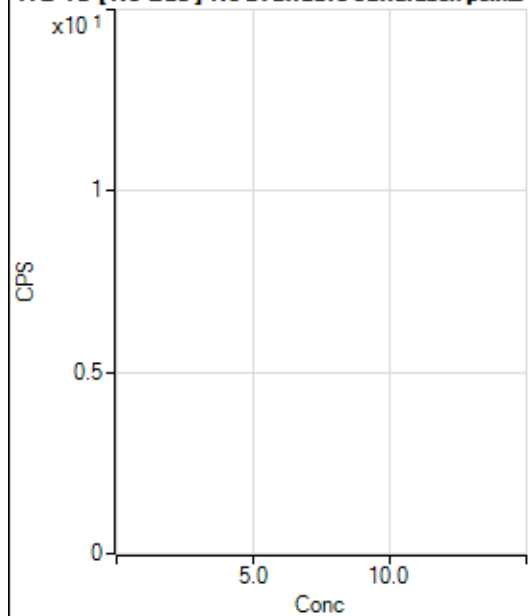
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			43.33		P	27.7
2	☐			67.78		P	5.7
3	☐			65.55		P	35.7
4	☐			75.56		P	16.7
5	☐			106.67		P	3.1
6	☐			144.45		P	22.2
7	☐			238.89		P	19.8
8	☐			841.15		P	4.1

164 Er [No Gas] No available calibration points

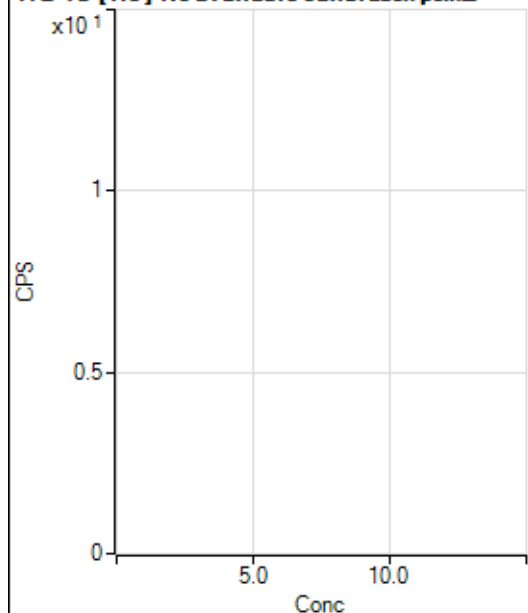
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			94.45		P	31.0
2	☐			91.67		P	9.1
3	☐			122.23		P	27.6
4	☐			116.67		P	56.7
5	☐			130.56		P	13.3
6	☐			116.67		P	18.9
7	☐			191.67		P	37.2
8	☐			380.57		P	16.6

164 Er [He] No available calibration points

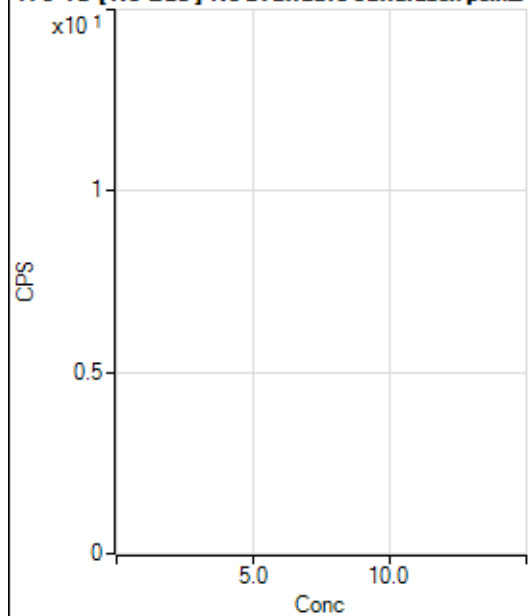
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.56		P	78.6
2	☐			25.56		P	60.2
3	☐			44.44		P	11.5
4	☐			33.33		P	26.4
5	☐			40.00		P	28.9
6	☐			42.22		P	4.6
7	☐			60.00		P	11.1
8	☐			155.56		P	12.4

172 Yb [No Gas] No available calibration points

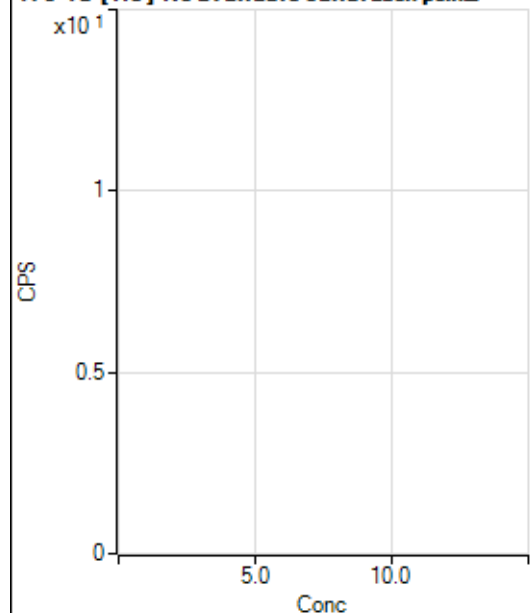
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			55.56		P	22.9
2	☐			58.34		P	37.8
3	☐			47.22		P	40.8
4	☐			88.89		P	23.6
5	☐			83.33		P	45.8
6	☐			47.22		P	53.9
7	☐			58.34		P	37.8
8	☐			205.56		P	37.5

172 Yb [He] No available calibration points

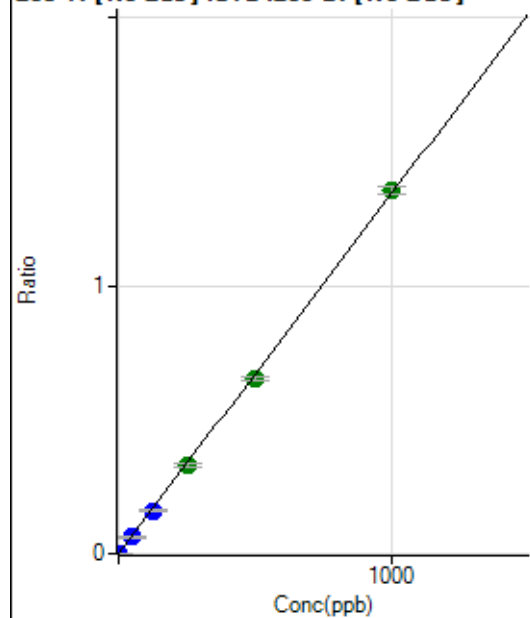
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			24.08		P	74.2
2	☐			18.52		P	34.6
3	☐			24.07		P	35.2
4	☐			24.08		P	26.6
5	☐			9.26		P	124.9
6	☐			22.22		P	66.1
7	☐			18.52		P	75.5
8	☐			74.07		P	4.3

176 Yb [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2119.68		P	5.4
2	☐			2164.13		P	1.2
3	☐			4370.29		P	3.4
4	☐			7994.28		P	2.3
5	☐			14080.12		P	4.0
6	☐			25597.87		P	1.3
7	☐			49697.51		P	0.5
8	☐			2197.46		P	4.0

176 Yb [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2474.35		P	4.4
2	☐			2255.79		P	4.7
3	☐			3074.49		P	4.2
4	☐			4172.95		P	4.9
5	☐			6331.27		P	1.6
6	☐			9735.21		P	2.1
7	☐			17921.66		P	2.5
8	☐			2278.01		P	5.0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	816.72	0.0001	P	8.1
2	☐	1.000	0.929	11313.55	0.0013	P	2.9
3	☐	50.000	45.581	532252.16	0.0613	P	2.2
4	☐	125.000	118.945	1358186.87	0.1597	P	4.4
5	☐	250.000	247.797	2921750.87	0.3326	A	3.9
6	☐	500.000	486.545	5646781.81	0.6530	A	1.4
7	☐	1000.000	1008.256	11315001.55	1.3531	A	2.1
8	☐			1991.88	0.0003	P	12.6

$$y = 0.0013 * x + 9.6673E-005$$

$$R = 0.9999$$

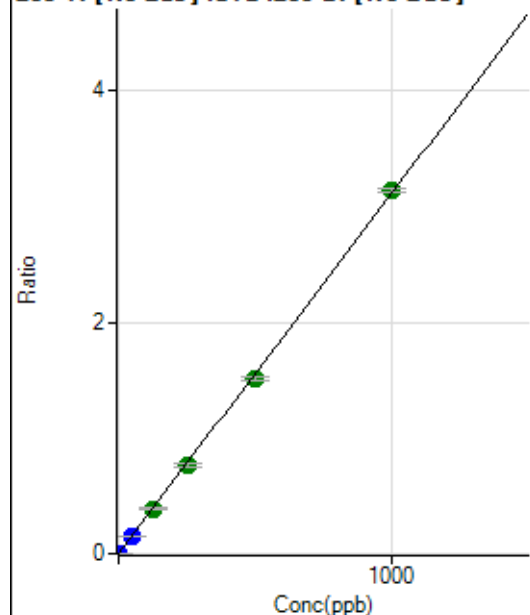
$$DL = 0.01755$$

$$BEC = 0.07204$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1858.52	0.0002	P	4.9
2	☐	1.000	0.981	27532.84	0.0033	P	1.3
3	☐	50.000	47.315	1279886.83	0.1473	P	2.0
4	☐	125.000	124.848	3303007.82	0.3884	A	3.9
5	☐	250.000	246.057	6721589.95	0.7652	A	4.4
6	☐	500.000	487.284	13101662.01	1.5152	A	1.9
7	☐	1000.000	1007.497	26192831.14	3.1326	A	0.9
8	☐			5228.99	0.0007	P	3.1

$$y = 0.0031 * x + 2.2021E-004$$

$$R = 0.9999$$

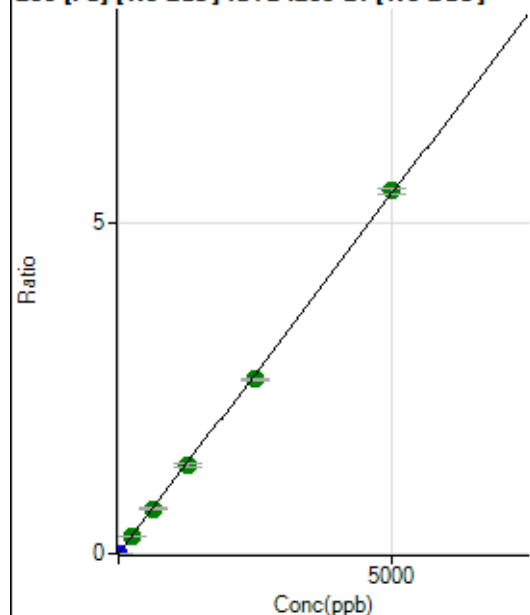
$$DL = 0.01031$$

$$BEC = 0.07083$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2007.60	0.0002	P	9.4
2	☐	1.000	0.916	10404.34	0.0012	P	2.2
3	☐	250.000	248.937	2359298.84	0.2715	A	1.1
4	☐	625.000	619.470	5742449.03	0.6753	A	4.3
5	☐	1250.000	1231.756	11793700.84	1.3424	A	3.1
6	☐	2500.000	2424.908	22852872.74	2.6426	A	1.4
7	☐	5000.000	5042.851	45949402.88	5.4953	A	1.5
8	☐			16121.44	0.0021	P	2.1

$$y = 0.0011 * x + 2.3788E-004$$

$$R = 0.9998$$

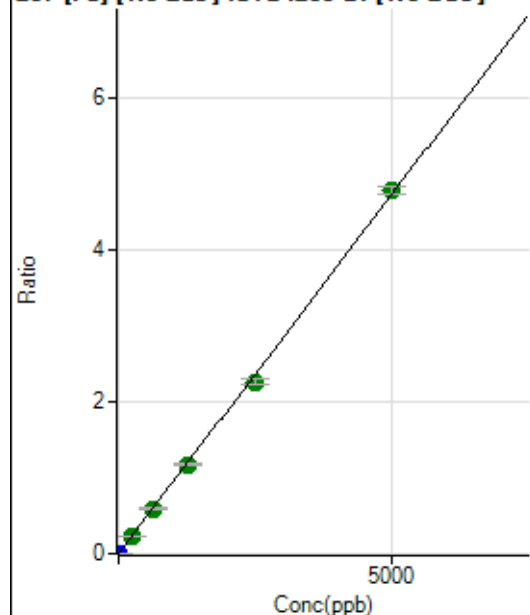
$$DL = 0.06175$$

$$BEC = 0.2183$$

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	1792.75	0.0002	P	11.1
2	☐	1.000	0.916	9088.52	0.0011	P	3.3
3	☐	250.000	248.725	2048324.74	0.2356	A	1.3
4	☐	625.000	628.441	5060075.46	0.5949	A	3.5
5	☐	1250.000	1238.650	10301070.72	1.1724	A	2.7
6	☐	2500.000	2396.697	19613454.14	2.2684	A	2.6
7	☐	5000.000	5054.123	39989387.93	4.7833	A	2.2
8	☐			14308.12	0.0019	P	0.8

$$y = 9.4637E-004 * x + 2.1252E-004$$

$$R = 0.9997$$

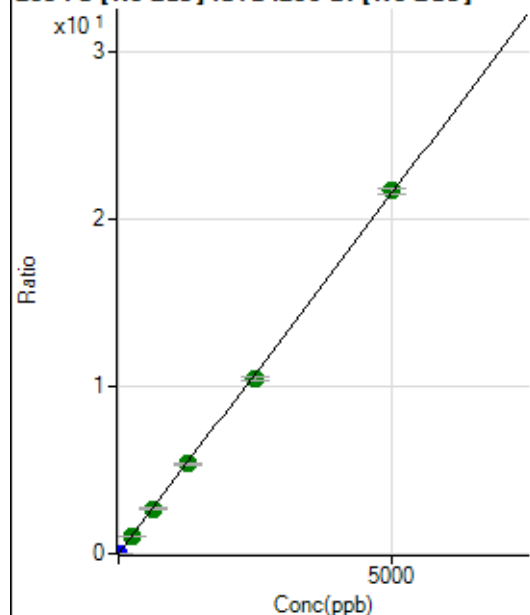
$$DL = 0.07485$$

$$BEC = 0.2246$$

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	7901.09	0.0009	P	6.5
2	☐	1.000	0.920	41178.04	0.0049	P	1.1
3	☐	250.000	248.676	9307036.88	1.0706	A	1.0
4	☐	625.000	622.159	22763801.50	2.6770	A	4.6
5	☐	1250.000	1249.901	47243490.64	5.3772	A	2.4
6	☐	2500.000	2423.846	90163320.07	10.4267	A	1.7
7	☐	5000.000	5038.523	181208561.4	21.6733	A	1.5
8	☐			64561.84	0.0085	P	1.9

$$y = 0.0043 * x + 9.3579E-004$$

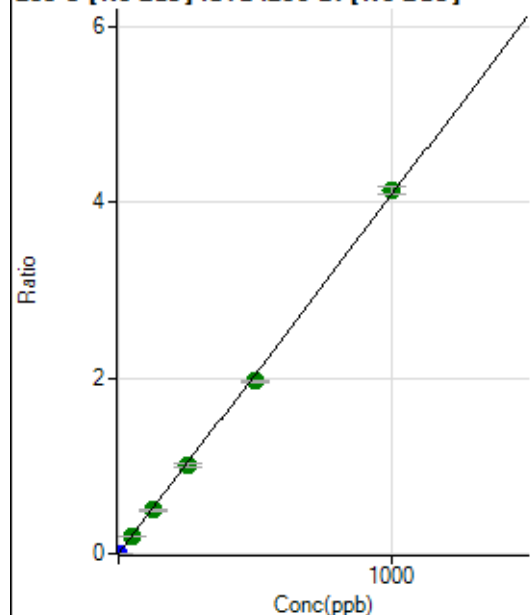
$$R = 0.9998$$

$$DL = 0.04271$$

$$BEC = 0.2176$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	188.90	0.0000	P	25.6
2	☐	1.000	0.914	31612.37	0.0038	P	1.9
3	☐	50.000	47.688	1692434.54	0.1948	A	1.6
4	☐	125.000	122.359	4249033.17	0.4997	A	4.8
5	☐	250.000	246.444	8841447.33	1.0064	A	3.0
6	☐	500.000	480.698	16974127.29	1.9630	A	0.9
7	☐	1000.000	1010.986	34515758.41	4.1285	A	2.1
8	☐			3133.82	0.0004	P	3.4

$$y = 0.0041 * x + 2.2313E-005$$

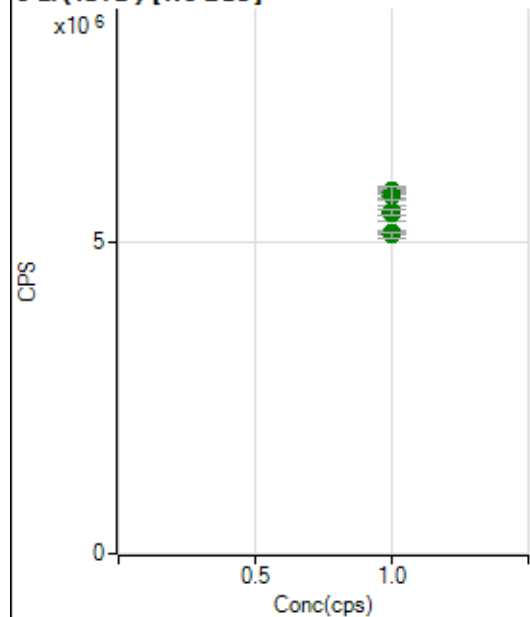
$$R = 0.9997$$

$$DL = 0.004202$$

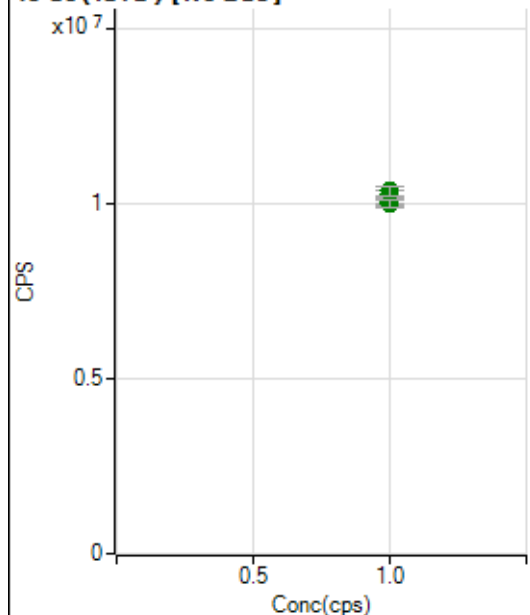
$$BEC = 0.005464$$

Weight: <None>

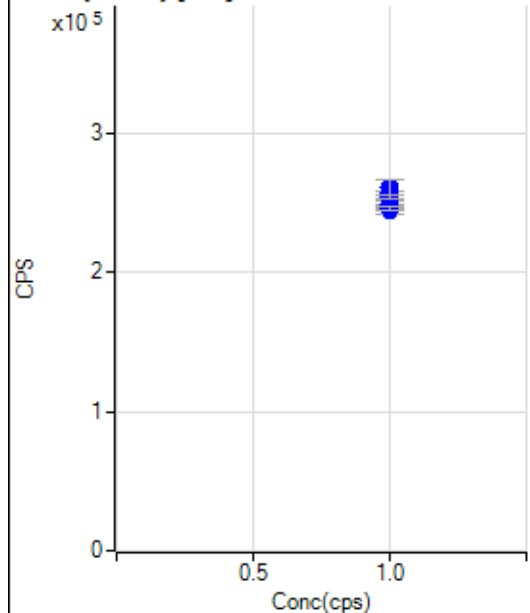
Min Conc: 0

6 Li (ISTD) [No Gas]

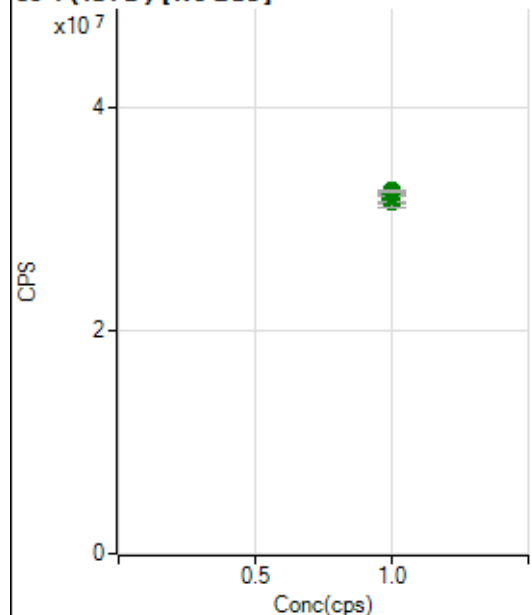
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5740782.36		A	1.0
2	☐	1.000		5834895.65		A	0.6
3	☐	1.000		5807786.12		A	2.7
4	☐	1.000		5745675.76		A	5.3
5	☐	1.000		5514237.34		A	6.2
6	☐	1.000		5486108.83		A	2.0
7	☐	1.000		5166431.24		A	1.3
8	☐	1.000		5118499.88		A	2.3

45 Sc (ISTD) [No Gas]

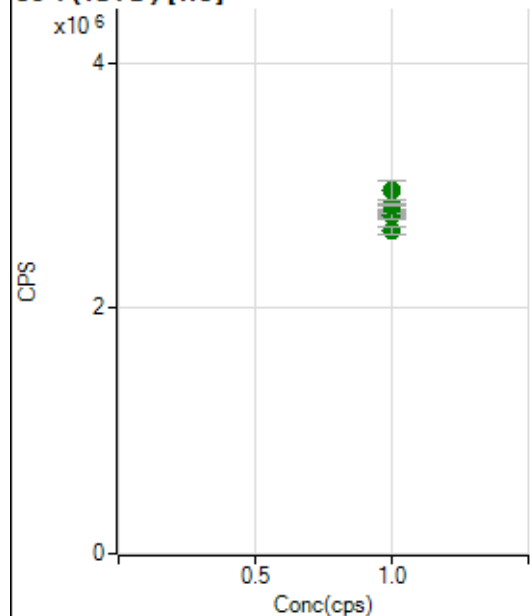
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10076463.94		A	1.9
2	☐	1.000		10287789.29		A	1.4
3	☐	1.000		10252000.61		A	2.4
4	☐	1.000		10094746.45		A	2.9
5	☐	1.000		10020661.87		A	2.8
6	☐	1.000		10083457.90		A	1.1
7	☐	1.000		10011202.42		A	2.0
8	☐	1.000		10366444.43		A	2.8

45 Sc (ISTD) [He]

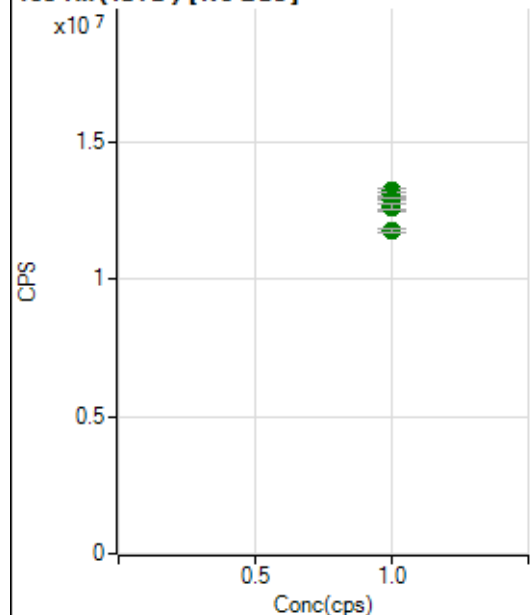
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		244983.75		P	2.9
2	☐	1.000		256579.41		P	1.3
3	☐	1.000		253586.91		P	0.9
4	☐	1.000		247827.76		P	2.4
5	☐	1.000		243899.65		P	1.9
6	☐	1.000		245988.76		P	0.9
7	☐	1.000		253888.49		P	0.9
8	☐	1.000		260381.63		P	4.4

89 Y (ISTD) [No Gas]

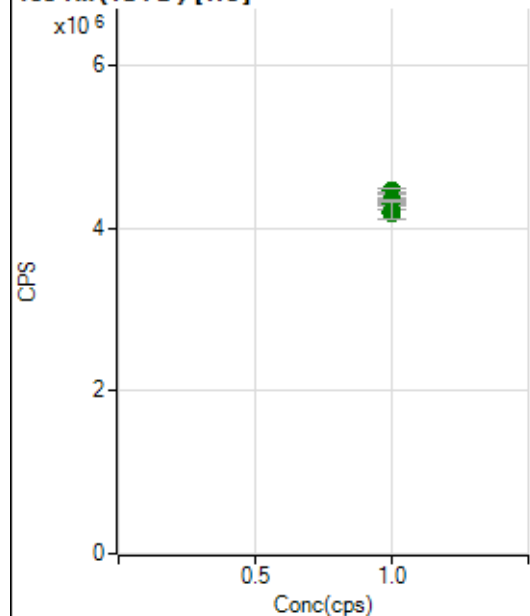
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		31807571.19		A	2.0
2	☐	1.000		31871908.69		A	2.3
3	☐	1.000		32169837.58		A	1.0
4	☐	1.000		31645011.75		A	3.1
5	☐	1.000		32081950.63		A	2.6
6	☐	1.000		32251869.52		A	1.3
7	☐	1.000		32390971.74		A	1.7
8	☐	1.000		32559193.96		A	0.7

89 Y (ISTD) [He]

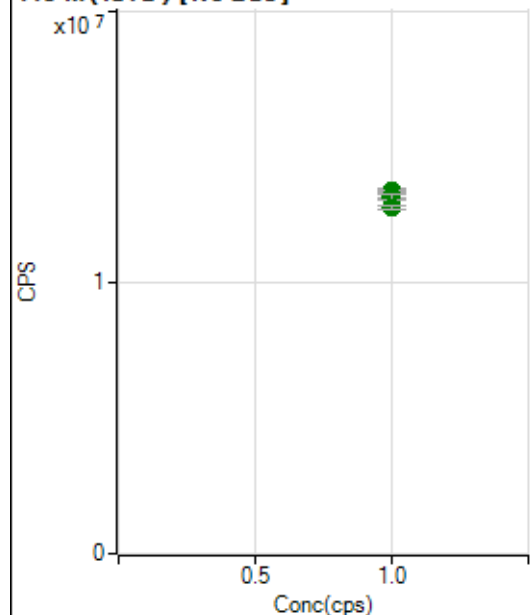
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2635857.37		A	2.6
2	☐	1.000		2796361.69		A	3.2
3	☐	1.000		2778206.04		A	0.9
4	☐	1.000		2767113.95		A	2.6
5	☐	1.000		2751155.65		A	1.0
6	☐	1.000		2751743.85		A	1.4
7	☐	1.000		2844453.01		A	0.8
8	☐	1.000		2957143.36		A	5.2

103 Rh (ISTD) [No Gas]

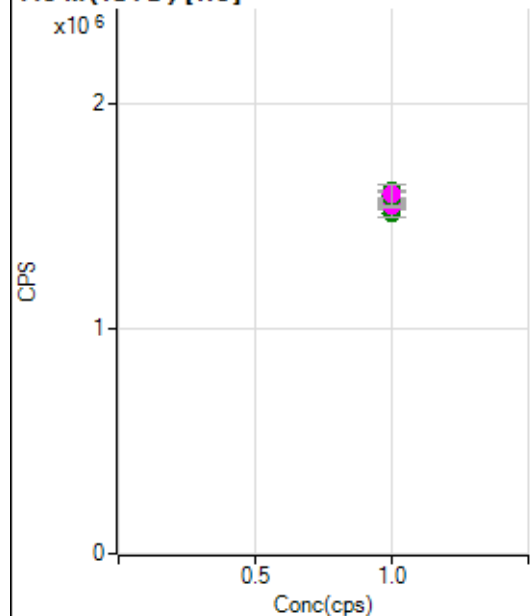
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13036704.89		A	2.2
2	☐	1.000		13198631.11		A	1.2
3	☐	1.000		13090088.92		A	1.1
4	☐	1.000		12693260.44		A	3.0
5	☐	1.000		12856430.41		A	1.8
6	☐	1.000		12605764.69		A	2.2
7	☐	1.000		12615549.15		A	1.9
8	☐	1.000		11757017.97		A	1.1

103 Rh (ISTD) [He]

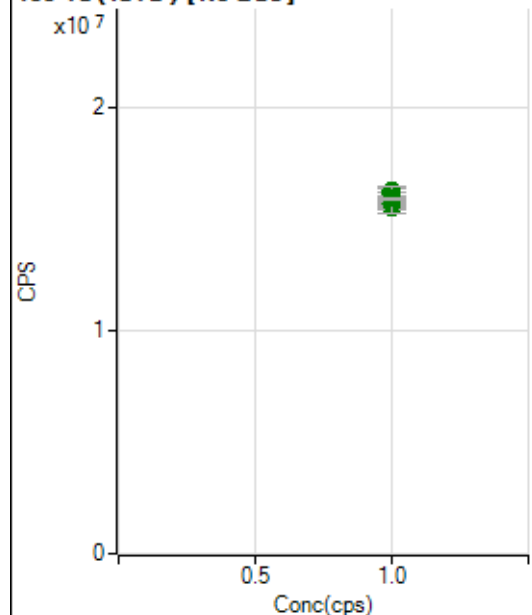
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4187948.62		A	2.8
2	☐	1.000		4387591.43		A	3.1
3	☐	1.000		4464796.36		A	0.9
4	☐	1.000		4381430.52		A	2.1
5	☐	1.000		4352521.71		A	1.2
6	☐	1.000		4300865.04		A	1.2
7	☐	1.000		4348571.88		A	0.3
8	☐	1.000		4221542.40		A	4.7

115 In (ISTD) [No Gas]

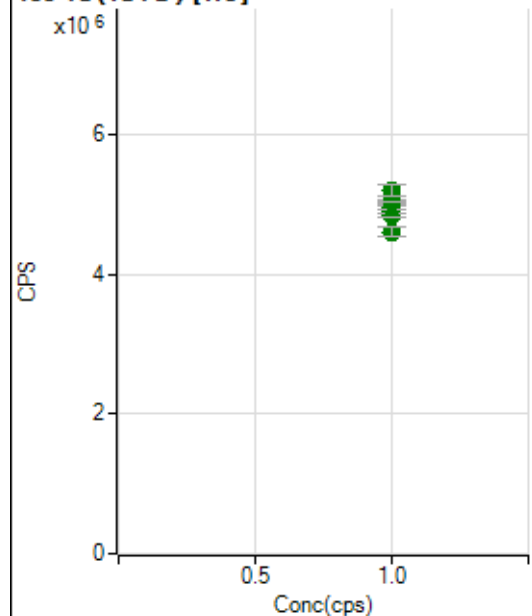
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13209875.85		A	1.1
2	☐	1.000		13389239.74		A	0.8
3	☐	1.000		13299001.62		A	2.5
4	☐	1.000		13078009.32		A	3.8
5	☐	1.000		13121832.60		A	4.3
6	☐	1.000		13367970.34		A	0.5
7	☐	1.000		13166348.04		A	1.2
8	☐	1.000		12750628.41		A	1.0

115 In (ISTD) [He]

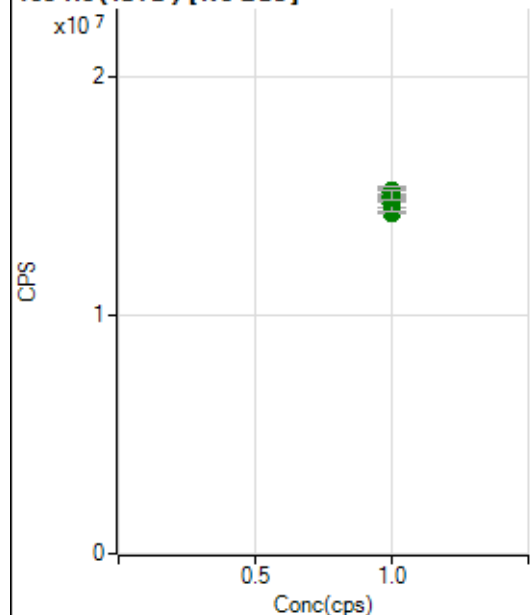
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1510299.20		A	1.9
2	☐	1.000		1587025.91		A	2.7
3	☐	1.000		1610668.71		A	0.3
4	☐	1.000		1572564.00		A	0.4
5	☐	1.000		1563602.80		A	0.9
6	☐	1.000		1545276.65		M	1.7
7	☐	1.000		1579986.64		A	0.1
8	☐	1.000		1593607.66		M	5.7

159 Tb (ISTD) [No Gas]

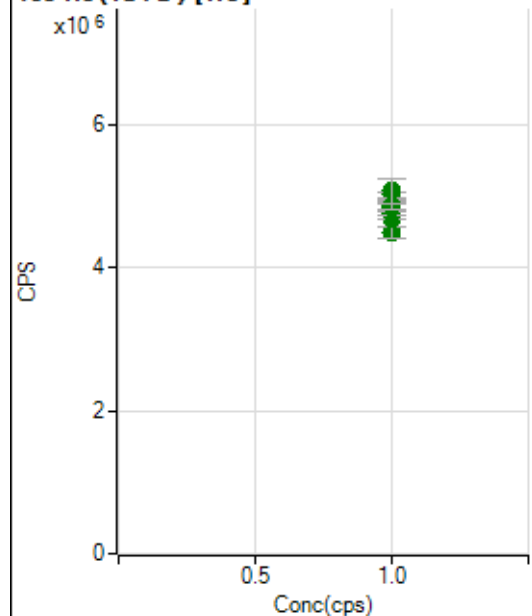
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		15497094.21		A	1.3
2	☐	1.000		15695989.07		A	2.5
3	☐	1.000		15638436.71		A	0.9
4	☐	1.000		15639615.04		A	5.2
5	☐	1.000		16052612.12		A	3.8
6	☐	1.000		16237914.34		A	0.9
7	☐	1.000		16164683.09		A	3.0
8	☐	1.000		15894599.90		A	0.5

159 Tb (ISTD) [He]

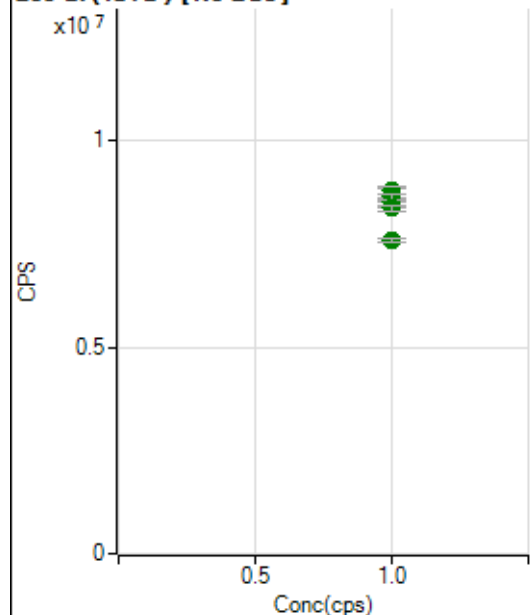
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4604872.71		A	3.2
2	☐	1.000		4886910.41		A	1.0
3	☐	1.000		4848807.36		A	1.1
4	☐	1.000		4938030.76		A	2.4
5	☐	1.000		5031998.68		A	0.6
6	☐	1.000		4956546.94		A	1.0
7	☐	1.000		5035599.68		A	0.4
8	☐	1.000		5188175.90		A	3.2

165 Ho (ISTD) [No Gas]

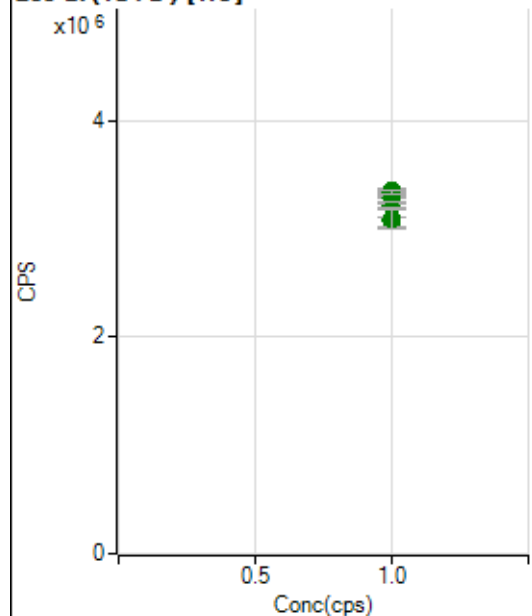
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		14310829.49		A	0.8
2	☐	1.000		14533315.43		A	0.4
3	☐	1.000		14950932.97		A	2.1
4	☐	1.000		14674394.43		A	3.8
5	☐	1.000		15173889.40		A	1.7
6	☐	1.000		15219344.09		A	2.4
7	☐	1.000		14929510.92		A	0.8
8	☐	1.000		15015802.07		A	2.7

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4496254.27		A	3.1
2	☐	1.000		4685317.40		A	0.5
3	☐	1.000		4754376.53		A	1.0
4	☐	1.000		4848193.92		A	1.9
5	☐	1.000		4934246.94		A	0.8
6	☐	1.000		4859904.79		A	1.3
7	☐	1.000		5027922.57		A	1.4
8	☐	1.000		5078947.29		A	6.9

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8442985.08		A	1.6
2	☐	1.000		8419622.72		A	0.5
3	☐	1.000		8691553.34		A	3.5
4	☐	1.000		8510348.83		A	2.7
5	☐	1.000		8788449.04		A	2.0
6	☐	1.000		8647630.08		A	1.3
7	☐	1.000		8361972.65		A	1.4
8	☐	1.000		7576168.50		A	1.4

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3073392.94		A	2.9
2	☐	1.000		3213619.78		A	1.0
3	☐	1.000		3298661.27		A	2.5
4	☐	1.000		3320343.84		A	1.6
5	☐	1.000		3352657.38		A	1.3
6	☐	1.000		3279666.06		A	1.9
7	☐	1.000		3336395.44		A	0.9
8	☐	1.000		3095403.98		A	5.4

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P8100821 MS.b
Acq. Date-Time 2021-10-08 10:42:45
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		26244	262436.01			3.771	5.000
24		190621	1906212.81			4.586	5.000
25		25493	254928.82			3.836	5.000
26		29578	295775.57			3.877	5.000
59		51551	515513.65			3.740	5.000
113		21808	218080.36			3.988	5.000
115		65760	657604.83			3.942	5.000
206		25472	254719.46			4.830	5.000
207		21198	211984.09			4.290	5.000
208		52291	522909.73			4.260	5.000
220		1	5.40			17.810	

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

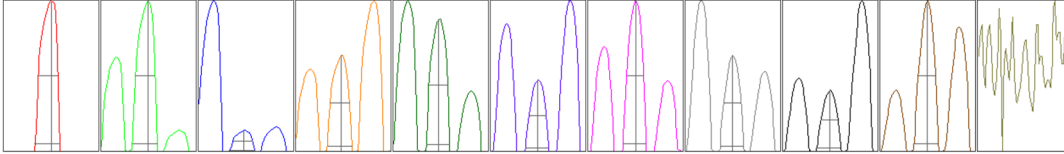
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	26877	24523	26387	26505	26926
24	199973	176596	192623	189319	194594
25	26092	23772	25689	25818	26093
26	30333	27566	29920	29800	30268
59	52779	48203	51949	51908	52917
113	22288	20272	22078	22035	22367
115	68004	61442	66118	65724	67514
206	26072	23367	25707	25660	26555
207	21587	19634	21380	21393	21998
208	53357	48357	52888	53039	53813

US EPA Tune Check Report

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	44801.48	9.05	8.90 - 9.10	
24	324163.34	24.00	23.90 - 24.10	
25	43572.82	24.95	24.90 - 25.10	
26	51072.16	25.95	25.90 - 26.10	
59	92719.50	58.95	58.90 - 59.10	
113	42410.03	113.00	112.90 - 113.10	
115	129891.59	115.05	114.90 - 115.10	
206	49227.16	206.00	205.90 - 206.10	
207	41072.42	207.00	206.90 - 207.10	
208	101580.06	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.777	0.900	
24	0.62	0.786	0.900	
25	0.62	0.778	0.900	
26	0.62	0.785	0.900	
59	0.59	0.736	0.900	
113	0.53	0.728	0.900	
115	0.53	0.726	0.900	
206	0.54	0.738	0.900	
207	0.54	0.771	0.900	
208	0.54	0.770	0.900	
220	0.31			

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.79 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

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

Lens Parameters

Extract 1	-6.0 V	Omega Lens	8.8 V	Deflect	16.4 V
Extract 2	-195.0 V	Cell Entrance	-30 V	Plate Bias	-50 V
Omega Bias	-120 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	4.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9995	QP Bias	-4.0 V
Mass Offset	125	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	0.8 mm	Torch V	-0.9 mm
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EM

Discriminator	4.1 mV	Analog HV	2267 V	Pulse HV	1542 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		8433	84325.70			1.233	
89		25504	255040.80			0.701	
205		15300	153000.31			1.016	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	8364	8296	8473	8467	8563
89	25366	25345	25702	25414	25694
205	15192	15100	15427	15311	15470

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

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

Lens Parameters

Extract 1	-6.0 V	Omega Lens	8.8 V	Deflect	4.6 V
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US EPA Tune Check Report

Extract 2	-195.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-120 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	190 V		
QP Parameters					
Mass Gain	124	Axis Gain	0.9995	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.02		
Hardware Settings					
Torch					
Torch H	0.8 mm	Torch V	-0.9 mm		
EM					
Discriminator	4.1 mV	Analog HV	2267 V	Pulse HV	1542 V

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:13:13	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.05	-0.10	0.15	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.01	0.00	-0.01	0.00	N/A	ppb
Barium	135-1	0.01	-0.01	0.00	0.00	N/A	ppb
Barium	137-1	-0.01	0.01	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	-0.10	-0.01	0.11	0.00	N/A	ppb
Boron	11-1	0.03	0.02	-0.05	0.00	N/A	ppb
Bromine	81-1						cps
Cadmium	111-1	0.06	-0.09	0.02	0.00	N/A	ppb
Cadmium	106-1	1.02	-1.36	0.34	0.00	N/A	ppb
Cadmium	108-1	0.16	-0.15	0.00	0.00	N/A	ppb
Calcium	43-1	0.40	1.43	-1.84	0.00	N/A	ppb
Calcium	44-1	-1.30	3.36	-2.06	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.01	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.00	-0.01	0.01	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	54-2	-1.14	1.79	-0.65	0.00	N/A	ppb
Iron	56-2	0.07	-0.04	-0.03	0.00	N/A	ppb
Iron	57-2	0.90	-0.30	-0.60	0.00	N/A	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:13:13	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	-0.02	0.01	0.01	0.00	N/A	ppb
Lead	207-1	-0.03	0.01	0.02	0.00	N/A	ppb
Lead	208-1	-0.01	0.01	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.20	-0.17	0.37	0.00	N/A	ppb
Manganese	55-2	0.01	0.00	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	-0.01	0.00	0.01	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.01	-0.01	0.00	N/A	ppb
Phosphorus	31-2	-3.33	0.98	-16.53	-6.29		ppb
Potassium	39-2	-2.04	0.03	2.00	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.21	-0.17	-0.04	0.00	N/A	ppb
Selenium	77-2	0.80	-0.40	-0.40	0.00	N/A	ppb
Selenium	78-2	-0.85	0.91	-0.07	0.00	N/A	ppb
Silicon	28-1	-0.77	0.68	0.09	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-2.19	1.38	0.81	0.00	N/A	ppb
Strontium	86-1	-0.01	-0.01	0.02	0.00	N/A	ppb
Strontium	88-1	-0.01	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-314.56	73.95	-87.73	-109.45		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.01	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.02	-0.01	-0.01	0.00	N/A	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:13:13	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.02	-0.03	0.01	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.03	0.11	-0.07	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.01	-0.01	0.00	0.00	N/A	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:19:21 DataFile Name : 005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.95	22.04	23.78	22.92	3.79	ppb
Antimony	121-1	1.98	1.96	2.06	2.00	2.63	ppb
Arsenic	75-2	1.05	1.09	1.17	1.10	5.90	ppb
Barium	135-1	10.09	10.05	10.49	10.21	2.41	ppb
Barium	137-1	10.50	9.99	10.40	10.30	2.59	ppb
Beryllium	9-1	1.09	1.04	1.04	1.06	2.82	ppb
Bismuth	209-1				100		%
Bismuth	209-2				105		%
Boron	10-1	22.04	22.96	24.33	23.11	4.99	ppb
Boron	11-1	24.50	26.50	26.89	25.96	4.95	ppb
Bromine	81-1						cps
Cadmium	111-1	0.96	0.78	1.08	0.94	15.65	ppb
Cadmium	106-1	-0.56	-2.14	1.67	-0.34		ppb
Cadmium	108-1	0.89	0.86	0.77	0.84	7.44	ppb
Calcium	43-1	541.29	524.12	517.40	527.60	2.34	ppb
Calcium	44-1	524.82	517.20	507.98	516.66	1.63	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.95	2.10	2.08	2.04	3.82	ppb
Cobalt	59-2	1.02	1.03	1.05	1.03	1.70	ppb
Copper	63-2	1.83	1.85	1.92	1.86	2.49	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				101		%
Indium	115-2				105		%
Iron	54-2	55.21	59.44	63.12	59.25	6.68	ppb
Iron	56-2	57.04	57.61	61.53	58.73	4.17	ppb
Iron	57-2	56.60	56.14	58.81	57.18	2.49	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:19:21	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.89	0.94	0.92	0.92	2.66	ppb
Lead	207-1	0.91	0.88	0.95	0.92	4.06	ppb
Lead	208-1	0.92	0.91	0.93	0.92	1.35	ppb
Lithium	6-1				102		%
Magnesium	24-2	571.62	563.46	573.76	569.61	0.95	ppb
Manganese	55-2	1.03	1.02	0.99	1.01	2.15	ppb
Molybdenum	94-1	5.27	5.07	5.08	5.14	2.17	ppb
Molybdenum	95-1	5.32	4.99	5.28	5.20	3.46	ppb
Molybdenum	96-1	5.25	5.09	5.14	5.16	1.53	ppb
Molybdenum	97-1	5.38	5.11	5.20	5.23	2.62	ppb
Molybdenum	98-1	5.29	5.19	4.95	5.14	3.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.12	1.09	1.08	1.10	2.07	ppb
Phosphorus	31-2	15.35	-1.99	5.53	6.29	138.15	ppb
Potassium	39-2	516.06	517.84	533.28	522.39	1.81	ppb
Rhodium	103-1				101		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				105		%
Selenium	82-1	5.73	5.92	5.41	5.69	4.53	ppb
Selenium	77-2	8.90	2.91	7.73	6.52	48.73	ppb
Selenium	78-2	6.66	4.86	6.16	5.89	15.79	ppb
Silicon	28-1	10.67	9.71	8.59	9.65	10.78	ppb
Silver	107-1	0.96	0.99	1.09	1.01	6.76	ppb
Silver	109-1	0.99	1.03	1.01	1.01	1.70	ppb
Sodium	23-2	549.68	556.64	560.63	555.65	1.00	ppb
Strontium	86-1	1.09	1.14	1.19	1.14	4.12	ppb
Strontium	88-1	1.14	1.09	1.13	1.12	2.39	ppb
Sulfur	34-1	300.42	119.46	-91.53	109.45	179.23	ppb
Terbium	159-1				101		%
Terbium	159-2				106		%
Thallium	203-1	0.92	0.91	0.96	0.93	3.13	ppb
Thallium	205-1	1.00	0.97	0.98	0.98	1.43	ppb
Tin	118-1	5.02	4.74	5.14	4.97	4.18	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:19:21	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5.07	5.23	4.95	5.08	2.76	ppb
Uranium	238-1	0.93	0.89	0.92	0.91	1.87	ppb
Vanadium	51-2	5.10	5.13	5.17	5.13	0.65	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				106		%
Zinc	66-2	2.33	2.81	2.34	2.49	10.94	ppb
Zirconium	90-1	1.01	0.98	0.94	0.98	3.76	ppb
Zirconium	91-1	1.14	0.95	1.02	1.04	9.39	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:22:27 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1071.11	1078.91	1065.04	1071.68	0.65	ppb
Antimony	121-1	49.29	50.70	52.10	50.69	2.77	ppb
Arsenic	75-2	52.31	52.12	51.97	52.13	0.33	ppb
Barium	135-1	244.73	248.99	256.07	249.93	2.29	ppb
Barium	137-1	249.58	256.54	264.62	256.91	2.93	ppb
Beryllium	9-1	51.92	51.21	51.26	51.46	0.77	ppb
Bismuth	209-1				103		%
Bismuth	209-2				107		%
Boron	10-1	46.64	48.18	49.62	48.15	3.10	ppb
Boron	11-1	49.96	52.42	54.29	52.22	4.16	ppb
Bromine	81-1						cps
Cadmium	111-1	52.28	53.87	54.44	53.53	2.09	ppb
Cadmium	106-1	50.58	54.11	53.63	52.77	3.63	ppb
Cadmium	108-1	52.19	54.22	56.43	54.28	3.91	ppb
Calcium	43-1	5930.95	5849.20	6005.83	5928.66	1.32	ppb
Calcium	44-1	5765.78	5689.17	5862.69	5772.55	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.47	50.72	49.21	50.13	1.62	ppb
Cobalt	59-2	51.14	51.49	51.10	51.25	0.42	ppb
Copper	63-2	533.66	539.48	519.06	530.73	1.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				107		%
Iron	54-2	2798.85	2817.89	2811.90	2809.55	0.35	ppb
Iron	56-2	2792.93	2854.01	2666.88	2771.27	3.44	ppb
Iron	57-2	2748.14	2791.01	2716.79	2751.98	1.35	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:22:27	DataFile Name :	006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	252.01	247.74	247.06	248.94	1.08	ppb
Lead	207-1	246.32	247.48	252.38	248.73	1.29	ppb
Lead	208-1	247.67	246.77	251.59	248.68	1.03	ppb
Lithium	6-1				101		%
Magnesium	24-2	5685.65	5680.94	5509.35	5625.31	1.79	ppb
Manganese	55-2	507.51	513.51	504.37	508.46	0.91	ppb
Molybdenum	94-1	241.74	259.49	257.22	252.82	3.82	ppb
Molybdenum	95-1	247.61	257.10	258.32	254.34	2.31	ppb
Molybdenum	96-1	249.73	258.44	251.25	253.14	1.84	ppb
Molybdenum	97-1	246.81	250.66	251.13	249.53	0.95	ppb
Molybdenum	98-1	251.35	248.76	254.04	251.39	1.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.52	51.92	50.17	51.20	1.80	ppb
Phosphorus	31-2	1036.37	972.98	999.42	1002.93	3.17	ppb
Potassium	39-2	2652.18	2725.98	2651.74	2676.63	1.60	ppb
Rhodium	103-1				100		%
Rhodium	103-2				107		%
Scandium	45-1				102		%
Scandium	45-2				104		%
Selenium	82-1	52.67	52.92	52.66	52.75	0.28	ppb
Selenium	77-2	60.46	56.97	49.88	55.77	9.66	ppb
Selenium	78-2	52.83	54.62	52.95	53.47	1.87	ppb
Silicon	28-1	60.24	56.71	71.85	62.94	12.59	ppb
Silver	107-1	51.32	53.40	54.73	53.15	3.24	ppb
Silver	109-1	52.30	53.81	54.51	53.54	2.11	ppb
Sodium	23-2	5366.15	5497.82	5280.56	5381.51	2.03	ppb
Strontium	86-1	509.47	527.34	510.96	515.92	1.92	ppb
Strontium	88-1	500.77	506.88	505.49	504.38	0.63	ppb
Sulfur	34-1	2018.35	1329.88	1416.43	1588.22	23.61	ppb
Terbium	159-1				101		%
Terbium	159-2				105		%
Thallium	203-1	45.74	46.48	44.52	45.58	2.18	ppb
Thallium	205-1	48.18	47.46	46.30	47.31	2.00	ppb
Tin	118-1	50.23	53.08	52.43	51.91	2.88	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:22:27	DataFile Name :	006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	254.93	255.97	258.69	256.53	0.76	ppb
Uranium	238-1	47.46	48.53	47.07	47.69	1.58	ppb
Vanadium	51-2	50.72	50.96	49.29	50.32	1.79	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				105		%
Zinc	66-2	529.79	529.91	521.37	527.02	0.93	ppb
Zirconium	90-1	49.54	49.85	50.31	49.90	0.78	ppb
Zirconium	91-1	49.69	49.31	50.17	49.72	0.86	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:25:31 DataFile Name : 007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2630.11	2639.83	2531.37	2600.44	2.31	ppb
Antimony	121-1	120.97	121.50	135.90	126.12	6.72	ppb
Arsenic	75-2	125.79	129.69	121.78	125.76	3.14	ppb
Barium	135-1	631.26	619.75	685.52	645.51	5.44	ppb
Barium	137-1	614.59	615.81	688.26	639.55	6.60	ppb
Beryllium	9-1	121.89	123.54	136.14	127.19	6.13	ppb
Bismuth	209-1				101		%
Bismuth	209-2				108		%
Boron	10-1	105.78	115.37	129.04	116.73	10.01	ppb
Boron	11-1	114.64	124.30	142.16	127.03	10.99	ppb
Bromine	81-1						cps
Cadmium	111-1	124.03	126.69	142.44	131.05	7.59	ppb
Cadmium	106-1	127.00	132.98	143.95	134.64	6.39	ppb
Cadmium	108-1	126.16	124.28	143.09	131.18	7.90	ppb
Calcium	43-1	14291.20	14337.84	15283.96	14637.66	3.83	ppb
Calcium	44-1	13882.32	13744.40	14792.35	14139.69	4.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	123.78	125.76	119.85	123.13	2.44	ppb
Cobalt	59-2	126.66	127.43	121.85	125.31	2.41	ppb
Copper	63-2	1311.56	1304.07	1258.98	1291.54	2.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				108		%
Indium	115-1				99		%
Indium	115-2				104		%
Iron	54-2	6995.18	6952.56	6775.68	6907.81	1.68	ppb
Iron	56-2	6951.36	6892.10	6574.50	6805.99	2.98	ppb
Iron	57-2	6831.80	6921.85	6502.04	6751.90	3.27	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:25:31	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	594.00	616.77	647.64	619.47	4.35	ppb
Lead	207-1	614.99	616.53	653.81	628.44	3.50	ppb
Lead	208-1	601.73	609.53	655.22	622.16	4.64	ppb
Lithium	6-1				100		%
Magnesium	24-2	13568.27	13596.84	13294.70	13486.60	1.24	ppb
Manganese	55-2	1295.91	1297.57	1238.32	1277.27	2.64	ppb
Molybdenum	94-1	598.47	630.97	648.02	625.82	4.02	ppb
Molybdenum	95-1	599.96	627.07	646.66	624.56	3.75	ppb
Molybdenum	96-1	607.52	622.60	644.96	625.03	3.01	ppb
Molybdenum	97-1	602.96	628.17	658.55	629.89	4.42	ppb
Molybdenum	98-1	598.44	604.21	648.15	616.93	4.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	127.31	126.52	121.39	125.07	2.57	ppb
Phosphorus	31-2	2653.49	2583.06	2387.08	2541.21	5.43	ppb
Potassium	39-2	6505.55	6622.13	6348.44	6492.04	2.12	ppb
Rhodium	103-1				97		%
Rhodium	103-2				105		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	125.56	130.40	136.95	130.97	4.37	ppb
Selenium	77-2	127.46	138.02	125.54	130.34	5.16	ppb
Selenium	78-2	127.55	134.27	123.82	128.54	4.12	ppb
Silicon	28-1	128.41	129.90	139.81	132.71	4.67	ppb
Silver	107-1	129.71	131.35	143.16	134.74	5.45	ppb
Silver	109-1	128.39	126.14	144.02	132.85	7.33	ppb
Sodium	23-2	13233.36	13233.12	12813.85	13093.44	1.85	ppb
Strontium	86-1	1212.51	1238.37	1332.35	1261.07	5.00	ppb
Strontium	88-1	1223.27	1247.12	1325.82	1265.40	4.24	ppb
Sulfur	34-1	3336.91	3123.20	3912.22	3457.44	11.80	ppb
Terbium	159-1				101		%
Terbium	159-2				107		%
Thallium	203-1	116.02	115.88	124.93	118.95	4.36	ppb
Thallium	205-1	120.60	123.83	130.11	124.85	3.87	ppb
Tin	118-1	120.90	123.50	135.39	126.59	6.10	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:25:31	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	610.95	619.85	661.38	630.73	4.27	ppb
Uranium	238-1	117.18	121.21	128.69	122.36	4.78	ppb
Vanadium	51-2	125.12	125.83	122.13	124.36	1.58	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				99		%
Yttrium	89-2				105		%
Zinc	66-2	1303.47	1311.62	1237.62	1284.24	3.16	ppb
Zirconium	90-1	120.16	125.86	130.13	125.39	3.99	ppb
Zirconium	91-1	118.04	122.74	128.90	123.23	4.42	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:28:37	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5211.83	5281.33	5484.42	5325.86	2.66	ppb
Antimony	121-1	251.14	249.88	263.77	254.93	3.01	ppb
Arsenic	75-2	253.03	257.65	261.06	257.25	1.57	ppb
Barium	135-1	1277.43	1241.70	1296.46	1271.86	2.19	ppb
Barium	137-1	1291.91	1224.63	1302.79	1273.11	3.33	ppb
Beryllium	9-1	248.56	253.36	277.97	259.96	6.07	ppb
Bismuth	209-1				104		%
Bismuth	209-2				109		%
Boron	10-1	225.49	241.40	271.73	246.21	9.54	ppb
Boron	11-1	245.41	264.18	301.38	270.32	10.54	ppb
Bromine	81-1						cps
Cadmium	111-1	253.62	243.94	268.89	255.48	4.92	ppb
Cadmium	106-1	251.20	258.77	264.09	258.02	2.51	ppb
Cadmium	108-1	254.85	252.53	270.63	259.34	3.80	ppb
Calcium	43-1	29069.32	30267.59	32076.31	30471.07	4.97	ppb
Calcium	44-1	27974.78	28287.34	30337.45	28866.52	4.45	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	248.71	251.49	260.55	253.58	2.44	ppb
Cobalt	59-2	252.67	258.00	265.99	258.89	2.59	ppb
Copper	63-2	2612.36	2636.13	2747.69	2665.39	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				106		%
Holmium	165-2				110		%
Indium	115-1				99		%
Indium	115-2				104		%
Iron	54-2	14521.38	14424.62	15103.53	14683.18	2.50	ppb
Iron	56-2	13741.50	13935.85	14413.85	14030.40	2.47	ppb
Iron	57-2	13673.76	13646.80	14405.63	13908.73	3.10	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:28:37	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1212.74	1206.42	1276.11	1231.76	3.13	ppb
Lead	207-1	1230.03	1209.95	1275.97	1238.65	2.73	ppb
Lead	208-1	1234.05	1230.74	1284.91	1249.90	2.43	ppb
Lithium	6-1				96		%
Magnesium	24-2	26969.18	27460.56	28121.64	27517.13	2.10	ppb
Manganese	55-2	2516.02	2647.13	2651.33	2604.83	2.95	ppb
Molybdenum	94-1	1262.34	1227.52	1299.74	1263.20	2.86	ppb
Molybdenum	95-1	1259.01	1233.35	1299.24	1263.86	2.63	ppb
Molybdenum	96-1	1234.30	1211.91	1287.70	1244.64	3.13	ppb
Molybdenum	97-1	1235.24	1233.48	1321.11	1263.28	3.97	ppb
Molybdenum	98-1	1239.12	1213.14	1297.55	1249.94	3.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	252.23	252.08	263.78	256.03	2.62	ppb
Phosphorus	31-2	5060.82	5378.86	5376.43	5272.04	3.47	ppb
Potassium	39-2	12913.88	13135.27	13772.70	13273.95	3.36	ppb
Rhodium	103-1				99		%
Rhodium	103-2				104		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	256.04	251.89	268.82	258.92	3.41	ppb
Selenium	77-2	258.63	259.40	269.85	262.63	2.39	ppb
Selenium	78-2	266.41	266.60	269.93	267.65	0.74	ppb
Silicon	28-1	242.47	248.77	261.76	251.00	3.92	ppb
Silver	107-1	251.54	259.29	268.60	259.81	3.29	ppb
Silver	109-1	261.97	249.14	278.76	263.29	5.64	ppb
Sodium	23-2	26227.96	26929.51	27662.23	26939.90	2.66	ppb
Strontium	86-1	2518.58	2526.45	2639.58	2561.54	2.64	ppb
Strontium	88-1	2562.57	2524.86	2598.42	2561.95	1.44	ppb
Sulfur	34-1	5466.09	5954.91	6393.38	5938.13	7.81	ppb
Terbium	159-1				104		%
Terbium	159-2				109		%
Thallium	203-1	238.60	246.82	257.97	247.80	3.92	ppb
Thallium	205-1	240.52	239.05	258.59	246.06	4.42	ppb
Tin	118-1	253.80	251.79	263.77	256.45	2.50	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:28:37	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1265.40	1259.01	1296.44	1273.62	1.57	ppb
Uranium	238-1	241.54	242.88	254.92	246.44	2.99	ppb
Vanadium	51-2	250.19	253.34	264.87	256.14	3.02	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	2601.98	2592.28	2711.57	2635.27	2.51	ppb
Zirconium	90-1	253.37	244.63	258.77	252.26	2.83	ppb
Zirconium	91-1	262.40	248.01	263.59	258.00	3.36	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:31:39 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10366.59	10086.17	10110.97	10187.91	1.52	ppb
Antimony	121-1	490.59	487.90	500.98	493.16	1.40	ppb
Arsenic	75-2	518.06	508.43	504.02	510.17	1.41	ppb
Barium	135-1	2435.06	2409.15	2530.28	2458.16	2.59	ppb
Barium	137-1	2395.76	2435.30	2509.15	2446.74	2.35	ppb
Beryllium	9-1	494.74	493.66	493.84	494.08	0.12	ppb
Bismuth	209-1				102		%
Bismuth	209-2				107		%
Boron	10-1	471.06	476.32	497.94	481.77	2.96	ppb
Boron	11-1	487.07	466.14	489.46	480.89	2.67	ppb
Bromine	81-1						cps
Cadmium	111-1	501.11	494.05	503.29	499.48	0.97	ppb
Cadmium	106-1	490.38	497.32	494.63	494.11	0.71	ppb
Cadmium	108-1	487.28	487.69	496.42	490.46	1.05	ppb
Calcium	43-1	59189.40	58778.97	58396.24	58788.20	0.67	ppb
Calcium	44-1	55327.73	55039.38	55796.29	55387.80	0.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	523.89	499.31	507.87	510.36	2.44	ppb
Cobalt	59-2	519.51	497.54	507.82	508.29	2.16	ppb
Copper	63-2	5171.47	4977.69	5086.32	5078.49	1.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				108		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	54-2	28635.08	27703.76	28146.64	28161.83	1.65	ppb
Iron	56-2	27694.31	27332.00	26715.86	27247.39	1.82	ppb
Iron	57-2	28434.28	27613.14	27608.22	27885.21	1.71	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:31:39	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2422.29	2461.11	2391.33	2424.91	1.44	ppb
Lead	207-1	2337.38	2462.11	2390.59	2396.70	2.61	ppb
Lead	208-1	2398.21	2470.62	2402.71	2423.85	1.67	ppb
Lithium	6-1				96		%
Magnesium	24-2	53940.21	51673.22	53111.37	52908.27	2.17	ppb
Manganese	55-2	5151.49	5067.05	4998.40	5072.32	1.51	ppb
Molybdenum	94-1	2433.64	2434.28	2447.10	2438.34	0.31	ppb
Molybdenum	95-1	2431.50	2473.16	2428.56	2444.41	1.02	ppb
Molybdenum	96-1	2447.42	2413.49	2404.77	2421.89	0.93	ppb
Molybdenum	97-1	2453.92	2407.72	2417.31	2426.32	1.00	ppb
Molybdenum	98-1	2423.51	2476.30	2395.86	2431.89	1.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	498.01	485.58	494.51	492.70	1.30	ppb
Phosphorus	31-2	10444.78	9864.57	10232.39	10180.58	2.88	ppb
Potassium	39-2	26386.80	25804.37	25265.83	25819.00	2.17	ppb
Rhodium	103-1				97		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	499.14	504.35	496.18	499.89	0.83	ppb
Selenium	77-2	525.11	489.10	512.90	509.04	3.60	ppb
Selenium	78-2	524.03	511.90	508.65	514.86	1.57	ppb
Silicon	28-1	502.22	524.50	537.77	521.50	3.44	ppb
Silver	107-1	490.91	492.30	495.84	493.02	0.52	ppb
Silver	109-1	487.04	495.20	496.60	492.95	1.05	ppb
Sodium	23-2	52652.46	51155.85	51729.19	51845.83	1.46	ppb
Strontium	86-1	4980.17	4996.81	4872.34	4949.77	1.37	ppb
Strontium	88-1	4941.54	4941.23	4906.85	4929.87	0.40	ppb
Sulfur	34-1	11892.63	11068.17	11654.63	11538.48	3.68	ppb
Terbium	159-1				105		%
Terbium	159-2				108		%
Thallium	203-1	486.31	479.76	493.56	486.54	1.42	ppb
Thallium	205-1	478.59	497.12	486.14	487.28	1.91	ppb
Tin	118-1	486.73	485.74	497.52	490.00	1.33	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:31:39	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2445.14	2413.26	2454.47	2437.62	0.89	ppb
Uranium	238-1	475.82	482.61	483.67	480.70	0.89	ppb
Vanadium	51-2	507.55	492.26	494.99	498.27	1.64	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				104		%
Zinc	66-2	5304.14	5155.13	5078.99	5179.42	2.21	ppb
Zirconium	90-1	489.51	481.54	484.16	485.07	0.84	ppb
Zirconium	91-1	490.93	494.34	496.62	493.96	0.58	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:34:45	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19906.65	20275.94	20111.51	20098.03	0.92	ppb
Antimony	121-1	1011.19	1025.00	969.84	1002.01	2.86	ppb
Arsenic	75-2	1002.31	989.30	987.10	992.90	0.83	ppb
Barium	135-1	5055.66	5150.31	4832.71	5012.89	3.25	ppb
Barium	137-1	5090.65	5142.06	4823.36	5018.69	3.41	ppb
Beryllium	9-1	1001.92	1022.61	975.84	1000.12	2.34	ppb
Bismuth	209-1				99		%
Bismuth	209-2				109		%
Boron	10-1	965.21	1032.53	1035.97	1011.24	3.95	ppb
Boron	11-1	974.29	1047.52	990.45	1004.09	3.83	ppb
Bromine	81-1						cps
Cadmium	111-1	1029.30	1008.10	956.47	997.96	3.75	ppb
Cadmium	106-1	1022.67	1011.30	964.83	999.60	3.07	ppb
Cadmium	108-1	1021.18	1000.73	982.44	1001.45	1.94	ppb
Calcium	43-1	118767.11	119167.79	114342.00	117425.63	2.28	ppb
Calcium	44-1	113582.17	114599.07	110718.61	112966.62	1.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1003.67	974.23	1004.56	994.15	1.74	ppb
Cobalt	59-2	1000.36	989.78	990.45	993.53	0.60	ppb
Copper	63-2	9981.35	9716.39	10040.29	9912.68	1.74	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				112		%
Indium	115-1				100		%
Indium	115-2				105		%
Iron	54-2	54106.61	53088.36	55005.42	54066.80	1.77	ppb
Iron	56-2	53355.82	52970.13	53472.54	53266.16	0.49	ppb
Iron	57-2	54404.05	53679.89	55586.12	54556.68	1.76	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:34:45	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4971.26	5117.68	5039.61	5042.85	1.45	ppb
Lead	207-1	5060.46	5164.35	4937.56	5054.12	2.25	ppb
Lead	208-1	5022.42	5121.22	4971.93	5038.52	1.51	ppb
Lithium	6-1				90		%
Magnesium	24-2	100852.07	103117.47	103174.58	102381.37	1.29	ppb
Manganese	55-2	9999.27	9855.64	9946.50	9933.80	0.73	ppb
Molybdenum	94-1	5047.25	5111.57	4923.04	5027.29	1.91	ppb
Molybdenum	95-1	5058.04	5110.60	4903.86	5024.17	2.14	ppb
Molybdenum	96-1	5035.71	5145.05	4939.94	5040.23	2.04	ppb
Molybdenum	97-1	4990.10	5155.40	4953.31	5032.93	2.14	ppb
Molybdenum	98-1	4952.78	5221.66	4930.58	5035.01	3.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1005.82	995.20	1005.20	1002.07	0.59	ppb
Phosphorus	31-2	19719.59	20140.94	19648.68	19836.40	1.34	ppb
Potassium	39-2	49642.82	49436.51	51746.29	50275.20	2.54	ppb
Rhodium	103-1				97		%
Rhodium	103-2				104		%
Scandium	45-1				99		%
Scandium	45-2				104		%
Selenium	82-1	998.61	1006.12	986.09	996.94	1.02	ppb
Selenium	77-2	999.04	966.80	1008.24	991.36	2.19	ppb
Selenium	78-2	992.85	989.71	980.05	987.54	0.68	ppb
Silicon	28-1	978.08	1025.08	959.02	987.39	3.44	ppb
Silver	107-1	1008.02	1009.70	981.27	999.66	1.60	ppb
Silver	109-1	1018.42	1023.92	954.79	999.05	3.85	ppb
Sodium	23-2	101284.32	99087.23	101679.34	100683.63	1.39	ppb
Strontium	86-1	9979.77	10058.59	9984.28	10007.55	0.44	ppb
Strontium	88-1	10072.36	9965.48	10014.45	10017.43	0.53	ppb
Sulfur	34-1	19439.49	19525.51	17576.42	18847.14	5.84	ppb
Terbium	159-1				104		%
Terbium	159-2				109		%
Thallium	203-1	983.93	1024.32	1016.52	1008.26	2.12	ppb
Thallium	205-1	1001.89	1018.01	1002.59	1007.50	0.90	ppb
Tin	118-1	1024.38	1022.20	962.70	1003.09	3.49	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:34:45	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	4968.26	5118.91	4985.55	5024.24	1.64	ppb
Uranium	238-1	1021.72	1025.08	986.16	1010.99	2.13	ppb
Vanadium	51-2	987.51	993.76	1016.92	999.40	1.55	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				108		%
Zinc	66-2	9702.21	9732.68	10177.63	9870.84	2.70	ppb
Zirconium	90-1	1013.39	1000.86	1006.33	1006.86	0.62	ppb
Zirconium	91-1	1012.90	1003.01	987.85	1001.25	1.26	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:37:49 DataFile Name : 011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	94803.42	103375.74	101647.08	99942.08	4.54	ppb
Antimony	121-1	0.55	0.55	0.59	0.57	4.36	ppb
Arsenic	75-2	0.19	0.28	0.34	0.27	27.73	ppb
Barium	135-1	2.04	1.98	1.80	1.94	6.25	ppb
Barium	137-1	2.06	2.00	1.98	2.01	2.12	ppb
Beryllium	9-1	0.08	0.07	0.06	0.07	16.66	ppb
Bismuth	209-1				90		%
Bismuth	209-2				101		%
Boron	10-1	89.31	81.65	71.85	80.94	10.81	ppb
Boron	11-1	96.61	90.49	78.79	88.63	10.22	ppb
Bromine	81-1						cps
Cadmium	111-1	0.42	0.17	0.25	0.28	45.73	ppb
Cadmium	106-1	1.44	-1.26	-0.15	0.01	12426.21	ppb
Cadmium	108-1	0.13	0.25	-0.15	0.08	263.01	ppb
Calcium	43-1	476498.73	514783.99	494616.51	495299.74	3.87	ppb
Calcium	44-1	486334.32	510245.26	493297.93	496625.84	2.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.88	3.15	3.19	3.07	5.48	ppb
Cobalt	59-2	2.06	2.18	2.29	2.18	5.15	ppb
Copper	63-2	2.03	2.16	2.11	2.10	2.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				113		%
Indium	115-1				97		%
Indium	115-2				106		%
Iron	54-2	236045.55	257908.79	252270.93	248741.76	4.56	ppb
Iron	56-2	238625.00	256183.06	252278.62	249028.89	3.70	ppb
Iron	57-2	234271.63	257595.65	254276.63	248714.64	5.07	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:37:49	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1.74	1.69	1.77	1.73	2.34	ppb
Lead	207-1	1.78	1.75	1.78	1.77	0.89	ppb
Lead	208-1	1.80	1.72	1.77	1.76	2.11	ppb
Lithium	6-1				89		%
Magnesium	24-2	475166.09	507655.87	514406.20	499076.05	4.20	ppb
Manganese	55-2	11.39	12.45	12.35	12.06	4.83	ppb
Molybdenum	94-1	1.92	1.89	1.84	1.88	2.15	ppb
Molybdenum	95-1	1.53	1.54	1.42	1.50	4.29	ppb
Molybdenum	96-1	3.97	4.05	3.88	3.97	2.18	ppb
Molybdenum	97-1	1.61	1.52	1.55	1.56	3.15	ppb
Molybdenum	98-1	1.47	1.40	1.33	1.40	5.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.24	3.65	3.56	3.48	6.07	ppb
Phosphorus	31-2	-3.37	-6.36	-30.90	-13.54		ppb
Potassium	39-2	239571.66	255405.69	254472.15	249816.50	3.56	ppb
Rhodium	103-1				90		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				106		%
Selenium	82-1	1.30	1.21	1.19	1.24	4.56	ppb
Selenium	77-2	0.60	1.22	-0.40	0.47	172.52	ppb
Selenium	78-2	-0.26	1.02	1.20	0.66	121.64	ppb
Silicon	28-1	51.44	60.86	56.54	56.28	8.37	ppb
Silver	107-1	0.25	0.26	0.22	0.24	9.58	ppb
Silver	109-1	0.27	0.27	0.24	0.26	6.57	ppb
Sodium	23-2	469649.53	519857.11	509182.33	499562.99	5.29	ppb
Strontium	86-1	6.77	6.93	6.68	6.79	1.86	ppb
Strontium	88-1	6.70	6.88	6.78	6.79	1.36	ppb
Sulfur	34-1	-2808.83	-2243.66	-2643.06	-2565.18		ppb
Terbium	159-1				103		%
Terbium	159-2				113		%
Thallium	203-1	0.13	0.14	0.10	0.12	19.90	ppb
Thallium	205-1	0.16	0.15	0.15	0.15	4.53	ppb
Tin	118-1	0.34	0.34	0.35	0.34	0.75	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:37:49	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.75	0.71	0.73	0.73	2.95	ppb
Uranium	238-1	0.10	0.09	0.09	0.10	3.63	ppb
Vanadium	51-2	0.15	0.16	0.12	0.14	15.56	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				112		%
Zinc	66-2	30.68	34.56	32.94	32.73	5.96	ppb
Zirconium	90-1	0.42	0.44	0.44	0.43	2.45	ppb
Zirconium	91-1	0.43	0.46	0.46	0.45	4.05	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICV45 Instrumnet Name : P8
 Client Sample ID : ICV45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:55:52 DataFile Name : 012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	554.00	518.83	534.81	535.88	3.29	ppb
Antimony	121-1	211.61	210.68	209.09	210.46	0.60	ppb
Arsenic	75-2	220.58	209.08	213.04	214.23	2.73	ppb
Barium	135-1	105.37	107.20	102.54	105.04	2.24	ppb
Barium	137-1	106.22	107.66	106.32	106.73	0.75	ppb
Beryllium	9-1	102.07	101.98	99.93	101.33	1.20	ppb
Bismuth	209-1				107		%
Bismuth	209-2				108		%
Boron	10-1	59.48	61.55	64.30	61.78	3.91	ppb
Boron	11-1	64.95	67.68	67.72	66.79	2.38	ppb
Bromine	81-1						cps
Cadmium	111-1	106.87	109.88	108.45	108.40	1.39	ppb
Cadmium	106-1	94.16	103.54	97.28	98.33	4.86	ppb
Cadmium	108-1	115.81	116.19	118.53	116.85	1.26	ppb
Calcium	43-1	2058.96	2041.54	2133.99	2078.16	2.36	ppb
Calcium	44-1	2061.57	2154.24	2144.93	2120.25	2.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	107.64	100.57	102.95	103.72	3.47	ppb
Cobalt	59-2	108.87	102.77	105.25	105.63	2.91	ppb
Copper	63-2	107.50	101.75	103.78	104.35	2.80	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				108		%
Indium	115-1				107		%
Indium	115-2				108		%
Iron	54-2	2357.44	2211.69	2302.46	2290.53	3.21	ppb
Iron	56-2	2232.46	2185.01	2251.84	2223.10	1.55	ppb
Iron	57-2	2222.88	2138.56	2197.19	2186.21	1.98	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICV45	Instrumnet Name :	P8
Client Sample ID :	ICV45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:55:52	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	225.96	220.93	212.27	219.72	3.15	ppb
Lead	207-1	213.36	219.70	211.74	214.94	1.96	ppb
Lead	208-1	216.79	222.33	212.43	217.18	2.28	ppb
Lithium	6-1				97		%
Magnesium	24-2	1309.63	1253.69	1260.71	1274.68	2.39	ppb
Manganese	55-2	106.90	100.32	101.95	103.05	3.32	ppb
Molybdenum	94-1	1939.34	1902.39	1851.95	1897.89	2.31	ppb
Molybdenum	95-1	2706.88	2648.58	2559.52	2638.33	2.81	ppb
Molybdenum	96-1	2599.55	2584.80	2496.40	2560.25	2.18	ppb
Molybdenum	97-1	2695.75	2610.63	2541.99	2616.12	2.94	ppb
Molybdenum	98-1	2657.67	2601.77	2556.92	2605.45	1.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	107.30	101.78	105.31	104.80	2.67	ppb
Phosphorus	31-2	-15.71	-11.35	-15.39	-14.15		ppb
Potassium	39-2	2127.11	1995.14	2066.91	2063.05	3.20	ppb
Rhodium	103-1				108		%
Rhodium	103-2				108		%
Scandium	45-1				107		%
Scandium	45-2				104		%
Selenium	82-1	211.83	210.58	207.24	209.88	1.13	ppb
Selenium	77-2	235.33	204.76	217.56	219.22	7.00	ppb
Selenium	78-2	225.09	213.98	218.43	219.17	2.55	ppb
Silicon	28-1	20.52	30.04	38.28	29.61	30.00	ppb
Silver	107-1	51.53	52.29	52.61	52.14	1.06	ppb
Silver	109-1	54.03	53.35	52.59	53.33	1.35	ppb
Sodium	23-2	2208.01	2085.87	2140.71	2144.86	2.85	ppb
Strontium	86-1	58.64	58.11	57.75	58.16	0.77	ppb
Strontium	88-1	60.44	60.64	60.30	60.46	0.28	ppb
Sulfur	34-1	-2818.00	-2861.82	-2711.48	-2797.10		ppb
Terbium	159-1				106		%
Terbium	159-2				109		%
Thallium	203-1	217.25	208.55	212.92	212.91	2.04	ppb
Thallium	205-1	216.93	212.86	208.77	212.85	1.92	ppb
Tin	118-1	56.66	57.45	57.71	57.27	0.95	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICV45	Instrumnet Name :	P8
Client Sample ID :	ICV45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:55:52	DataFile Name :	012ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2469.57	2531.25	2512.14	2504.32	1.26	ppb
Uranium	238-1	56.36	52.91	53.57	54.28	3.37	ppb
Vanadium	51-2	106.72	99.09	102.97	102.93	3.71	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				109		%
Zinc	66-2	216.21	208.50	214.62	213.11	1.91	ppb
Zirconium	90-1	57.97	57.60	56.31	57.29	1.52	ppb
Zirconium	91-1	56.94	56.88	54.68	56.17	2.29	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:13:56	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.14	21.88	23.42	22.48	3.67	ppb
Antimony	121-1	2.06	2.08	2.09	2.08	0.92	ppb
Arsenic	75-2	0.96	0.93	1.10	1.00	9.23	ppb
Barium	135-1	10.26	10.76	10.44	10.49	2.42	ppb
Barium	137-1	10.43	10.95	10.70	10.69	2.42	ppb
Beryllium	9-1	1.11	1.10	1.04	1.08	3.23	ppb
Bismuth	209-1				101		%
Bismuth	209-2				111		%
Boron	10-1	27.76	27.54	29.93	28.41	4.66	ppb
Boron	11-1	30.58	31.22	33.45	31.75	4.74	ppb
Bromine	81-1						cps
Cadmium	111-1	0.88	1.00	0.92	0.93	6.63	ppb
Cadmium	106-1	-1.90	-0.62	-1.32	-1.28		ppb
Cadmium	108-1	0.76	0.99	0.44	0.73	38.37	ppb
Calcium	43-1	557.72	548.72	517.21	541.22	3.93	ppb
Calcium	44-1	553.62	553.31	527.66	544.86	2.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.08	1.99	2.27	2.12	6.68	ppb
Cobalt	59-2	1.03	1.02	1.07	1.04	2.31	ppb
Copper	63-2	1.95	1.87	2.05	1.96	4.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				103		%
Indium	115-2				111		%
Iron	54-2	57.49	58.22	62.32	59.34	4.39	ppb
Iron	56-2	56.02	54.29	58.15	56.15	3.44	ppb
Iron	57-2	51.80	54.02	55.61	53.81	3.56	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:13:56	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	1.08	1.15	1.02	1.09	5.70	ppb
Lead	207-1	1.10	1.27	0.98	1.12	13.05	ppb
Lead	208-1	1.10	1.25	0.99	1.11	11.41	ppb
Lithium	6-1				96		%
Magnesium	24-2	541.30	532.51	575.55	549.78	4.14	ppb
Manganese	55-2	1.04	1.01	1.11	1.06	4.82	ppb
Molybdenum	94-1	5.29	5.06	5.14	5.16	2.34	ppb
Molybdenum	95-1	5.49	5.19	5.20	5.29	3.17	ppb
Molybdenum	96-1	5.35	5.17	4.87	5.13	4.77	ppb
Molybdenum	97-1	5.41	5.34	5.06	5.27	3.46	ppb
Molybdenum	98-1	5.31	5.09	5.10	5.17	2.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.04	1.02	1.20	1.09	8.82	ppb
Phosphorus	31-2	-19.20	-27.99	-0.22	-15.80		ppb
Potassium	39-2	503.08	489.55	561.15	517.92	7.34	ppb
Rhodium	103-1				105		%
Rhodium	103-2				109		%
Scandium	45-1				106		%
Scandium	45-2				108		%
Selenium	82-1	5.89	5.36	6.20	5.82	7.26	ppb
Selenium	77-2	4.90	4.82	2.94	4.22	26.24	ppb
Selenium	78-2	5.18	4.30	5.87	5.12	15.35	ppb
Silicon	28-1	6.11	4.95	5.15	5.40	11.49	ppb
Silver	107-1	0.99	1.05	1.04	1.03	3.24	ppb
Silver	109-1	1.01	1.07	1.06	1.05	3.33	ppb
Sodium	23-2	534.34	530.79	579.37	548.17	4.94	ppb
Strontium	86-1	1.51	1.44	1.11	1.35	15.75	ppb
Strontium	88-1	1.56	1.53	1.16	1.42	15.45	ppb
Sulfur	34-1	-1953.63	-1932.22	-1707.91	-1864.58		ppb
Terbium	159-1				102		%
Terbium	159-2				110		%
Thallium	203-1	0.98	0.96	0.96	0.97	1.37	ppb
Thallium	205-1	0.98	1.04	0.99	1.00	2.96	ppb
Tin	118-1	5.10	5.24	5.19	5.18	1.37	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:13:56	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	5.49	5.14	5.25	5.29	3.38	ppb
Uranium	238-1	0.91	0.96	0.90	0.92	3.66	ppb
Vanadium	51-2	5.08	4.99	5.57	5.21	5.97	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				111		%
Zinc	66-2	2.09	2.19	2.65	2.31	13.03	ppb
Zirconium	90-1	1.05	0.99	0.97	1.00	4.00	ppb
Zirconium	91-1	1.09	1.11	1.01	1.07	4.60	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICB45 Instrumnet Name : P8
 Client Sample ID : ICB45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:17:00 DataFile Name : 015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.33	-0.30	-0.60	-0.41		ppb
Antimony	121-1	-0.01	0.01	0.02	0.01	236.85	ppb
Arsenic	75-2	-0.05	-0.05	-0.04	-0.05		ppb
Barium	135-1	-0.03	0.09	0.16	0.07	130.06	ppb
Barium	137-1	-0.01	0.09	0.16	0.08	110.01	ppb
Beryllium	9-1	-0.02	0.03	0.04	0.02	171.33	ppb
Bismuth	209-1				106		%
Bismuth	209-2				109		%
Boron	10-1	7.11	6.39	6.76	6.76	5.33	ppb
Boron	11-1	7.60	7.47	7.10	7.39	3.51	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.08	-0.12	-0.09	-0.10		ppb
Cadmium	106-1	-1.26	-1.99	-2.02	-1.76		ppb
Cadmium	108-1	-0.58	-0.37	-0.34	-0.43		ppb
Calcium	43-1	-7.67	8.88	10.43	3.88	258.67	ppb
Calcium	44-1	3.13	14.06	21.29	12.83	71.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	-0.01	-0.01	0.00		ppb
Cobalt	59-2	-0.01	-0.01	0.00	0.00		ppb
Copper	63-2	0.00	-0.04	-0.04	-0.03		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				109		%
Indium	115-1				106		%
Indium	115-2				110		%
Iron	54-2	-0.23	-0.58	-1.58	-0.80		ppb
Iron	56-2	0.10	-0.32	-0.32	-0.18		ppb
Iron	57-2	-1.14	-0.53	-1.61	-1.09		ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICB45 Instrumnet Name : P8
 Client Sample ID : ICB45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:17:00 DataFile Name : 015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	-0.04	0.09	0.07	0.04	169.67	ppb
Lead	207-1	-0.05	0.11	0.05	0.04	210.24	ppb
Lead	208-1	-0.04	0.09	0.06	0.04	171.43	ppb
Lithium	6-1				98		%
Magnesium	24-2	0.29	-0.03	0.14	0.13	123.93	ppb
Manganese	55-2	-0.01	-0.04	-0.02	-0.02		ppb
Molybdenum	94-1	-0.03	0.09	0.27	0.11	134.02	ppb
Molybdenum	95-1	-0.01	0.09	0.15	0.08	108.76	ppb
Molybdenum	96-1	0.00	0.05	0.19	0.08	120.78	ppb
Molybdenum	97-1	-0.02	0.07	0.15	0.07	120.70	ppb
Molybdenum	98-1	-0.02	0.08	0.17	0.08	122.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.01	-0.02	-0.01		ppb
Phosphorus	31-2	-16.49	12.78	-24.46	-9.39		ppb
Potassium	39-2	-4.39	-9.14	-15.71	-9.75		ppb
Rhodium	103-1				107		%
Rhodium	103-2				109		%
Scandium	45-1				108		%
Scandium	45-2				108		%
Selenium	82-1	-0.10	-0.02	-0.27	-0.13		ppb
Selenium	77-2	0.15	0.68	-0.40	0.14	373.66	ppb
Selenium	78-2	-0.25	0.27	0.03	0.02	1554.02	ppb
Silicon	28-1	-6.23	-7.38	-7.62	-7.08		ppb
Silver	107-1	0.02	0.01	0.01	0.02	13.66	ppb
Silver	109-1	0.01	0.01	0.02	0.01	5.32	ppb
Sodium	23-2	3.41	-3.48	0.49	0.14	2448.71	ppb
Strontium	86-1	-0.04	0.14	0.10	0.07	136.21	ppb
Strontium	88-1	-0.01	0.23	0.24	0.15	95.13	ppb
Sulfur	34-1	-1686.41	-1908.18	-1889.72	-1828.10		ppb
Terbium	159-1				103		%
Terbium	159-2				109		%
Thallium	203-1	-0.02	0.02	0.02	0.01	341.71	ppb
Thallium	205-1	-0.02	0.02	0.01	0.00	513.92	ppb
Tin	118-1	0.02	0.02	0.04	0.03	39.46	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICB45	Instrumnet Name :	P8
Client Sample ID :	ICB45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:17:00	DataFile Name :	015CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.01	0.11	0.14	0.08	101.41	ppb
Uranium	238-1	0.00	0.01	0.04	0.02	129.35	ppb
Vanadium	51-2	0.00	-0.01	-0.01	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				110		%
Zinc	66-2	-0.78	-0.90	-0.76	-0.81		ppb
Zirconium	90-1	-0.01	0.00	0.02	0.01	222.87	ppb
Zirconium	91-1	0.00	0.01	0.02	0.01	121.70	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSA45	Instrumnet Name :	P8
Client Sample ID :	ICSA45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:20:00	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99365.70	99274.66	96700.10	98446.82	1.54	ppb
Antimony	121-1	1.12	1.07	1.09	1.10	2.25	ppb
Arsenic	75-2	0.23	0.27	0.22	0.24	9.84	ppb
Barium	135-1	1.41	1.32	1.39	1.37	3.40	ppb
Barium	137-1	1.35	1.39	1.45	1.40	3.56	ppb
Beryllium	9-1	0.26	0.27	0.24	0.26	5.27	ppb
Bismuth	209-1				100		%
Bismuth	209-2				105		%
Boron	10-1	5.52	5.82	5.47	5.60	3.38	ppb
Boron	11-1	6.53	6.34	5.90	6.26	5.14	ppb
Bromine	81-1						cps
Cadmium	111-1	0.16	0.20	0.24	0.20	18.71	ppb
Cadmium	106-1	-2.63	-2.70	-2.59	-2.64		ppb
Cadmium	108-1	10.17	9.75	9.41	9.77	3.90	ppb
Calcium	43-1	97765.76	101139.70	102674.09	100526.52	2.50	ppb
Calcium	44-1	96864.37	98756.52	99382.37	98334.42	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.08	19.50	19.13	19.24	1.21	ppb
Cobalt	59-2	1.16	1.10	1.19	1.15	3.92	ppb
Copper	63-2	7.19	7.45	7.21	7.29	1.99	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				111		%
Indium	115-1				102		%
Indium	115-2				108		%
Iron	54-2	107393.66	107974.53	108129.58	107832.59	0.36	ppb
Iron	56-2	106896.16	105299.72	105358.04	105851.31	0.86	ppb
Iron	57-2	107642.71	107901.11	107426.02	107656.61	0.22	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSA45	Instrumnet Name :	P8
Client Sample ID :	ICSA45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:20:00	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	4.30	4.14	4.17	4.20	1.99	ppb
Lead	207-1	3.93	3.85	3.78	3.85	1.97	ppb
Lead	208-1	4.03	3.94	4.01	3.99	1.21	ppb
Lithium	6-1				97		%
Magnesium	24-2	101600.15	99654.64	98111.07	99788.62	1.75	ppb
Manganese	55-2	7.41	7.41	7.40	7.41	0.08	ppb
Molybdenum	94-1	1285.30	1293.32	1326.62	1301.75	1.68	ppb
Molybdenum	95-1	1887.54	1847.92	1910.73	1882.06	1.69	ppb
Molybdenum	96-1	1820.22	1773.08	1811.69	1801.66	1.39	ppb
Molybdenum	97-1	1843.82	1856.16	1880.69	1860.22	1.01	ppb
Molybdenum	98-1	1871.96	1845.06	1869.29	1862.11	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.27	5.22	5.38	5.29	1.59	ppb
Phosphorus	31-2	159605.94	162652.99	158502.74	160253.89	1.34	ppb
Potassium	39-2	99817.00	99223.92	97989.51	99010.14	0.94	ppb
Rhodium	103-1				98		%
Rhodium	103-2				105		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	82-1	0.82	0.31	0.37	0.50	55.36	ppb
Selenium	77-2	0.15	0.13	-0.40	-0.04		ppb
Selenium	78-2	-0.70	-0.16	0.13	-0.24		ppb
Silicon	28-1	23.75	21.01	22.69	22.48	6.16	ppb
Silver	107-1	0.06	0.05	0.04	0.05	22.53	ppb
Silver	109-1	0.04	0.04	0.05	0.04	7.49	ppb
Sodium	23-2	104732.15	102703.83	102988.39	103474.79	1.06	ppb
Strontium	86-1	33.88	33.07	34.17	33.71	1.70	ppb
Strontium	88-1	34.75	34.19	33.91	34.28	1.25	ppb
Sulfur	34-1	145236.36	153558.56	151879.05	150224.66	2.93	ppb
Terbium	159-1				105		%
Terbium	159-2				110		%
Thallium	203-1	0.00	0.00	0.01	0.00	368.41	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	12.52	ppb
Tin	118-1	0.17	0.19	0.17	0.17	5.80	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSA45	Instrumnet Name :	P8
Client Sample ID :	ICSA45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:20:00	DataFile Name :	016ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1974.04	1930.36	1961.81	1955.41	1.15	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	10.94	ppb
Vanadium	51-2	0.13	0.12	0.13	0.13	4.04	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				109		%
Zinc	66-2	13.12	12.81	12.20	12.71	3.70	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	24.18	ppb
Zirconium	91-1	0.01	0.01	0.03	0.02	75.42	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSAB45	Instrumnet Name :	P8
Client Sample ID :	ICSAB45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:22:56	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99924.03	98286.50	97696.42	98635.65	1.17	ppb
Antimony	121-1	19.69	21.59	20.89	20.72	4.63	ppb
Arsenic	75-2	19.34	20.29	20.43	20.02	2.97	ppb
Barium	135-1	19.91	21.89	21.18	20.99	4.78	ppb
Barium	137-1	20.66	22.47	21.75	21.63	4.21	ppb
Beryllium	9-1	19.00	20.42	19.31	19.58	3.83	ppb
Bismuth	209-1				100		%
Bismuth	209-2				106		%
Boron	10-1	55.02	60.79	58.35	58.05	4.99	ppb
Boron	11-1	62.06	66.94	65.67	64.89	3.90	ppb
Bromine	81-1						cps
Cadmium	111-1	18.97	21.45	19.63	20.01	6.41	ppb
Cadmium	106-1	22.40	25.94	22.26	23.53	8.87	ppb
Cadmium	108-1	29.71	33.19	31.93	31.61	5.57	ppb
Calcium	43-1	94983.46	102451.94	99603.72	99013.04	3.81	ppb
Calcium	44-1	93922.40	100012.79	97811.59	97248.93	3.17	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.07	38.22	37.74	38.34	1.76	ppb
Cobalt	59-2	20.86	20.42	20.17	20.48	1.71	ppb
Copper	63-2	26.48	26.37	25.89	26.25	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				111		%
Indium	115-1				104		%
Indium	115-2				109		%
Iron	54-2	106188.06	105560.17	104553.77	105434.00	0.78	ppb
Iron	56-2	106756.27	105316.30	105918.23	105996.93	0.68	ppb
Iron	57-2	106367.64	106914.83	104616.80	105966.42	1.13	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSAB45	Instrumnet Name :	P8
Client Sample ID :	ICSAB45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:22:56	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	22.33	23.79	23.35	23.16	3.24	ppb
Lead	207-1	21.41	22.72	21.76	21.96	3.10	ppb
Lead	208-1	21.94	23.00	22.12	22.35	2.53	ppb
Lithium	6-1				97		%
Magnesium	24-2	101287.00	100054.16	97536.45	99625.87	1.92	ppb
Manganese	55-2	26.98	26.28	26.28	26.51	1.52	ppb
Molybdenum	94-1	1374.60	1473.37	1430.71	1426.23	3.47	ppb
Molybdenum	95-1	1885.85	1998.55	1996.59	1960.33	3.29	ppb
Molybdenum	96-1	1854.53	1921.50	1912.13	1896.05	1.91	ppb
Molybdenum	97-1	1907.73	2028.49	1965.87	1967.36	3.07	ppb
Molybdenum	98-1	1836.19	2012.87	1951.85	1933.64	4.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.86	24.21	24.28	24.45	1.46	ppb
Phosphorus	31-2	159081.57	158669.76	156555.55	158102.29	0.86	ppb
Potassium	39-2	99493.46	98596.08	97298.19	98462.58	1.12	ppb
Rhodium	103-1				101		%
Rhodium	103-2				106		%
Scandium	45-1				108		%
Scandium	45-2				106		%
Selenium	82-1	18.91	20.54	19.88	19.78	4.13	ppb
Selenium	77-2	23.35	25.32	20.82	23.16	9.74	ppb
Selenium	78-2	17.77	20.12	17.77	18.55	7.32	ppb
Silicon	28-1	60.04	68.59	69.43	66.02	7.87	ppb
Silver	107-1	18.04	19.62	18.97	18.88	4.19	ppb
Silver	109-1	17.82	20.05	18.88	18.91	5.89	ppb
Sodium	23-2	103942.02	103838.00	101038.10	102939.37	1.60	ppb
Strontium	86-1	85.28	91.91	88.53	88.57	3.74	ppb
Strontium	88-1	86.28	91.46	87.88	88.54	3.00	ppb
Sulfur	34-1	141039.40	153505.31	149029.08	147857.93	4.27	ppb
Terbium	159-1				105		%
Terbium	159-2				111		%
Thallium	203-1	18.79	18.63	18.63	18.68	0.52	ppb
Thallium	205-1	19.10	19.55	19.14	19.27	1.29	ppb
Tin	118-1	50.60	57.12	54.52	54.08	6.08	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSAB45	Instrumnet Name :	P8
Client Sample ID :	ICSAB45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:22:56	DataFile Name :	017ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1874.62	2018.42	1991.66	1961.57	3.90	ppb
Uranium	238-1	52.98	56.60	53.85	54.48	3.47	ppb
Vanadium	51-2	19.62	19.20	19.55	19.46	1.16	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				112		%
Zinc	66-2	32.22	31.57	30.27	31.35	3.18	ppb
Zirconium	90-1	51.25	55.60	53.29	53.38	4.08	ppb
Zirconium	91-1	50.74	54.45	52.52	52.57	3.53	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV71	Instrumnet Name :	P8
Client Sample ID :	CCV71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:37:38	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50503.03	50009.49	50616.13	50376.22	0.64	ppb
Antimony	121-1	466.76	487.24	483.46	479.16	2.27	ppb
Arsenic	75-2	511.36	497.52	506.05	504.98	1.38	ppb
Barium	135-1	2392.54	2479.64	2476.59	2449.59	2.02	ppb
Barium	137-1	2399.76	2474.13	2493.80	2455.90	2.02	ppb
Beryllium	9-1	467.84	488.92	497.77	484.84	3.17	ppb
Bismuth	209-1				96		%
Bismuth	209-2				104		%
Boron	10-1	469.14	512.59	546.47	509.40	7.61	ppb
Boron	11-1	474.58	538.07	563.10	525.25	8.69	ppb
Bromine	81-1						cps
Cadmium	111-1	499.51	527.42	528.53	518.48	3.17	ppb
Cadmium	106-1	491.23	511.83	511.51	504.86	2.34	ppb
Cadmium	108-1	482.62	502.57	507.10	497.43	2.62	ppb
Calcium	43-1	254091.18	251071.81	259323.45	254828.81	1.64	ppb
Calcium	44-1	252857.93	255394.22	255889.63	254713.93	0.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	512.28	497.74	494.65	501.56	1.88	ppb
Cobalt	59-2	502.75	485.06	487.95	491.92	1.93	ppb
Copper	63-2	4961.50	4943.56	4980.89	4961.98	0.38	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				112		%
Indium	115-1				104		%
Indium	115-2				107		%
Iron	54-2	135276.88	129971.72	129872.76	131707.12	2.35	ppb
Iron	56-2	132687.31	131386.17	129726.07	131266.51	1.13	ppb
Iron	57-2	134422.65	131413.74	130710.38	132182.26	1.49	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV71	Instrumnet Name :	P8
Client Sample ID :	CCV71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:37:38	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2437.75	2486.19	2588.90	2504.28	3.08	ppb
Lead	207-1	2455.03	2528.53	2583.17	2522.24	2.55	ppb
Lead	208-1	2447.44	2480.72	2582.64	2503.60	2.81	ppb
Lithium	6-1				97		%
Magnesium	24-2	262915.57	258700.92	262781.06	261465.85	0.92	ppb
Manganese	55-2	5179.56	5085.63	5019.78	5094.99	1.58	ppb
Molybdenum	94-1	2448.13	2493.48	2462.25	2467.95	0.94	ppb
Molybdenum	95-1	2422.17	2468.60	2511.87	2467.55	1.82	ppb
Molybdenum	96-1	2378.00	2459.12	2499.58	2445.57	2.53	ppb
Molybdenum	97-1	2414.91	2484.28	2466.38	2455.19	1.47	ppb
Molybdenum	98-1	2434.60	2488.07	2454.48	2459.05	1.10	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	489.64	477.05	480.70	482.46	1.34	ppb
Phosphorus	31-2	10186.69	9977.98	9962.54	10042.40	1.25	ppb
Potassium	39-2	130667.53	126205.60	129211.24	128694.79	1.77	ppb
Rhodium	103-1				100		%
Rhodium	103-2				104		%
Scandium	45-1				111		%
Scandium	45-2				109		%
Selenium	82-1	470.84	488.15	486.75	481.92	1.99	ppb
Selenium	77-2	506.01	500.65	483.47	496.71	2.37	ppb
Selenium	78-2	498.78	489.36	510.89	499.67	2.16	ppb
Silicon	28-1	453.21	484.91	497.19	478.44	4.74	ppb
Silver	107-1	488.63	502.80	513.52	501.65	2.49	ppb
Silver	109-1	493.82	511.47	510.66	505.32	1.97	ppb
Sodium	23-2	257647.77	247869.70	251295.51	252270.99	1.97	ppb
Strontium	86-1	4848.80	4984.30	5028.60	4953.90	1.89	ppb
Strontium	88-1	4830.86	5045.54	5067.04	4981.15	2.62	ppb
Sulfur	34-1	9507.54	9561.30	7802.56	8957.13	11.17	ppb
Terbium	159-1				107		%
Terbium	159-2				112		%
Thallium	203-1	492.50	510.71	505.13	502.78	1.86	ppb
Thallium	205-1	490.27	495.38	517.12	500.92	2.85	ppb
Tin	118-1	467.99	511.48	483.52	487.66	4.52	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV71	Instrumnet Name :	P8
Client Sample ID :	CCV71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:37:38	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2415.10	2448.03	2446.65	2436.59	0.76	ppb
Uranium	238-1	498.46	501.63	517.25	505.78	1.99	ppb
Vanadium	51-2	527.96	503.74	515.01	515.57	2.35	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				112		%
Zinc	66-2	5032.74	4925.17	4873.00	4943.64	1.65	ppb
Zirconium	90-1	480.22	504.18	499.66	494.69	2.57	ppb
Zirconium	91-1	495.62	512.03	510.90	506.18	1.81	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCB71 Instrumnet Name : P8
 Client Sample ID : CCB71 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:44:18 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.33	0.02	0.25	0.20	81.75	ppb
Antimony	121-1	0.08	0.07	0.08	0.08	6.41	ppb
Arsenic	75-2	-0.05	-0.07	-0.06	-0.06		ppb
Barium	135-1	0.13	0.02	0.01	0.05	123.74	ppb
Barium	137-1	0.11	0.04	0.02	0.06	84.91	ppb
Beryllium	9-1	0.03	0.00	0.00	0.01	190.71	ppb
Bismuth	209-1				105		%
Bismuth	209-2				111		%
Boron	10-1	18.42	17.73	17.22	17.79	3.38	ppb
Boron	11-1	20.03	19.35	19.28	19.55	2.12	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.18	-0.14	-0.08	-0.13		ppb
Cadmium	106-1	-3.14	-2.44	-1.78	-2.45		ppb
Cadmium	108-1	-0.34	-0.66	-0.64	-0.55		ppb
Calcium	43-1	16.49	-3.44	-2.59	3.49	323.15	ppb
Calcium	44-1	37.30	14.90	15.79	22.66	55.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.01	0.00	0.00	2068.36	ppb
Cobalt	59-2	-0.01	0.00	-0.01	-0.01		ppb
Copper	63-2	0.07	0.02	0.04	0.04	51.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				111		%
Iron	54-2	0.11	-0.09	0.86	0.29	169.99	ppb
Iron	56-2	1.05	0.87	0.90	0.94	10.33	ppb
Iron	57-2	0.39	-0.53	1.33	0.40	232.32	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB71	Instrumnet Name :	P8
Client Sample ID :	CCB71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:44:18	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.15	0.06	0.05	0.09	60.11	ppb
Lead	207-1	0.14	0.06	0.02	0.07	76.94	ppb
Lead	208-1	0.15	0.07	0.05	0.09	58.83	ppb
Lithium	6-1				95		%
Magnesium	24-2	2.84	2.00	1.71	2.18	26.86	ppb
Manganese	55-2	-0.02	0.01	0.01	0.00	1274.30	ppb
Molybdenum	94-1	0.22	0.06	0.05	0.11	84.51	ppb
Molybdenum	95-1	0.22	0.11	0.06	0.13	65.09	ppb
Molybdenum	96-1	0.28	0.06	0.08	0.14	83.46	ppb
Molybdenum	97-1	0.21	0.08	0.03	0.11	85.94	ppb
Molybdenum	98-1	0.22	0.08	0.06	0.12	69.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.00	-0.01	0.00		ppb
Phosphorus	31-2	-12.44	-17.10	-30.75	-20.10		ppb
Potassium	39-2	13.37	10.64	24.17	16.06	44.54	ppb
Rhodium	103-1				106		%
Rhodium	103-2				112		%
Scandium	45-1				107		%
Scandium	45-2				108		%
Selenium	82-1	0.39	0.23	0.21	0.28	35.91	ppb
Selenium	77-2	0.66	-0.40	-0.40	-0.04		ppb
Selenium	78-2	0.05	-0.09	0.85	0.27	186.09	ppb
Silicon	28-1	-6.55	-7.47	-7.15	-7.06		ppb
Silver	107-1	0.04	0.03	0.04	0.03	10.99	ppb
Silver	109-1	0.04	0.03	0.04	0.04	6.71	ppb
Sodium	23-2	37.48	32.86	39.95	36.76	9.80	ppb
Strontium	86-1	0.42	0.15	0.07	0.21	87.24	ppb
Strontium	88-1	0.33	0.07	0.07	0.16	96.89	ppb
Sulfur	34-1	-3065.62	-3135.31	-2933.37	-3044.77		ppb
Terbium	159-1				104		%
Terbium	159-2				109		%
Thallium	203-1	0.06	0.02	0.03	0.04	57.44	ppb
Thallium	205-1	0.04	0.03	0.04	0.03	19.66	ppb
Tin	118-1	0.02	0.01	0.00	0.01	81.77	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB71	Instrumnet Name :	P8
Client Sample ID :	CCB71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:44:18	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.18	0.00	-0.02	0.05	216.84	ppb
Uranium	238-1	0.02	0.00	0.00	0.01	134.88	ppb
Vanadium	51-2	0.00	-0.01	-0.01	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				112		%
Zinc	66-2	-0.67	-0.72	-0.59	-0.66		ppb
Zirconium	90-1	0.03	0.01	0.01	0.02	79.86	ppb
Zirconium	91-1	0.03	0.02	0.01	0.02	58.03	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:47:58 DataFile Name : 022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	25.31	22.55	21.21	23.02	9.08	ppb
Antimony	121-1	2.12	2.01	1.97	2.03	3.74	ppb
Arsenic	75-2	1.08	1.05	1.02	1.05	2.82	ppb
Barium	135-1	10.60	10.08	10.16	10.28	2.75	ppb
Barium	137-1	10.42	10.35	10.65	10.47	1.50	ppb
Beryllium	9-1	1.07	1.07	1.06	1.07	0.58	ppb
Bismuth	209-1				105		%
Bismuth	209-2				105		%
Boron	10-1	31.18	34.11	34.64	33.31	5.59	ppb
Boron	11-1	34.98	36.62	38.09	36.57	4.25	ppb
Bromine	81-1						cps
Cadmium	111-1	0.88	0.91	0.92	0.90	2.61	ppb
Cadmium	106-1	-0.48	-0.57	-0.92	-0.65		ppb
Cadmium	108-1	0.44	0.52	0.45	0.47	8.89	ppb
Calcium	43-1	504.85	512.52	514.80	510.72	1.02	ppb
Calcium	44-1	513.42	523.24	525.52	520.73	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.31	2.15	2.06	2.17	5.94	ppb
Cobalt	59-2	1.18	1.03	1.04	1.08	7.75	ppb
Copper	63-2	2.14	1.83	1.91	1.96	8.14	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				107		%
Indium	115-2				108		%
Iron	54-2	67.51	59.86	59.45	62.27	7.29	ppb
Iron	56-2	61.93	55.63	57.15	58.24	5.65	ppb
Iron	57-2	57.57	60.99	56.14	58.23	4.28	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:47:58	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.92	0.94	0.95	0.94	1.22	ppb
Lead	207-1	0.92	0.94	1.01	0.96	4.81	ppb
Lead	208-1	0.95	0.94	0.98	0.96	1.80	ppb
Lithium	6-1				97		%
Magnesium	24-2	591.75	548.33	543.44	561.17	4.74	ppb
Manganese	55-2	1.21	1.09	1.10	1.13	5.78	ppb
Molybdenum	94-1	4.93	4.84	5.06	4.94	2.16	ppb
Molybdenum	95-1	4.89	4.94	5.14	4.99	2.68	ppb
Molybdenum	96-1	4.91	4.82	4.96	4.90	1.48	ppb
Molybdenum	97-1	4.97	4.95	5.00	4.97	0.46	ppb
Molybdenum	98-1	4.80	4.94	5.03	4.93	2.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.15	1.07	1.09	1.10	3.85	ppb
Phosphorus	31-2	-9.87	-6.83	-0.55	-5.75		ppb
Potassium	39-2	602.60	530.93	532.21	555.24	7.39	ppb
Rhodium	103-1				107		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				105		%
Selenium	82-1	5.32	5.61	5.95	5.63	5.58	ppb
Selenium	77-2	3.68	6.04	5.56	5.09	24.51	ppb
Selenium	78-2	6.04	5.30	6.49	5.94	10.07	ppb
Silicon	28-1	2.42	3.21	4.02	3.22	24.76	ppb
Silver	107-1	1.05	1.07	1.06	1.06	1.00	ppb
Silver	109-1	1.08	1.05	1.08	1.07	1.46	ppb
Sodium	23-2	644.75	579.11	590.14	604.67	5.81	ppb
Strontium	86-1	1.14	1.17	1.20	1.17	2.44	ppb
Strontium	88-1	1.11	1.14	1.16	1.14	2.37	ppb
Sulfur	34-1	-3045.67	-2852.35	-2727.48	-2875.17		ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.95	0.96	0.99	0.97	1.99	ppb
Thallium	205-1	0.92	0.91	0.93	0.92	1.16	ppb
Tin	118-1	5.11	4.96	5.16	5.07	2.06	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:47:58	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	4.94	4.85	4.97	4.92	1.30	ppb
Uranium	238-1	0.89	0.88	0.90	0.89	1.27	ppb
Vanadium	51-2	5.51	5.22	5.08	5.27	4.22	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				107		%
Zinc	66-2	3.02	2.33	2.36	2.57	15.11	ppb
Zirconium	90-1	0.91	0.99	0.96	0.96	4.19	ppb
Zirconium	91-1	0.96	0.89	1.00	0.95	5.89	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139732BL Instrumnet Name : P8
 Client Sample ID : PB139732BL Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:50:59 DataFile Name : 023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.20	0.87	1.42	0.70	118.20	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	36.39	ppb
Arsenic	75-2	-0.06	-0.03	-0.05	-0.04		ppb
Barium	135-1	-0.01	-0.01	-0.03	-0.02		ppb
Barium	137-1	-0.01	-0.01	-0.01	-0.01		ppb
Beryllium	9-1	-0.01	-0.01	-0.01	-0.01		ppb
Bismuth	209-1				103		%
Bismuth	209-2				112		%
Boron	10-1	10.53	11.61	9.96	10.70	7.84	ppb
Boron	11-1	12.05	12.42	10.87	11.78	6.88	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.07	-0.07	-0.11	-0.08		ppb
Cadmium	106-1	-1.44	-1.30	-1.67	-1.47		ppb
Cadmium	108-1	-0.66	-0.59	-0.47	-0.57		ppb
Calcium	43-1	-5.86	-6.21	-6.90	-6.32		ppb
Calcium	44-1	12.50	16.07	8.05	12.20	32.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.00	0.01	0.00		ppb
Cobalt	59-2	-0.01	-0.01	0.02	0.00	438.09	ppb
Copper	63-2	0.03	0.04	0.23	0.10	116.36	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				111		%
Indium	115-1				104		%
Indium	115-2				114		%
Iron	54-2	-0.48	1.54	4.01	1.69	133.19	ppb
Iron	56-2	0.18	1.98	5.78	2.64	108.11	ppb
Iron	57-2	-1.33	0.31	5.49	1.49	238.91	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139732BL	Instrumnet Name :	P8
Client Sample ID :	PB139732BL	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:50:59	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.00	0.01	-0.01	0.00	844.01	ppb
Lead	207-1	0.00	0.01	0.02	0.01	138.23	ppb
Lead	208-1	0.01	0.02	0.00	0.01	104.67	ppb
Lithium	6-1				93		%
Magnesium	24-2	0.40	2.11	8.87	3.79	118.05	ppb
Manganese	55-2	-0.02	0.03	0.14	0.05	168.65	ppb
Molybdenum	94-1	0.02	-0.02	-0.01	0.00		ppb
Molybdenum	95-1	0.01	0.01	0.00	0.01	56.64	ppb
Molybdenum	96-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	97-1	-0.01	0.00	0.00	-0.01		ppb
Molybdenum	98-1	0.00	0.00	0.01	0.00	68.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	0.03	0.08	0.04	117.67	ppb
Phosphorus	31-2	-25.74	-24.91	4.34	-15.44		ppb
Potassium	39-2	3.00	5.23	5.27	4.50	28.92	ppb
Rhodium	103-1				105		%
Rhodium	103-2				113		%
Scandium	45-1				106		%
Scandium	45-2				112		%
Selenium	82-1	-0.30	0.24	-0.14	-0.07		ppb
Selenium	77-2	-0.40	0.12	-0.40	-0.23		ppb
Selenium	78-2	-0.31	-0.52	0.49	-0.11		ppb
Silicon	28-1	-6.57	-2.64	-7.59	-5.60		ppb
Silver	107-1	0.03	0.03	0.01	0.03	41.01	ppb
Silver	109-1	0.03	0.02	0.02	0.02	9.18	ppb
Sodium	23-2	38.83	38.44	38.68	38.65	0.51	ppb
Strontium	86-1	0.03	0.01	-0.02	0.01	332.34	ppb
Strontium	88-1	0.01	0.01	0.00	0.00	147.52	ppb
Sulfur	34-1	-2253.07	-1585.62	-2643.07	-2160.59		ppb
Terbium	159-1				101		%
Terbium	159-2				110		%
Thallium	203-1	0.01	0.01	0.00	0.01	20.21	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	122.23	ppb
Tin	118-1	0.01	0.02	-0.01	0.00	366.68	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139732BL	Instrumnet Name :	P8
Client Sample ID :	PB139732BL	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:50:59	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.01	-0.02	-0.02	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.01	0.01	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				115		%
Zinc	66-2	-0.63	-0.41	-0.33	-0.46		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00		ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	95.48	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139732BS Instrumnet Name : P8
 Client Sample ID : PB139732BS Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:54:01 DataFile Name : 024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10000.26	10300.71	10524.27	10275.08	2.56	ppb
Antimony	121-1	526.18	516.28	502.72	515.06	2.29	ppb
Arsenic	75-2	499.12	513.40	518.76	510.43	1.99	ppb
Barium	135-1	2628.72	2573.05	2592.76	2598.18	1.09	ppb
Barium	137-1	2645.51	2548.90	2562.48	2585.63	2.02	ppb
Beryllium	9-1	500.41	484.13	482.71	489.09	2.01	ppb
Bismuth	209-1				104		%
Bismuth	209-2				110		%
Boron	10-1	431.84	432.29	466.27	443.47	4.45	ppb
Boron	11-1	452.17	459.57	475.33	462.36	2.56	ppb
Bromine	81-1						cps
Cadmium	111-1	540.12	530.17	528.13	532.81	1.20	ppb
Cadmium	106-1	541.22	511.49	519.51	524.07	2.93	ppb
Cadmium	108-1	528.79	512.10	514.29	518.40	1.75	ppb
Calcium	43-1	59416.02	57888.10	56864.04	58056.05	2.21	ppb
Calcium	44-1	57087.45	54280.26	55436.17	55601.29	2.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	511.37	525.16	522.88	519.80	1.42	ppb
Cobalt	59-2	506.25	527.02	530.33	521.20	2.51	ppb
Copper	63-2	4957.11	5007.29	5282.87	5082.43	3.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				114		%
Indium	115-1				107		%
Indium	115-2				112		%
Iron	54-2	27980.72	28661.47	28884.30	28508.83	1.65	ppb
Iron	56-2	27021.16	28105.32	28384.65	27837.04	2.59	ppb
Iron	57-2	27679.13	28591.13	29399.67	28556.64	3.01	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139732BS Instrumnet Name : P8
 Client Sample ID : PB139732BS Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:54:01 DataFile Name : 024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2483.42	2352.08	2418.11	2417.87	2.72	ppb
Lead	207-1	2467.18	2308.22	2436.44	2403.95	3.51	ppb
Lead	208-1	2502.00	2335.77	2436.49	2424.75	3.45	ppb
Lithium	6-1				102		%
Magnesium	24-2	52597.10	53594.90	54027.74	53406.58	1.37	ppb
Manganese	55-2	5046.80	5220.79	5305.59	5191.06	2.54	ppb
Molybdenum	94-1	2499.90	2466.45	2490.14	2485.49	0.69	ppb
Molybdenum	95-1	2514.29	2469.06	2539.33	2507.56	1.42	ppb
Molybdenum	96-1	2501.34	2475.73	2477.25	2484.77	0.58	ppb
Molybdenum	97-1	2491.21	2402.36	2440.64	2444.73	1.82	ppb
Molybdenum	98-1	2445.02	2403.28	2500.68	2449.66	1.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	479.79	492.29	507.11	493.06	2.77	ppb
Phosphorus	31-2	9998.97	10544.08	10894.31	10479.12	4.31	ppb
Potassium	39-2	26386.11	27105.01	27143.93	26878.35	1.59	ppb
Rhodium	103-1				105		%
Rhodium	103-2				111		%
Scandium	45-1				114		%
Scandium	45-2				113		%
Selenium	82-1	497.69	488.36	495.29	493.78	0.98	ppb
Selenium	77-2	537.03	555.06	499.88	530.66	5.30	ppb
Selenium	78-2	493.46	518.39	517.53	509.80	2.78	ppb
Silicon	28-1	490.41	471.15	492.83	484.80	2.45	ppb
Silver	107-1	541.37	525.81	520.57	529.25	2.04	ppb
Silver	109-1	552.24	522.90	522.66	532.60	3.19	ppb
Sodium	23-2	51705.39	53154.21	53596.97	52818.86	1.87	ppb
Strontium	86-1	5075.39	4943.75	5102.35	5040.49	1.68	ppb
Strontium	88-1	5127.94	5004.84	5119.52	5084.10	1.35	ppb
Sulfur	34-1	8302.10	6987.26	6907.66	7399.01	10.58	ppb
Terbium	159-1				106		%
Terbium	159-2				114		%
Thallium	203-1	490.82	462.66	490.35	481.28	3.35	ppb
Thallium	205-1	485.48	459.87	488.16	477.84	3.27	ppb
Tin	118-1	534.51	526.71	508.30	523.17	2.57	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139732BS	Instrumnet Name :	P8
Client Sample ID :	PB139732BS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:54:01	DataFile Name :	024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2502.30	2403.22	2405.22	2436.91	2.32	ppb
Uranium	238-1	482.25	481.00	470.00	477.75	1.41	ppb
Vanadium	51-2	503.35	516.71	533.78	517.95	2.94	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				116		%
Zinc	66-2	5059.38	5147.18	5279.60	5162.05	2.15	ppb
Zirconium	90-1	501.13	491.12	494.92	495.72	1.02	ppb
Zirconium	91-1	515.66	499.71	509.78	508.38	1.59	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139679BL Instrumnet Name : P8
 Client Sample ID : PB139679BL Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:59:57 DataFile Name : 025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.28	0.45	0.22	0.13	282.33	ppb
Antimony	121-1	0.05	0.05	0.06	0.05	16.94	ppb
Arsenic	75-2	-0.05	-0.02	-0.05	-0.04		ppb
Barium	135-1	0.00	0.02	0.00	0.00	319.02	ppb
Barium	137-1	0.03	0.01	0.02	0.02	33.93	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				102		%
Bismuth	209-2				109		%
Boron	10-1	18.25	17.10	15.98	17.11	6.64	ppb
Boron	11-1	19.10	19.10	17.67	18.62	4.44	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.09	-0.17	-0.09	-0.12		ppb
Cadmium	106-1	-1.83	-2.70	-1.52	-2.01		ppb
Cadmium	108-1	-0.67	-0.48	-0.53	-0.56		ppb
Calcium	43-1	-6.41	-6.49	-6.53	-6.48		ppb
Calcium	44-1	9.70	10.33	9.90	9.98	3.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	0.05	-0.02	0.00		ppb
Cobalt	59-2	0.00	0.01	0.00	0.00	517.69	ppb
Copper	63-2	0.04	0.07	0.00	0.04	87.56	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				104		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				110		%
Iron	54-2	-0.48	2.74	-0.27	0.67	270.73	ppb
Iron	56-2	-0.10	1.25	0.01	0.38	195.27	ppb
Iron	57-2	-0.41	0.31	-1.00	-0.37		ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139679BL	Instrumnet Name :	P8
Client Sample ID :	PB139679BL	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:59:57	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.04	0.04	0.05	0.04	18.36	ppb
Lead	207-1	0.03	0.05	0.01	0.03	69.93	ppb
Lead	208-1	0.04	0.04	0.04	0.04	5.54	ppb
Lithium	6-1				95		%
Magnesium	24-2	0.64	2.85	-0.41	1.03	161.47	ppb
Manganese	55-2	0.00	0.06	-0.01	0.01	251.16	ppb
Molybdenum	94-1	0.08	0.05	0.06	0.06	22.42	ppb
Molybdenum	95-1	0.10	0.07	0.06	0.08	24.21	ppb
Molybdenum	96-1	0.08	0.06	0.06	0.07	21.30	ppb
Molybdenum	97-1	0.08	0.08	0.06	0.07	21.92	ppb
Molybdenum	98-1	0.06	0.05	0.05	0.05	16.86	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.00	0.01	0.01	161.90	ppb
Phosphorus	31-2	-30.66	-17.46	-24.64	-24.25		ppb
Potassium	39-2	1.50	20.17	-0.90	6.92	166.65	ppb
Rhodium	103-1				107		%
Rhodium	103-2				108		%
Scandium	45-1				108		%
Scandium	45-2				107		%
Selenium	82-1	-0.31	0.12	0.11	-0.03		ppb
Selenium	77-2	-0.40	0.17	-0.40	-0.21		ppb
Selenium	78-2	0.22	0.14	0.17	0.18	23.75	ppb
Silicon	28-1	-5.29	-6.25	-5.48	-5.67		ppb
Silver	107-1	0.04	0.02	0.03	0.03	26.80	ppb
Silver	109-1	0.04	0.03	0.03	0.03	7.40	ppb
Sodium	23-2	32.80	40.60	27.73	33.71	19.24	ppb
Strontium	86-1	0.09	0.04	0.05	0.06	41.70	ppb
Strontium	88-1	0.06	0.05	0.04	0.05	22.04	ppb
Sulfur	34-1	-2864.03	-2811.82	-2722.09	-2799.31		ppb
Terbium	159-1				102		%
Terbium	159-2				108		%
Thallium	203-1	0.01	0.01	0.02	0.01	49.96	ppb
Thallium	205-1	0.01	0.01	0.02	0.02	11.84	ppb
Tin	118-1	0.01	0.02	0.00	0.01	63.73	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139679BL	Instrumnet Name :	P8
Client Sample ID :	PB139679BL	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:59:57	DataFile Name :	025LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.02	0.02	0.05	0.03	63.25	ppb
Uranium	238-1	0.01	0.00	0.00	0.00	93.13	ppb
Vanadium	51-2	0.00	-0.01	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				111		%
Zinc	66-2	-0.77	-0.49	-0.79	-0.68		ppb
Zirconium	90-1	0.00	0.01	0.00	0.00	132.77	ppb
Zirconium	91-1	0.01	0.00	0.03	0.01	101.77	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139679BS Instrumnet Name : P8
 Client Sample ID : PB139679BS Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:02:58 DataFile Name : 026LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10038.00	10088.51	10140.61	10089.04	0.51	ppb
Antimony	121-1	516.88	500.54	470.34	495.92	4.76	ppb
Arsenic	75-2	507.67	498.70	510.45	505.61	1.21	ppb
Barium	135-1	2524.46	2457.93	2306.59	2429.66	4.60	ppb
Barium	137-1	2529.63	2443.40	2347.70	2440.24	3.73	ppb
Beryllium	9-1	505.02	502.50	487.71	498.41	1.88	ppb
Bismuth	209-1				106		%
Bismuth	209-2				107		%
Boron	10-1	443.64	482.19	467.28	464.37	4.19	ppb
Boron	11-1	453.65	497.30	476.55	475.83	4.59	ppb
Bromine	81-1						cps
Cadmium	111-1	548.75	507.46	510.72	522.31	4.40	ppb
Cadmium	106-1	530.07	508.10	481.25	506.48	4.83	ppb
Cadmium	108-1	519.76	492.65	483.21	498.54	3.81	ppb
Calcium	43-1	59856.47	59230.82	54896.38	57994.56	4.66	ppb
Calcium	44-1	56309.24	56754.17	53487.78	55517.06	3.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	510.58	508.22	509.46	509.42	0.23	ppb
Cobalt	59-2	523.23	511.93	508.19	514.45	1.52	ppb
Copper	63-2	5066.21	5028.50	5099.02	5064.58	0.70	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				112		%
Indium	115-1				112		%
Indium	115-2				112		%
Iron	54-2	28131.85	27572.20	28495.94	28066.67	1.66	ppb
Iron	56-2	27227.13	27387.69	27279.42	27298.08	0.30	ppb
Iron	57-2	27962.52	28498.45	27830.51	28097.16	1.26	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139679BS	Instrumnet Name :	P8
Client Sample ID :	PB139679BS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:02:58	DataFile Name :	026LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2503.97	2347.44	2306.84	2386.08	4.36	ppb
Lead	207-1	2482.29	2358.43	2332.54	2391.09	3.35	ppb
Lead	208-1	2488.54	2382.06	2334.46	2401.69	3.28	ppb
Lithium	6-1				102		%
Magnesium	24-2	52602.32	52540.55	54037.48	53060.12	1.60	ppb
Manganese	55-2	5102.63	5049.58	5122.60	5091.60	0.74	ppb
Molybdenum	94-1	2542.86	2373.32	2306.30	2407.49	5.06	ppb
Molybdenum	95-1	2522.85	2373.16	2314.57	2403.53	4.47	ppb
Molybdenum	96-1	2528.11	2395.18	2295.66	2406.31	4.85	ppb
Molybdenum	97-1	2531.92	2375.15	2284.49	2397.19	5.22	ppb
Molybdenum	98-1	2520.98	2337.50	2288.86	2382.45	5.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	484.50	491.70	489.96	488.72	0.77	ppb
Phosphorus	31-2	10263.14	10026.17	10412.56	10233.96	1.90	ppb
Potassium	39-2	26087.76	26341.71	26307.68	26245.72	0.53	ppb
Rhodium	103-1				109		%
Rhodium	103-2				110		%
Scandium	45-1				114		%
Scandium	45-2				112		%
Selenium	82-1	518.40	487.87	470.92	492.40	4.89	ppb
Selenium	77-2	547.46	513.29	487.00	515.92	5.88	ppb
Selenium	78-2	515.83	505.37	514.21	511.80	1.10	ppb
Silicon	28-1	479.40	496.54	502.30	492.75	2.42	ppb
Silver	107-1	546.40	513.17	495.86	518.48	4.95	ppb
Silver	109-1	538.98	497.36	505.22	513.85	4.30	ppb
Sodium	23-2	50486.37	51540.68	52675.17	51567.41	2.12	ppb
Strontium	86-1	5223.66	4841.53	4663.81	4909.67	5.83	ppb
Strontium	88-1	5222.40	4878.25	4614.40	4905.02	6.22	ppb
Sulfur	34-1	7883.17	10203.04	6844.82	8310.34	20.69	ppb
Terbium	159-1				112		%
Terbium	159-2				113		%
Thallium	203-1	485.45	475.20	464.55	475.07	2.20	ppb
Thallium	205-1	492.33	472.76	456.78	473.96	3.76	ppb
Tin	118-1	522.01	505.25	472.61	499.95	5.02	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139679BS	Instrumnet Name :	P8
Client Sample ID :	PB139679BS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:02:58	DataFile Name :	026LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2475.56	2464.27	2363.34	2434.39	2.54	ppb
Uranium	238-1	494.99	463.65	457.04	471.89	4.30	ppb
Vanadium	51-2	507.04	512.34	513.39	510.92	0.67	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				116		%
Zinc	66-2	5108.13	5218.19	5148.53	5158.28	1.08	ppb
Zirconium	90-1	508.41	495.54	469.71	491.22	4.01	ppb
Zirconium	91-1	513.84	488.34	476.35	492.84	3.89	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : M4130-01 Instrumnet Name : P8
 Client Sample ID : P287-DITCH Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:05:55 DataFile Name : 027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	127.25	129.38	128.49	128.37	0.83	ppb
Antimony	121-1	0.32	0.33	0.35	0.33	4.44	ppb
Arsenic	75-2	5.14	5.21	5.32	5.22	1.71	ppb
Barium	135-1	141.39	139.30	136.51	139.07	1.76	ppb
Barium	137-1	141.83	138.48	139.06	139.79	1.28	ppb
Beryllium	9-1	0.06	0.04	0.05	0.05	24.83	ppb
Bismuth	209-1				107		%
Bismuth	209-2				113		%
Boron	10-1	132.85	131.41	138.14	134.14	2.64	ppb
Boron	11-1	152.88	146.31	156.96	152.05	3.53	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.05	-0.03	-0.13	-0.07		ppb
Cadmium	106-1	-1.61	-1.33	-2.51	-1.82		ppb
Cadmium	108-1	-0.46	-0.58	-0.41	-0.49		ppb
Calcium	43-1	26479.64	26123.56	27161.63	26588.28	1.98	ppb
Calcium	44-1	26102.02	25365.29	26527.65	25998.32	2.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.25	1.29	1.32	1.28	2.80	ppb
Cobalt	59-2	4.92	4.77	4.83	4.84	1.61	ppb
Copper	63-2	4.07	4.01	3.97	4.02	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				111		%
Holmium	165-2				115		%
Indium	115-1				113		%
Indium	115-2				116		%
Iron	54-2	28192.09	28390.97	28484.30	28355.79	0.53	ppb
Iron	56-2	28052.21	27671.52	27950.21	27891.31	0.71	ppb
Iron	57-2	29204.46	28466.18	28732.42	28801.02	1.30	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-01	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:05:55	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.84	0.78	0.83	0.81	4.00	ppb
Lead	207-1	0.80	0.79	0.76	0.79	2.70	ppb
Lead	208-1	0.80	0.80	0.79	0.80	0.91	ppb
Lithium	6-1				99		%
Magnesium	24-2	10621.96	10362.90	10190.29	10391.72	2.09	ppb
Manganese	55-2	2576.50	2601.08	2552.35	2576.64	0.95	ppb
Molybdenum	94-1	0.74	0.70	0.64	0.70	7.29	ppb
Molybdenum	95-1	0.70	0.64	0.65	0.66	5.05	ppb
Molybdenum	96-1	0.97	0.87	0.86	0.90	6.83	ppb
Molybdenum	97-1	0.71	0.57	0.60	0.63	11.67	ppb
Molybdenum	98-1	0.68	0.58	0.58	0.61	9.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.80	7.62	7.73	7.71	1.20	ppb
Phosphorus	31-2	233.56	196.03	231.00	220.20	9.52	ppb
Potassium	39-2	3974.67	3850.75	3942.19	3922.54	1.64	ppb
Rhodium	103-1				109		%
Rhodium	103-2				116		%
Scandium	45-1				113		%
Scandium	45-2				115		%
Selenium	82-1	0.45	1.17	0.80	0.81	44.50	ppb
Selenium	77-2	0.60	3.08	1.09	1.59	82.59	ppb
Selenium	78-2	1.60	0.46	0.40	0.82	82.50	ppb
Silicon	28-1	4879.43	5000.02	5122.45	5000.63	2.43	ppb
Silver	107-1	0.18	0.18	0.15	0.17	9.35	ppb
Silver	109-1	0.20	0.17	0.15	0.17	14.79	ppb
Sodium	23-2	29770.66	28873.02	29030.66	29224.78	1.64	ppb
Strontium	86-1	119.53	118.59	118.14	118.75	0.59	ppb
Strontium	88-1	121.08	120.07	122.35	121.17	0.94	ppb
Sulfur	34-1	60252.86	59579.28	63287.84	61039.99	3.24	ppb
Terbium	159-1				108		%
Terbium	159-2				116		%
Thallium	203-1	0.04	0.04	0.03	0.04	12.55	ppb
Thallium	205-1	0.06	0.06	0.05	0.05	10.99	ppb
Tin	118-1	0.10	0.12	0.10	0.11	8.19	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-01	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:05:55	DataFile Name :	027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2.60	2.97	2.95	2.84	7.37	ppb
Uranium	238-1	0.06	0.06	0.05	0.06	6.22	ppb
Vanadium	51-2	1.28	1.23	1.25	1.25	1.83	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				119		%
Zinc	66-2	24.34	23.40	23.33	23.69	2.39	ppb
Zirconium	90-1	0.17	0.16	0.18	0.17	6.49	ppb
Zirconium	91-1	0.18	0.18	0.18	0.18	0.42	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:08:49	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	122.21	113.51	117.71	117.81	3.69	ppb
Antimony	121-1	0.43	0.41	0.51	0.45	12.16	ppb
Arsenic	75-2	0.88	0.77	0.82	0.82	6.32	ppb
Barium	135-1	53.26	50.76	53.43	52.48	2.85	ppb
Barium	137-1	55.23	52.63	54.28	54.05	2.43	ppb
Beryllium	9-1	0.01	0.00	0.17	0.06	161.58	ppb
Bismuth	209-1				106		%
Bismuth	209-2				110		%
Boron	10-1	95.02	95.66	96.42	95.70	0.73	ppb
Boron	11-1	105.13	105.70	110.35	107.06	2.68	ppb
Bromine	81-1						cps
Cadmium	111-1	0.02	-0.13	0.27	0.05	383.80	ppb
Cadmium	106-1	-0.34	-2.14	1.61	-0.29		ppb
Cadmium	108-1	-0.65	-0.29	0.38	-0.19		ppb
Calcium	43-1	29769.83	27070.15	27803.12	28214.37	4.95	ppb
Calcium	44-1	29002.47	26926.19	27076.31	27668.33	4.18	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.52	0.58	0.52	0.54	6.66	ppb
Cobalt	59-2	0.23	0.21	0.22	0.22	5.56	ppb
Copper	63-2	2.84	2.63	2.72	2.73	3.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				113		%
Indium	115-1				108		%
Indium	115-2				116		%
Iron	54-2	382.81	375.16	375.18	377.72	1.17	ppb
Iron	56-2	381.12	365.05	368.43	371.53	2.28	ppb
Iron	57-2	381.69	371.64	372.87	375.40	1.46	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:08:49	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.32	0.32	0.89	0.51	64.73	ppb
Lead	207-1	0.34	0.28	0.91	0.51	68.42	ppb
Lead	208-1	0.33	0.29	0.88	0.50	65.86	ppb
Lithium	6-1				101		%
Magnesium	24-2	10774.85	10370.05	10671.93	10605.61	1.98	ppb
Manganese	55-2	121.50	118.82	118.94	119.75	1.27	ppb
Molybdenum	94-1	1.12	0.99	1.75	1.29	31.73	ppb
Molybdenum	95-1	1.39	1.40	1.93	1.57	19.83	ppb
Molybdenum	96-1	1.37	1.30	1.88	1.51	20.96	ppb
Molybdenum	97-1	1.45	1.37	1.84	1.55	16.39	ppb
Molybdenum	98-1	1.42	1.42	1.96	1.60	19.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.24	1.33	1.21	1.26	5.07	ppb
Phosphorus	31-2	720.98	755.88	721.18	732.68	2.74	ppb
Potassium	39-2	4007.63	3859.60	3923.63	3930.28	1.89	ppb
Rhodium	103-1				108		%
Rhodium	103-2				113		%
Scandium	45-1				115		%
Scandium	45-2				113		%
Selenium	82-1	0.55	0.36	0.84	0.59	41.48	ppb
Selenium	77-2	0.11	1.11	0.10	0.44	131.01	ppb
Selenium	78-2	0.47	-0.67	-0.04	-0.08		ppb
Silicon	28-1	4153.72	3825.39	3761.71	3913.61	5.38	ppb
Silver	107-1	0.05	0.04	0.04	0.04	10.63	ppb
Silver	109-1	0.04	0.04	0.04	0.04	7.37	ppb
Sodium	23-2	37450.08	35903.87	35443.24	36265.73	2.90	ppb
Strontium	86-1	167.39	160.14	153.68	160.40	4.28	ppb
Strontium	88-1	166.62	161.99	156.02	161.54	3.29	ppb
Sulfur	34-1	14721.76	12746.78	12374.82	13281.12	9.50	ppb
Terbium	159-1				106		%
Terbium	159-2				114		%
Thallium	203-1	0.00	0.01	0.12	0.05	148.08	ppb
Thallium	205-1	0.00	0.00	0.12	0.04	179.05	ppb
Tin	118-1	0.10	0.08	0.23	0.14	57.85	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:08:49	DataFile Name :	028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2.86	2.67	3.90	3.14	21.11	ppb
Uranium	238-1	0.14	0.12	0.23	0.16	36.81	ppb
Vanadium	51-2	0.97	0.92	0.92	0.94	3.20	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				117		%
Zinc	66-2	30.84	30.21	30.63	30.56	1.04	ppb
Zirconium	90-1	0.08	0.06	0.18	0.11	60.60	ppb
Zirconium	91-1	0.06	0.09	0.16	0.10	48.52	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-05	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:11:46	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	107.05	111.53	106.45	108.34	2.56	ppb
Antimony	121-1	0.11	0.11	0.13	0.12	8.00	ppb
Arsenic	75-2	0.56	0.59	0.46	0.54	13.24	ppb
Barium	135-1	42.42	42.81	44.12	43.12	2.07	ppb
Barium	137-1	44.10	45.27	44.44	44.60	1.35	ppb
Beryllium	9-1	0.00	0.01	0.00	0.00	166.58	ppb
Bismuth	209-1				104		%
Bismuth	209-2				112		%
Boron	10-1	55.53	57.80	58.83	57.39	2.93	ppb
Boron	11-1	64.07	62.86	66.89	64.61	3.20	ppb
Bromine	81-1						cps
Cadmium	111-1	0.05	0.00	-0.09	-0.01		ppb
Cadmium	106-1	0.12	-0.65	-1.54	-0.69		ppb
Cadmium	108-1	-0.56	-0.50	-0.56	-0.54		ppb
Calcium	43-1	23883.00	23354.08	24237.64	23824.91	1.87	ppb
Calcium	44-1	23396.93	23544.84	23789.85	23577.21	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.38	0.31	0.34	0.34	9.91	ppb
Cobalt	59-2	0.13	0.12	0.13	0.12	3.80	ppb
Copper	63-2	1.44	1.52	1.48	1.48	2.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				115		%
Indium	115-1				110		%
Indium	115-2				118		%
Iron	54-2	242.91	236.83	243.66	241.13	1.55	ppb
Iron	56-2	229.76	237.55	237.46	234.92	1.90	ppb
Iron	57-2	242.83	248.43	240.35	243.87	1.70	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-05	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:11:46	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.22	0.27	0.21	0.24	14.35	ppb
Lead	207-1	0.22	0.26	0.20	0.23	13.05	ppb
Lead	208-1	0.21	0.27	0.22	0.24	13.76	ppb
Lithium	6-1				98		%
Magnesium	24-2	9295.81	9256.62	9333.15	9295.19	0.41	ppb
Manganese	55-2	31.61	31.02	31.47	31.36	0.98	ppb
Molybdenum	94-1	0.54	0.61	0.60	0.58	6.77	ppb
Molybdenum	95-1	0.69	0.74	0.65	0.69	6.40	ppb
Molybdenum	96-1	0.65	0.70	0.66	0.67	4.19	ppb
Molybdenum	97-1	0.62	0.74	0.78	0.72	11.41	ppb
Molybdenum	98-1	0.66	0.72	0.68	0.69	4.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.65	0.71	0.69	0.68	4.17	ppb
Phosphorus	31-2	59.31	60.44	69.61	63.12	8.94	ppb
Potassium	39-2	2473.14	2465.64	2527.38	2488.72	1.35	ppb
Rhodium	103-1				109		%
Rhodium	103-2				115		%
Scandium	45-1				113		%
Scandium	45-2				116		%
Selenium	82-1	0.63	0.20	0.07	0.30	96.33	ppb
Selenium	77-2	0.10	0.60	-0.40	0.10	488.31	ppb
Selenium	78-2	0.44	-0.47	0.07	0.01	3204.25	ppb
Silicon	28-1	3712.70	3825.02	3911.62	3816.45	2.61	ppb
Silver	107-1	0.01	0.01	0.02	0.02	29.68	ppb
Silver	109-1	0.02	0.02	0.02	0.02	14.93	ppb
Sodium	23-2	24154.86	24734.74	24521.38	24470.33	1.20	ppb
Strontium	86-1	128.14	129.84	133.23	130.40	1.99	ppb
Strontium	88-1	130.15	130.17	135.24	131.85	2.22	ppb
Sulfur	34-1	6453.71	6440.32	6866.39	6586.81	3.68	ppb
Terbium	159-1				107		%
Terbium	159-2				116		%
Thallium	203-1	0.00	0.01	0.01	0.00	69.64	ppb
Thallium	205-1	0.00	0.01	0.00	0.00	259.98	ppb
Tin	118-1	0.02	0.04	0.03	0.03	31.97	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-05	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:11:46	DataFile Name :	029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2.87	2.94	3.10	2.97	3.98	ppb
Uranium	238-1	0.15	0.16	0.15	0.15	4.77	ppb
Vanadium	51-2	0.79	0.80	0.85	0.81	4.04	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				118		%
Zinc	66-2	23.47	23.70	23.55	23.57	0.50	ppb
Zirconium	90-1	0.24	0.05	0.04	0.11	100.29	ppb
Zirconium	91-1	0.05	0.06	0.06	0.06	5.20	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03DUP	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)DUP	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:14:41	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	122.55	119.32	121.76	121.21	1.39	ppb
Antimony	121-1	0.38	0.39	0.42	0.40	5.20	ppb
Arsenic	75-2	0.80	0.83	0.83	0.82	1.80	ppb
Barium	135-1	52.98	51.72	55.75	53.48	3.85	ppb
Barium	137-1	52.64	51.87	55.83	53.45	3.92	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00		ppb
Bismuth	209-1				101		%
Bismuth	209-2				112		%
Boron	10-1	80.87	87.34	94.62	87.61	7.85	ppb
Boron	11-1	93.18	96.66	107.85	99.23	7.72	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.04	-0.09	-0.13	-0.08		ppb
Cadmium	106-1	-0.90	-1.46	-2.12	-1.49		ppb
Cadmium	108-1	-0.60	-0.43	-0.57	-0.53		ppb
Calcium	43-1	28542.72	29345.02	29543.98	29143.91	1.82	ppb
Calcium	44-1	27590.33	28337.61	28786.51	28238.15	2.14	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.55	0.49	0.53	0.53	5.80	ppb
Cobalt	59-2	0.23	0.21	0.22	0.22	4.04	ppb
Copper	63-2	2.55	2.54	2.72	2.60	3.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				114		%
Indium	115-1				106		%
Indium	115-2				115		%
Iron	54-2	369.01	353.43	382.84	368.43	3.99	ppb
Iron	56-2	374.21	366.62	377.19	372.67	1.46	ppb
Iron	57-2	384.54	369.03	376.61	376.73	2.06	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03DUP	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)DUP	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:14:41	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.31	0.31	0.32	0.32	2.38	ppb
Lead	207-1	0.29	0.25	0.28	0.27	8.50	ppb
Lead	208-1	0.29	0.29	0.30	0.30	2.24	ppb
Lithium	6-1				98		%
Magnesium	24-2	11073.77	10613.34	10859.02	10848.71	2.12	ppb
Manganese	55-2	116.85	116.52	117.45	116.94	0.40	ppb
Molybdenum	94-1	0.97	1.03	1.02	1.01	3.30	ppb
Molybdenum	95-1	1.37	1.30	1.41	1.36	4.06	ppb
Molybdenum	96-1	1.27	1.22	1.33	1.28	4.18	ppb
Molybdenum	97-1	1.33	1.29	1.36	1.33	2.76	ppb
Molybdenum	98-1	1.27	1.26	1.32	1.28	2.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.17	1.08	1.17	1.14	4.42	ppb
Phosphorus	31-2	818.49	810.94	685.12	771.52	9.71	ppb
Potassium	39-2	3992.47	3934.06	3931.46	3952.66	0.87	ppb
Rhodium	103-1				105		%
Rhodium	103-2				113		%
Scandium	45-1				109		%
Scandium	45-2				114		%
Selenium	82-1	0.08	0.84	0.43	0.45	83.52	ppb
Selenium	77-2	0.63	0.12	0.11	0.29	103.76	ppb
Selenium	78-2	0.08	0.11	0.43	0.21	92.15	ppb
Silicon	28-1	3943.06	4026.72	4101.94	4023.91	1.98	ppb
Silver	107-1	0.02	0.02	0.03	0.02	22.60	ppb
Silver	109-1	0.02	0.02	0.02	0.02	11.08	ppb
Sodium	23-2	36722.01	35769.68	37029.71	36507.13	1.80	ppb
Strontium	86-1	155.83	154.71	164.94	158.49	3.54	ppb
Strontium	88-1	158.48	159.11	166.90	161.50	2.91	ppb
Sulfur	34-1	14115.49	14264.13	14411.66	14263.76	1.04	ppb
Terbium	159-1				103		%
Terbium	159-2				114		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.10	0.12	0.12	0.11	10.46	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03DUP	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)DUP	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:14:41	DataFile Name :	030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2.64	2.70	3.13	2.82	9.40	ppb
Uranium	238-1	0.12	0.12	0.13	0.12	6.83	ppb
Vanadium	51-2	0.87	0.85	0.92	0.88	3.85	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				115		%
Zinc	66-2	30.28	29.51	30.69	30.16	1.99	ppb
Zirconium	90-1	0.06	0.05	0.06	0.06	9.29	ppb
Zirconium	91-1	0.06	0.07	0.06	0.06	16.90	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03LX5	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)L	Dilution Factor :	5
Date & Time Acquired ::	2021-10-08 13:17:37	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22.69	27.34	26.81	25.61	9.94	ppb
Antimony	121-1	0.08	0.09	0.06	0.08	17.28	ppb
Arsenic	75-2	0.15	0.08	0.11	0.12	30.56	ppb
Barium	135-1	9.75	10.18	9.42	9.78	3.92	ppb
Barium	137-1	10.56	10.51	9.95	10.34	3.30	ppb
Beryllium	9-1	0.00	-0.01	-0.01	-0.01		ppb
Bismuth	209-1				105		%
Bismuth	209-2				112		%
Boron	10-1	28.15	27.35	28.66	28.05	2.35	ppb
Boron	11-1	31.62	30.33	31.12	31.02	2.10	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.17	-0.15	-0.19	-0.17		ppb
Cadmium	106-1	-2.53	-2.35	-2.92	-2.60		ppb
Cadmium	108-1	-0.52	-0.56	-0.56	-0.55		ppb
Calcium	43-1	5416.15	5414.31	5296.90	5375.78	1.27	ppb
Calcium	44-1	5496.39	5440.75	5340.13	5425.76	1.46	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.06	0.13	0.11	0.10	33.29	ppb
Cobalt	59-2	0.04	0.04	0.06	0.05	31.53	ppb
Copper	63-2	0.47	0.52	0.54	0.51	6.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				114		%
Indium	115-1				109		%
Indium	115-2				116		%
Iron	54-2	72.23	86.24	84.26	80.91	9.37	ppb
Iron	56-2	70.88	92.74	83.62	82.41	13.33	ppb
Iron	57-2	73.37	80.39	83.61	79.12	6.62	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03LX5	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)L	Dilution Factor :	5
Date & Time Acquired ::	2021-10-08 13:17:37	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.05	0.13	0.05	0.08	58.13	ppb
Lead	207-1	0.05	0.09	0.07	0.07	30.49	ppb
Lead	208-1	0.06	0.11	0.08	0.08	30.01	ppb
Lithium	6-1				103		%
Magnesium	24-2	1893.17	2195.77	2139.81	2076.25	7.75	ppb
Manganese	55-2	20.77	24.85	24.14	23.25	9.38	ppb
Molybdenum	94-1	0.22	0.18	0.23	0.21	12.20	ppb
Molybdenum	95-1	0.26	0.28	0.25	0.26	6.07	ppb
Molybdenum	96-1	0.25	0.26	0.26	0.26	1.46	ppb
Molybdenum	97-1	0.25	0.29	0.23	0.25	10.85	ppb
Molybdenum	98-1	0.25	0.26	0.25	0.26	2.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.42	0.48	0.52	0.48	10.39	ppb
Phosphorus	31-2	146.13	180.95	174.88	167.32	11.12	ppb
Potassium	39-2	678.92	808.74	797.77	761.81	9.45	ppb
Rhodium	103-1				108		%
Rhodium	103-2				116		%
Scandium	45-1				112		%
Scandium	45-2				114		%
Selenium	82-1	0.55	0.42	0.49	0.49	13.58	ppb
Selenium	77-2	0.08	0.12	0.14	0.11	24.04	ppb
Selenium	78-2	-0.45	0.10	0.24	-0.04		ppb
Silicon	28-1	765.08	757.62	744.96	755.89	1.35	ppb
Silver	107-1	0.01	0.01	0.00	0.01	32.64	ppb
Silver	109-1	0.01	0.01	0.01	0.01	14.28	ppb
Sodium	23-2	6508.18	7660.35	7417.05	7195.19	8.44	ppb
Strontium	86-1	30.33	30.15	30.86	30.45	1.22	ppb
Strontium	88-1	30.30	29.50	30.07	29.95	1.38	ppb
Sulfur	34-1	856.15	1001.12	795.66	884.31	11.94	ppb
Terbium	159-1				107		%
Terbium	159-2				114		%
Thallium	203-1	-0.01	-0.01	0.00	-0.01		ppb
Thallium	205-1	-0.02	-0.01	-0.02	-0.01		ppb
Tin	118-1	0.03	0.03	0.02	0.03	16.13	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03LX5	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)L	Dilution Factor :	5
Date & Time Acquired ::	2021-10-08 13:17:37	DataFile Name :	031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	1.91	0.54	0.59	1.01	76.92	ppb
Uranium	238-1	0.02	0.03	0.02	0.02	15.50	ppb
Vanadium	51-2	0.17	0.21	0.17	0.18	13.43	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				116		%
Zinc	66-2	5.48	6.65	6.47	6.20	10.15	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	15.82	ppb
Zirconium	91-1	0.01	0.02	0.02	0.02	28.13	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV72	Instrumnet Name :	P8
Client Sample ID :	CCV72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:23:14	DataFile Name :	032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49924.82	49785.28	50958.35	50222.82	1.28	ppb
Antimony	121-1	488.62	470.86	507.51	489.00	3.75	ppb
Arsenic	75-2	500.44	512.26	519.10	510.60	1.85	ppb
Barium	135-1	2531.56	2454.47	2593.88	2526.64	2.76	ppb
Barium	137-1	2568.94	2428.94	2614.54	2537.47	3.81	ppb
Beryllium	9-1	469.84	479.18	477.27	475.43	1.04	ppb
Bismuth	209-1				96		%
Bismuth	209-2				105		%
Boron	10-1	451.96	477.00	495.41	474.79	4.59	ppb
Boron	11-1	467.05	480.39	490.42	479.29	2.45	ppb
Bromine	81-1						cps
Cadmium	111-1	536.94	512.10	543.42	530.82	3.11	ppb
Cadmium	106-1	524.04	506.26	538.53	522.94	3.09	ppb
Cadmium	108-1	525.90	504.49	522.23	517.54	2.21	ppb
Calcium	43-1	259325.62	257130.98	261190.07	259215.56	0.78	ppb
Calcium	44-1	254745.36	255586.03	260726.08	257019.16	1.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	496.24	502.02	515.11	504.46	1.92	ppb
Cobalt	59-2	513.08	515.46	524.52	517.69	1.17	ppb
Copper	63-2	5001.36	4989.89	5141.95	5044.40	1.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				112		%
Indium	115-1				105		%
Indium	115-2				109		%
Iron	54-2	133108.48	132000.75	136314.77	133808.00	1.67	ppb
Iron	56-2	131213.64	130294.97	134134.12	131880.91	1.52	ppb
Iron	57-2	130993.71	132366.13	137574.57	133644.80	2.60	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV72	Instrumnet Name :	P8
Client Sample ID :	CCV72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:23:14	DataFile Name :	032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2452.17	2489.57	2480.56	2474.10	0.79	ppb
Lead	207-1	2433.81	2603.47	2491.93	2509.74	3.44	ppb
Lead	208-1	2455.06	2560.55	2501.25	2505.62	2.11	ppb
Lithium	6-1				101		%
Magnesium	24-2	260441.43	258031.40	269436.19	262636.34	2.29	ppb
Manganese	55-2	5111.81	5123.86	5282.09	5172.59	1.84	ppb
Molybdenum	94-1	2433.44	2478.98	2382.17	2431.53	1.99	ppb
Molybdenum	95-1	2436.15	2471.21	2385.68	2431.02	1.77	ppb
Molybdenum	96-1	2421.16	2407.20	2313.71	2380.69	2.45	ppb
Molybdenum	97-1	2429.81	2427.19	2299.32	2385.44	3.13	ppb
Molybdenum	98-1	2429.79	2403.08	2318.30	2383.73	2.44	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	476.73	477.98	492.53	482.41	1.82	ppb
Phosphorus	31-2	9737.45	9863.17	9975.28	9858.63	1.21	ppb
Potassium	39-2	129829.90	128449.94	133783.57	130687.80	2.12	ppb
Rhodium	103-1				100		%
Rhodium	103-2				106		%
Scandium	45-1				112		%
Scandium	45-2				112		%
Selenium	82-1	487.95	489.01	474.77	483.91	1.64	ppb
Selenium	77-2	516.37	523.41	523.32	521.03	0.78	ppb
Selenium	78-2	494.08	518.03	531.12	514.41	3.65	ppb
Silicon	28-1	479.32	484.74	508.22	490.76	3.13	ppb
Silver	107-1	529.70	507.83	540.15	525.89	3.14	ppb
Silver	109-1	519.23	511.33	520.17	516.91	0.94	ppb
Sodium	23-2	253789.52	255569.44	262352.32	257237.09	1.76	ppb
Strontium	86-1	4938.84	5045.95	4956.38	4980.39	1.15	ppb
Strontium	88-1	4989.88	5134.29	4880.79	5001.65	2.54	ppb
Sulfur	34-1	7768.16	7385.77	8277.68	7810.54	5.73	ppb
Terbium	159-1				106		%
Terbium	159-2				112		%
Thallium	203-1	491.12	506.30	489.43	495.62	1.88	ppb
Thallium	205-1	497.04	497.29	488.71	494.35	0.99	ppb
Tin	118-1	503.58	472.36	507.62	494.52	3.90	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV72	Instrumnet Name :	P8
Client Sample ID :	CCV72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:23:14	DataFile Name :	032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2461.18	2425.62	2425.58	2437.46	0.84	ppb
Uranium	238-1	511.99	516.62	505.38	511.33	1.10	ppb
Vanadium	51-2	507.49	509.12	523.25	513.29	1.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				116		%
Zinc	66-2	4934.18	5037.76	5238.21	5070.05	3.05	ppb
Zirconium	90-1	487.62	497.40	484.11	489.71	1.41	ppb
Zirconium	91-1	494.38	519.01	490.21	501.20	3.11	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB72	Instrumnet Name :	P8
Client Sample ID :	CCB72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:31:16	DataFile Name :	033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	-0.20	0.50	0.10	353.34	ppb
Antimony	121-1	0.02	0.03	0.04	0.03	34.84	ppb
Arsenic	75-2	-0.07	-0.05	-0.06	-0.06		ppb
Barium	135-1	0.01	0.01	-0.03	0.00		ppb
Barium	137-1	0.01	0.03	0.01	0.02	48.71	ppb
Beryllium	9-1	-0.01	-0.01	-0.01	-0.01		ppb
Bismuth	209-1				104		%
Bismuth	209-2				111		%
Boron	10-1	13.49	13.85	12.75	13.36	4.21	ppb
Boron	11-1	14.03	15.05	14.35	14.48	3.58	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.18	-0.07	-0.22	-0.15		ppb
Cadmium	106-1	-2.82	-1.31	-3.27	-2.47		ppb
Cadmium	108-1	-0.67	-0.58	-0.64	-0.63		ppb
Calcium	43-1	-6.32	-6.06	-6.59	-6.32		ppb
Calcium	44-1	7.37	9.46	6.95	7.93	16.95	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.03	-0.02	-0.02	-0.01		ppb
Cobalt	59-2	0.00	-0.01	0.00	0.00		ppb
Copper	63-2	0.01	0.00	0.04	0.02	121.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				112		%
Iron	54-2	0.86	0.28	1.71	0.95	75.13	ppb
Iron	56-2	0.46	0.39	1.46	0.77	77.71	ppb
Iron	57-2	-0.51	-0.29	0.98	0.06	1318.44	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB72	Instrumnet Name :	P8
Client Sample ID :	CCB72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:31:16	DataFile Name :	033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.02	0.00	0.02	83.39	ppb
Lead	207-1	0.00	0.01	0.02	0.01	119.95	ppb
Lead	208-1	0.01	0.02	0.01	0.01	58.86	ppb
Lithium	6-1				98		%
Magnesium	24-2	1.17	1.63	3.01	1.94	49.38	ppb
Manganese	55-2	-0.01	-0.01	0.02	0.00	544.54	ppb
Molybdenum	94-1	0.03	0.04	0.03	0.03	26.10	ppb
Molybdenum	95-1	0.03	0.02	0.02	0.03	31.05	ppb
Molybdenum	96-1	0.05	0.02	0.02	0.03	53.02	ppb
Molybdenum	97-1	0.05	0.02	0.03	0.03	43.63	ppb
Molybdenum	98-1	0.04	0.02	0.03	0.03	26.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.01	0.01	0.00	799.37	ppb
Phosphorus	31-2	-11.20	-17.46	-2.11	-10.26		ppb
Potassium	39-2	3.48	-1.51	17.69	6.55	152.08	ppb
Rhodium	103-1				105		%
Rhodium	103-2				109		%
Scandium	45-1				109		%
Scandium	45-2				110		%
Selenium	82-1	0.26	0.38	0.27	0.31	20.85	ppb
Selenium	77-2	-0.40	-0.40	-0.40	-0.40		ppb
Selenium	78-2	-0.22	-0.66	-0.48	-0.45		ppb
Silicon	28-1	-8.33	-6.33	-7.51	-7.39		ppb
Silver	107-1	0.02	0.02	0.02	0.02	5.75	ppb
Silver	109-1	0.03	0.02	0.02	0.03	19.64	ppb
Sodium	23-2	34.53	27.01	45.93	35.82	26.59	ppb
Strontium	86-1	0.03	0.06	0.06	0.05	34.62	ppb
Strontium	88-1	0.03	0.04	0.02	0.03	34.28	ppb
Sulfur	34-1	-2958.78	-2472.10	-2760.79	-2730.56		ppb
Terbium	159-1				104		%
Terbium	159-2				110		%
Thallium	203-1	0.01	0.01	0.00	0.01	127.32	ppb
Thallium	205-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.01	0.03	-0.01	0.01	154.87	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB72	Instrumnet Name :	P8
Client Sample ID :	CCB72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:31:16	DataFile Name :	033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	-0.03	0.00	-0.01	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	-0.01	-0.01	-0.01	-0.01		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				112		%
Zinc	66-2	-0.78	-0.70	-0.76	-0.75		ppb
Zirconium	90-1	0.00	0.01	-0.01	0.00	502.19	ppb
Zirconium	91-1	0.00	0.01	0.00	0.00	199.25	ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : M4130-02 Instrumnet Name : P8
 Client Sample ID : P287-DITCH Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:34:16 DataFile Name : 034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	128.36	126.56	123.74	126.22	1.85	ppb
Antimony	121-1	0.18	0.17	0.19	0.18	4.26	ppb
Arsenic	75-2	5.12	5.45	5.15	5.24	3.46	ppb
Barium	135-1	131.51	139.89	137.88	136.43	3.20	ppb
Barium	137-1	134.50	144.29	140.77	139.85	3.55	ppb
Beryllium	9-1	0.01	0.02	0.02	0.02	26.74	ppb
Bismuth	209-1				109		%
Bismuth	209-2				113		%
Boron	10-1	96.04	104.58	101.67	100.76	4.31	ppb
Boron	11-1	108.48	119.99	118.27	115.58	5.37	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.20	-0.08	-0.13	-0.14		ppb
Cadmium	106-1	-3.06	-1.30	-2.07	-2.14		ppb
Cadmium	108-1	-0.35	-0.46	-0.61	-0.48		ppb
Calcium	43-1	25596.42	25380.31	25735.17	25570.63	0.70	ppb
Calcium	44-1	25250.00	25327.90	25656.43	25411.44	0.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.23	1.30	1.38	1.31	5.77	ppb
Cobalt	59-2	4.53	4.77	4.71	4.67	2.66	ppb
Copper	63-2	3.72	3.87	3.62	3.73	3.38	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				110		%
Holmium	165-2				117		%
Indium	115-1				111		%
Indium	115-2				117		%
Iron	54-2	27514.97	28351.06	27464.52	27776.85	1.79	ppb
Iron	56-2	26765.11	28012.89	27311.61	27363.20	2.29	ppb
Iron	57-2	28077.41	28702.16	27940.29	28239.95	1.44	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-02	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:34:16	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.65	0.62	0.69	0.65	5.18	ppb
Lead	207-1	0.65	0.67	0.65	0.66	1.88	ppb
Lead	208-1	0.66	0.66	0.68	0.66	1.66	ppb
Lithium	6-1				103		%
Magnesium	24-2	9822.62	10339.40	10283.76	10148.60	2.80	ppb
Manganese	55-2	2471.80	2604.64	2529.15	2535.20	2.63	ppb
Molybdenum	94-1	0.46	0.47	0.53	0.48	7.66	ppb
Molybdenum	95-1	0.39	0.41	0.34	0.38	9.58	ppb
Molybdenum	96-1	0.65	0.64	0.75	0.68	8.42	ppb
Molybdenum	97-1	0.34	0.33	0.33	0.33	0.80	ppb
Molybdenum	98-1	0.34	0.33	0.32	0.33	1.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.05	7.54	7.30	7.30	3.39	ppb
Phosphorus	31-2	213.84	221.41	212.88	216.05	2.16	ppb
Potassium	39-2	3741.33	3832.65	3877.33	3817.10	1.82	ppb
Rhodium	103-1				110		%
Rhodium	103-2				116		%
Scandium	45-1				116		%
Scandium	45-2				116		%
Selenium	82-1	0.71	0.65	0.87	0.74	14.75	ppb
Selenium	77-2	3.41	1.65	2.16	2.41	37.57	ppb
Selenium	78-2	1.55	0.62	0.70	0.96	54.02	ppb
Silicon	28-1	4935.79	4939.75	4933.72	4936.42	0.06	ppb
Silver	107-1	0.07	0.08	0.08	0.08	4.66	ppb
Silver	109-1	0.08	0.07	0.08	0.07	4.08	ppb
Sodium	23-2	28074.88	28815.22	28777.25	28555.78	1.46	ppb
Strontium	86-1	113.91	118.08	118.15	116.72	2.08	ppb
Strontium	88-1	116.90	121.87	120.94	119.90	2.20	ppb
Sulfur	34-1	60537.63	59753.82	60495.42	60262.29	0.73	ppb
Terbium	159-1				108		%
Terbium	159-2				116		%
Thallium	203-1	-0.01	0.00	-0.01	-0.01		ppb
Thallium	205-1	0.00	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.07	0.07	0.07	0.07	4.92	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-02	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:34:16	DataFile Name :	034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2.40	2.25	2.73	2.46	9.94	ppb
Uranium	238-1	0.04	0.03	0.04	0.03	16.03	ppb
Vanadium	51-2	1.14	1.13	1.16	1.14	1.29	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				119		%
Zinc	66-2	25.75	26.50	27.03	26.43	2.42	ppb
Zirconium	90-1	0.12	0.14	0.14	0.13	8.00	ppb
Zirconium	91-1	0.16	0.36	0.22	0.24	42.13	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-04	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:37:12	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	119.32	109.43	114.19	114.31	4.33	ppb
Antimony	121-1	0.37	0.36	0.45	0.39	12.50	ppb
Arsenic	75-2	0.72	0.81	0.88	0.80	10.22	ppb
Barium	135-1	50.37	49.88	52.75	51.00	3.01	ppb
Barium	137-1	50.61	51.02	54.00	51.88	3.57	ppb
Beryllium	9-1	0.00	0.00	-0.01	0.00		ppb
Bismuth	209-1				105		%
Bismuth	209-2				112		%
Boron	10-1	88.60	87.70	94.97	90.42	4.38	ppb
Boron	11-1	99.28	99.19	108.65	102.37	5.31	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.05	-0.09	-0.17	-0.11		ppb
Cadmium	106-1	-1.08	-1.72	-2.61	-1.80		ppb
Cadmium	108-1	-0.58	-0.57	-0.55	-0.57		ppb
Calcium	43-1	28513.87	26266.28	29234.19	28004.78	5.53	ppb
Calcium	44-1	28108.12	26017.46	28884.00	27669.86	5.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.45	0.53	0.52	0.50	8.06	ppb
Cobalt	59-2	0.20	0.19	0.21	0.20	4.92	ppb
Copper	63-2	2.64	2.58	2.68	2.64	1.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				115		%
Indium	115-1				110		%
Indium	115-2				115		%
Iron	54-2	353.41	356.20	371.01	360.21	2.63	ppb
Iron	56-2	353.72	356.25	361.37	357.11	1.09	ppb
Iron	57-2	359.50	373.35	373.86	368.90	2.21	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-04	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:37:12	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.29	0.26	0.33	0.29	11.71	ppb
Lead	207-1	0.28	0.29	0.26	0.28	6.30	ppb
Lead	208-1	0.29	0.26	0.29	0.28	5.66	ppb
Lithium	6-1				99		%
Magnesium	24-2	10413.24	10289.55	10308.27	10337.02	0.64	ppb
Manganese	55-2	115.45	116.43	116.21	116.03	0.44	ppb
Molybdenum	94-1	1.01	0.89	1.03	0.97	7.85	ppb
Molybdenum	95-1	1.26	1.23	1.32	1.27	4.03	ppb
Molybdenum	96-1	1.28	1.17	1.36	1.27	7.55	ppb
Molybdenum	97-1	1.21	1.28	1.31	1.26	4.03	ppb
Molybdenum	98-1	1.25	1.19	1.28	1.24	3.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.18	1.23	1.27	1.23	3.52	ppb
Phosphorus	31-2	716.95	754.00	719.03	729.99	2.85	ppb
Potassium	39-2	3829.17	3870.23	3885.14	3861.52	0.75	ppb
Rhodium	103-1				108		%
Rhodium	103-2				114		%
Scandium	45-1				113		%
Scandium	45-2				115		%
Selenium	82-1	0.09	0.15	0.31	0.18	63.04	ppb
Selenium	77-2	0.58	1.12	-0.40	0.43	178.03	ppb
Selenium	78-2	0.24	-0.07	0.48	0.22	128.08	ppb
Silicon	28-1	3961.43	3721.19	4076.43	3919.68	4.62	ppb
Silver	107-1	0.02	0.01	0.01	0.01	16.48	ppb
Silver	109-1	0.02	0.02	0.01	0.02	20.17	ppb
Sodium	23-2	35494.48	35083.18	36223.12	35600.26	1.62	ppb
Strontium	86-1	152.49	150.18	164.52	155.73	4.94	ppb
Strontium	88-1	154.86	153.25	164.91	157.67	4.01	ppb
Sulfur	34-1	14693.90	13173.03	14930.59	14265.84	6.69	ppb
Terbium	159-1				107		%
Terbium	159-2				113		%
Thallium	203-1	0.01	-0.01	0.01	0.00	371.27	ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.06	0.09	0.09	0.08	20.60	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-04	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:37:12	DataFile Name :	035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2.81	2.55	2.91	2.76	6.63	ppb
Uranium	238-1	0.12	0.12	0.13	0.13	6.64	ppb
Vanadium	51-2	0.84	0.87	0.88	0.87	2.87	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				118		%
Zinc	66-2	29.35	30.45	29.63	29.81	1.92	ppb
Zirconium	90-1	0.05	0.16	0.09	0.10	56.19	ppb
Zirconium	91-1	0.05	0.09	0.08	0.07	27.18	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-06	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:40:06	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	111.20	97.95	108.09	105.74	6.56	ppb
Antimony	121-1	0.09	0.08	0.10	0.09	10.40	ppb
Arsenic	75-2	0.57	0.52	0.56	0.55	4.32	ppb
Barium	135-1	41.52	42.11	41.09	41.57	1.23	ppb
Barium	137-1	43.08	42.31	42.12	42.51	1.19	ppb
Beryllium	9-1	0.00	-0.01	0.00	0.00		ppb
Bismuth	209-1				110		%
Bismuth	209-2				116		%
Boron	10-1	50.34	51.61	50.09	50.68	1.61	ppb
Boron	11-1	58.14	59.08	57.50	58.24	1.37	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.16	-0.07	-0.05	-0.09		ppb
Cadmium	106-1	-2.49	-1.45	-0.83	-1.59		ppb
Cadmium	108-1	-0.39	-0.65	-0.38	-0.47		ppb
Calcium	43-1	23510.69	22846.34	22762.57	23039.87	1.78	ppb
Calcium	44-1	22991.19	23108.32	22229.66	22776.39	2.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.26	0.21	0.28	0.25	15.01	ppb
Cobalt	59-2	0.11	0.12	0.10	0.11	6.56	ppb
Copper	63-2	1.42	1.40	1.37	1.40	1.92	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				118		%
Indium	115-1				112		%
Indium	115-2				121		%
Iron	54-2	233.92	218.52	223.54	225.33	3.48	ppb
Iron	56-2	228.51	220.59	225.70	224.93	1.79	ppb
Iron	57-2	228.66	216.43	232.13	225.74	3.65	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-06	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:40:06	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.21	0.16	0.18	0.18	15.19	ppb
Lead	207-1	0.20	0.15	0.15	0.17	15.31	ppb
Lead	208-1	0.20	0.16	0.17	0.18	13.63	ppb
Lithium	6-1				105		%
Magnesium	24-2	9186.09	8816.73	8975.77	8992.86	2.06	ppb
Manganese	55-2	31.11	29.39	30.02	30.17	2.87	ppb
Molybdenum	94-1	0.55	0.47	0.43	0.48	12.85	ppb
Molybdenum	95-1	0.66	0.68	0.62	0.65	4.14	ppb
Molybdenum	96-1	0.61	0.54	0.58	0.57	6.62	ppb
Molybdenum	97-1	0.67	0.58	0.57	0.61	8.59	ppb
Molybdenum	98-1	0.66	0.59	0.59	0.61	6.67	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.56	0.54	0.57	0.56	2.63	ppb
Phosphorus	31-2	91.40	54.28	87.93	77.87	26.32	ppb
Potassium	39-2	2424.04	2324.12	2361.34	2369.83	2.13	ppb
Rhodium	103-1				114		%
Rhodium	103-2				118		%
Scandium	45-1				118		%
Scandium	45-2				119		%
Selenium	82-1	0.50	0.69	0.25	0.48	46.16	ppb
Selenium	77-2	0.09	-0.40	0.10	-0.07		ppb
Selenium	78-2	-0.14	-0.33	-0.30	-0.26		ppb
Silicon	28-1	3794.54	3751.69	3658.14	3734.79	1.87	ppb
Silver	107-1	0.01	0.01	0.01	0.01	35.57	ppb
Silver	109-1	0.01	0.01	0.01	0.01	24.70	ppb
Sodium	23-2	23852.89	22978.54	23181.37	23337.60	1.96	ppb
Strontium	86-1	129.25	127.69	126.11	127.68	1.23	ppb
Strontium	88-1	131.01	129.81	127.46	129.43	1.39	ppb
Sulfur	34-1	6568.43	6389.41	6032.57	6330.14	4.31	ppb
Terbium	159-1				111		%
Terbium	159-2				117		%
Thallium	203-1	-0.01	-0.02	-0.02	-0.02		ppb
Thallium	205-1	-0.01	-0.01	-0.01	-0.01		ppb
Tin	118-1	0.02	0.03	0.02	0.02	23.19	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-06	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:40:06	DataFile Name :	036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	3.19	2.86	2.88	2.98	6.29	ppb
Uranium	238-1	0.15	0.14	0.14	0.14	5.05	ppb
Vanadium	51-2	0.87	0.79	0.79	0.82	5.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				121		%
Zinc	66-2	23.10	22.25	22.61	22.65	1.88	ppb
Zirconium	90-1	0.05	0.03	0.03	0.04	27.71	ppb
Zirconium	91-1	0.05	0.03	0.03	0.04	26.70	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MS	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:43:03	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9851.36	10056.91	10093.19	10000.49	1.30	ppb
Antimony	121-1	492.84	497.18	485.78	491.93	1.17	ppb
Arsenic	75-2	515.68	524.61	534.53	524.94	1.80	ppb
Barium	135-1	2497.13	2491.13	2467.47	2485.24	0.63	ppb
Barium	137-1	2417.48	2477.48	2527.09	2474.02	2.22	ppb
Beryllium	9-1	487.97	505.56	490.32	494.62	1.93	ppb
Bismuth	209-1				102		%
Bismuth	209-2				108		%
Boron	10-1	521.33	549.40	560.89	543.87	3.74	ppb
Boron	11-1	546.21	589.02	585.77	573.67	4.15	ppb
Bromine	81-1						cps
Cadmium	111-1	503.12	501.72	496.28	500.37	0.72	ppb
Cadmium	106-1	484.49	485.53	495.20	488.41	1.21	ppb
Cadmium	108-1	481.87	483.45	493.54	486.29	1.30	ppb
Calcium	43-1	81030.87	83446.76	84646.86	83041.49	2.22	ppb
Calcium	44-1	78965.86	79199.44	80882.52	79682.61	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	494.22	514.25	519.98	509.48	2.66	ppb
Cobalt	59-2	509.95	507.89	527.05	514.96	2.04	ppb
Copper	63-2	5440.25	5475.85	5503.09	5473.06	0.58	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				110		%
Indium	115-1				105		%
Indium	115-2				108		%
Iron	54-2	27641.66	27935.60	28706.85	28094.70	1.96	ppb
Iron	56-2	27017.48	26547.43	27670.16	27078.36	2.08	ppb
Iron	57-2	27600.85	27809.62	28630.45	28013.64	1.94	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MS	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:43:03	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2410.80	2440.27	2378.49	2409.85	1.28	ppb
Lead	207-1	2409.71	2374.08	2432.68	2405.49	1.23	ppb
Lead	208-1	2426.08	2363.84	2465.68	2418.53	2.12	ppb
Lithium	6-1				98		%
Magnesium	24-2	59232.17	60000.22	60718.63	59983.67	1.24	ppb
Manganese	55-2	5537.67	5544.50	5710.62	5597.60	1.75	ppb
Molybdenum	94-1	2479.78	2282.76	2419.98	2394.18	4.22	ppb
Molybdenum	95-1	2497.26	2286.53	2422.59	2402.13	4.45	ppb
Molybdenum	96-1	2509.17	2304.95	2428.05	2414.06	4.26	ppb
Molybdenum	97-1	2427.09	2313.55	2405.09	2381.91	2.53	ppb
Molybdenum	98-1	2434.80	2263.33	2411.98	2370.03	3.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	476.34	482.03	490.14	482.84	1.44	ppb
Phosphorus	31-2	721.59	715.21	803.15	746.65	6.57	ppb
Potassium	39-2	28759.20	30328.86	29841.18	29643.08	2.71	ppb
Rhodium	103-1				102		%
Rhodium	103-2				107		%
Scandium	45-1				108		%
Scandium	45-2				109		%
Selenium	82-1	488.00	462.19	481.43	477.20	2.81	ppb
Selenium	77-2	498.91	486.25	528.87	504.68	4.34	ppb
Selenium	78-2	484.92	495.67	511.39	497.33	2.68	ppb
Silicon	28-1	4339.35	4445.93	4488.09	4424.46	1.73	ppb
Silver	107-1	405.39	398.82	405.07	403.10	0.92	ppb
Silver	109-1	392.75	401.80	365.72	386.76	4.85	ppb
Sodium	23-2	85049.92	87352.35	89262.95	87221.74	2.42	ppb
Strontium	86-1	5247.18	4917.29	5193.72	5119.40	3.46	ppb
Strontium	88-1	5248.14	5035.47	5275.64	5186.42	2.53	ppb
Sulfur	34-1	13525.01	14156.83	14321.68	14001.17	3.00	ppb
Terbium	159-1				107		%
Terbium	159-2				110		%
Thallium	203-1	475.77	489.28	478.86	481.30	1.47	ppb
Thallium	205-1	472.59	480.10	477.78	476.82	0.81	ppb
Tin	118-1	491.74	487.36	479.39	486.16	1.29	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MS	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:43:03	DataFile Name :	037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2461.02	2376.16	2452.13	2429.77	1.92	ppb
Uranium	238-1	477.73	470.99	474.77	474.50	0.71	ppb
Vanadium	51-2	517.02	511.62	516.32	514.99	0.57	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				111		%
Zinc	66-2	5375.05	5462.29	5540.41	5459.25	1.52	ppb
Zirconium	90-1	476.65	465.77	484.20	475.54	1.95	ppb
Zirconium	91-1	485.17	454.48	490.62	476.76	4.09	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MSD	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MSD	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:45:56	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10177.01	10082.54	9790.48	10016.68	2.01	ppb
Antimony	121-1	497.66	495.18	487.06	493.30	1.12	ppb
Arsenic	75-2	517.34	511.16	509.28	512.59	0.82	ppb
Barium	135-1	2521.26	2524.39	2435.47	2493.71	2.02	ppb
Barium	137-1	2536.13	2529.81	2450.49	2505.48	1.90	ppb
Beryllium	9-1	481.66	489.92	497.22	489.60	1.59	ppb
Bismuth	209-1				100		%
Bismuth	209-2				105		%
Boron	10-1	547.44	568.34	597.73	571.17	4.42	ppb
Boron	11-1	557.19	607.71	622.22	595.71	5.73	ppb
Bromine	81-1						cps
Cadmium	111-1	517.85	508.80	511.68	512.78	0.90	ppb
Cadmium	106-1	490.48	495.99	468.77	485.08	2.97	ppb
Cadmium	108-1	490.89	485.33	482.71	486.31	0.86	ppb
Calcium	43-1	83349.82	81967.16	80780.18	82032.39	1.57	ppb
Calcium	44-1	79988.61	78521.20	78768.06	79092.62	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	520.73	507.44	494.76	507.64	2.56	ppb
Cobalt	59-2	518.22	514.87	508.78	513.96	0.93	ppb
Copper	63-2	5722.61	5594.96	5447.13	5588.23	2.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				109		%
Indium	115-1				105		%
Indium	115-2				108		%
Iron	54-2	29157.67	28931.09	27681.15	28589.97	2.78	ppb
Iron	56-2	28441.58	28426.43	27426.57	28098.19	2.07	ppb
Iron	57-2	28989.74	29036.88	28021.00	28682.54	2.00	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MSD	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MSD	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:45:56	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2436.30	2555.76	2477.85	2489.97	2.44	ppb
Lead	207-1	2500.85	2556.90	2494.46	2517.40	1.36	ppb
Lead	208-1	2466.17	2539.89	2477.82	2494.62	1.59	ppb
Lithium	6-1				98		%
Magnesium	24-2	64142.87	64217.68	61199.71	63186.75	2.72	ppb
Manganese	55-2	5744.46	5754.94	5553.82	5684.41	1.99	ppb
Molybdenum	94-1	2379.10	2413.73	2411.47	2401.43	0.81	ppb
Molybdenum	95-1	2365.90	2463.84	2453.20	2427.65	2.21	ppb
Molybdenum	96-1	2390.57	2490.07	2425.11	2435.25	2.07	ppb
Molybdenum	97-1	2389.90	2430.10	2376.07	2398.69	1.17	ppb
Molybdenum	98-1	2348.84	2408.46	2375.27	2377.52	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	487.59	481.26	471.26	480.04	1.72	ppb
Phosphorus	31-2	691.51	651.51	654.89	665.97	3.33	ppb
Potassium	39-2	29738.95	30014.96	29211.99	29655.30	1.38	ppb
Rhodium	103-1				101		%
Rhodium	103-2				108		%
Scandium	45-1				109		%
Scandium	45-2				108		%
Selenium	82-1	469.33	477.82	471.81	472.99	0.92	ppb
Selenium	77-2	488.47	514.88	509.13	504.16	2.75	ppb
Selenium	78-2	499.20	481.91	480.01	487.04	2.17	ppb
Silicon	28-1	4276.09	4451.04	4359.57	4362.23	2.01	ppb
Silver	107-1	455.22	420.58	442.85	439.55	3.99	ppb
Silver	109-1	387.53	408.65	436.84	411.01	6.02	ppb
Sodium	23-2	88361.45	87941.15	84645.07	86982.56	2.34	ppb
Strontium	86-1	5051.72	5169.14	5148.48	5123.12	1.22	ppb
Strontium	88-1	5067.71	5142.27	5057.95	5089.31	0.91	ppb
Sulfur	34-1	13200.78	13367.38	13045.86	13204.67	1.22	ppb
Terbium	159-1				107		%
Terbium	159-2				109		%
Thallium	203-1	497.70	500.72	505.60	501.34	0.80	ppb
Thallium	205-1	479.84	496.61	491.36	489.27	1.75	ppb
Tin	118-1	497.06	500.03	489.93	495.68	1.05	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MSD	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MSD	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:45:56	DataFile Name :	038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2388.23	2427.10	2423.72	2413.02	0.89	ppb
Uranium	238-1	473.71	482.82	498.79	485.11	2.62	ppb
Vanadium	51-2	539.63	520.58	505.15	521.78	3.31	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				111		%
Zinc	66-2	5739.13	5649.03	5571.41	5653.19	1.48	ppb
Zirconium	90-1	482.06	483.93	473.41	479.80	1.17	ppb
Zirconium	91-1	477.72	492.14	481.71	483.86	1.54	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03A	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)A	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:48:52	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9970.39	10063.54	9954.05	9995.99	0.59	ppb
Antimony	121-1	498.14	494.59	528.63	507.12	3.69	ppb
Arsenic	75-2	518.60	508.39	518.65	515.21	1.15	ppb
Barium	135-1	2539.66	2553.75	2678.68	2590.69	2.95	ppb
Barium	137-1	2538.64	2566.96	2723.16	2609.59	3.81	ppb
Beryllium	9-1	483.62	511.74	494.90	496.75	2.85	ppb
Bismuth	209-1				98		%
Bismuth	209-2				110		%
Boron	10-1	548.56	599.39	597.10	581.68	4.93	ppb
Boron	11-1	562.62	633.22	621.74	605.86	6.25	ppb
Bromine	81-1						cps
Cadmium	111-1	504.37	494.87	502.56	500.60	1.01	ppb
Cadmium	106-1	478.54	497.15	511.53	495.74	3.34	ppb
Cadmium	108-1	492.97	491.60	514.59	499.72	2.58	ppb
Calcium	43-1	81113.91	82645.86	82361.09	82040.29	0.99	ppb
Calcium	44-1	79291.59	80300.34	78758.40	79450.11	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	512.51	514.80	511.69	513.00	0.31	ppb
Cobalt	59-2	511.21	504.74	520.81	512.25	1.58	ppb
Copper	63-2	5523.51	5482.69	5489.93	5498.71	0.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				113		%
Indium	115-1				101		%
Indium	115-2				113		%
Iron	54-2	28014.42	28550.45	28438.98	28334.62	1.00	ppb
Iron	56-2	27390.73	27676.04	27850.90	27639.22	0.84	ppb
Iron	57-2	28327.62	28255.55	27796.39	28126.52	1.02	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03A	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)A	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:48:52	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2459.77	2505.14	2485.50	2483.47	0.92	ppb
Lead	207-1	2500.11	2506.28	2394.64	2467.01	2.54	ppb
Lead	208-1	2493.02	2517.24	2456.59	2488.95	1.23	ppb
Lithium	6-1				95		%
Magnesium	24-2	60689.13	62863.78	60915.09	61489.33	1.94	ppb
Manganese	55-2	5565.51	5713.91	5814.63	5698.01	2.20	ppb
Molybdenum	94-1	2282.00	2473.09	2363.66	2372.92	4.04	ppb
Molybdenum	95-1	2369.44	2526.92	2455.43	2450.60	3.22	ppb
Molybdenum	96-1	2349.50	2487.01	2446.90	2427.80	2.91	ppb
Molybdenum	97-1	2260.49	2459.03	2345.33	2354.95	4.23	ppb
Molybdenum	98-1	2265.54	2470.16	2345.49	2360.39	4.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	479.96	482.72	485.18	482.62	0.54	ppb
Phosphorus	31-2	790.53	849.98	655.24	765.25	13.04	ppb
Potassium	39-2	29469.58	29299.52	29754.80	29507.97	0.78	ppb
Rhodium	103-1				99		%
Rhodium	103-2				113		%
Scandium	45-1				107		%
Scandium	45-2				113		%
Selenium	82-1	454.53	482.34	476.51	471.13	3.11	ppb
Selenium	77-2	522.50	478.38	550.57	517.15	7.04	ppb
Selenium	78-2	491.42	487.56	495.56	491.51	0.81	ppb
Silicon	28-1	4219.98	4445.50	4334.81	4333.43	2.60	ppb
Silver	107-1	519.94	408.23	419.37	449.18	13.70	ppb
Silver	109-1	488.47	473.15	461.84	474.49	2.82	ppb
Sodium	23-2	85627.15	89047.87	87969.71	87548.24	2.00	ppb
Strontium	86-1	4927.40	5164.04	5164.24	5085.22	2.69	ppb
Strontium	88-1	4903.61	5175.82	5104.76	5061.40	2.79	ppb
Sulfur	34-1	12770.45	13579.74	13012.57	13120.92	3.17	ppb
Terbium	159-1				103		%
Terbium	159-2				114		%
Thallium	203-1	483.28	504.90	505.98	498.05	2.57	ppb
Thallium	205-1	490.17	506.18	505.08	500.47	1.79	ppb
Tin	118-1	503.60	493.31	506.37	501.09	1.37	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03A	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)A	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:48:52	DataFile Name :	039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2331.09	2482.15	2421.72	2411.65	3.15	ppb
Uranium	238-1	461.41	497.10	491.45	483.32	3.97	ppb
Vanadium	51-2	516.96	520.84	519.43	519.08	0.38	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				116		%
Zinc	66-2	5607.14	5569.15	5465.91	5547.40	1.32	ppb
Zirconium	90-1	465.57	491.50	471.98	476.35	2.84	ppb
Zirconium	91-1	463.33	504.32	476.99	481.55	4.33	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV73	Instrumnet Name :	P8
Client Sample ID :	CCV73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:56:41	DataFile Name :	040CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	51580.10	50542.95	50470.24	50864.43	1.22	ppb
Antimony	121-1	489.88	488.56	508.57	495.67	2.26	ppb
Arsenic	75-2	508.55	513.23	502.94	508.24	1.01	ppb
Barium	135-1	2528.32	2527.72	2558.17	2538.07	0.69	ppb
Barium	137-1	2408.23	2545.57	2599.57	2517.79	3.92	ppb
Beryllium	9-1	464.11	484.66	488.40	479.06	2.73	ppb
Bismuth	209-1				96		%
Bismuth	209-2				106		%
Boron	10-1	473.97	493.59	518.16	495.24	4.47	ppb
Boron	11-1	477.09	517.94	553.39	516.14	7.40	ppb
Bromine	81-1						cps
Cadmium	111-1	516.91	543.94	524.50	528.45	2.64	ppb
Cadmium	106-1	483.66	525.07	505.74	504.82	4.10	ppb
Cadmium	108-1	492.15	522.04	530.22	514.81	3.89	ppb
Calcium	43-1	250454.30	256740.22	263883.56	257026.03	2.61	ppb
Calcium	44-1	247873.63	255750.07	263221.04	255614.91	3.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	515.77	523.74	508.29	515.93	1.50	ppb
Cobalt	59-2	529.66	530.81	526.28	528.92	0.45	ppb
Copper	63-2	5065.13	5211.04	5099.71	5125.29	1.49	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				114		%
Indium	115-1				103		%
Indium	115-2				109		%
Iron	54-2	135289.28	137862.73	134927.35	136026.45	1.18	ppb
Iron	56-2	132362.52	132289.95	132495.16	132382.54	0.08	ppb
Iron	57-2	134717.20	135877.52	135451.07	135348.60	0.43	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV73	Instrumnet Name :	P8
Client Sample ID :	CCV73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:56:41	DataFile Name :	040CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	2525.08	2524.85	2530.92	2526.95	0.14	ppb
Lead	207-1	2538.51	2570.56	2476.58	2528.55	1.89	ppb
Lead	208-1	2531.62	2533.50	2497.71	2520.94	0.80	ppb
Lithium	6-1				99		%
Magnesium	24-2	265244.31	265929.06	272441.44	267871.60	1.48	ppb
Manganese	55-2	5184.42	5235.96	5241.55	5220.64	0.60	ppb
Molybdenum	94-1	2416.33	2483.64	2532.26	2477.41	2.35	ppb
Molybdenum	95-1	2448.74	2460.39	2515.85	2474.99	1.45	ppb
Molybdenum	96-1	2440.93	2454.63	2458.92	2451.49	0.38	ppb
Molybdenum	97-1	2364.23	2483.80	2420.10	2422.71	2.47	ppb
Molybdenum	98-1	2335.20	2443.53	2418.47	2399.07	2.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	482.59	495.97	489.07	489.21	1.37	ppb
Phosphorus	31-2	10139.38	10254.87	9981.99	10125.41	1.35	ppb
Potassium	39-2	130533.77	134296.89	130400.25	131743.63	1.68	ppb
Rhodium	103-1				98		%
Rhodium	103-2				107		%
Scandium	45-1				110		%
Scandium	45-2				112		%
Selenium	82-1	471.41	487.33	487.89	482.21	1.94	ppb
Selenium	77-2	495.48	527.03	526.93	516.48	3.52	ppb
Selenium	78-2	498.39	510.74	501.01	503.38	1.29	ppb
Silicon	28-1	476.19	522.66	515.43	504.76	4.95	ppb
Silver	107-1	498.89	522.93	529.11	516.97	3.09	ppb
Silver	109-1	504.58	527.46	525.69	519.24	2.45	ppb
Sodium	23-2	259488.36	270517.29	263383.51	264463.05	2.11	ppb
Strontium	86-1	4941.04	4851.87	5072.47	4955.13	2.24	ppb
Strontium	88-1	4821.20	5002.91	5063.33	4962.48	2.54	ppb
Sulfur	34-1	7393.35	9799.66	10389.99	9194.33	17.26	ppb
Terbium	159-1				104		%
Terbium	159-2				114		%
Thallium	203-1	482.34	493.22	503.63	493.06	2.16	ppb
Thallium	205-1	503.55	504.44	501.54	503.18	0.29	ppb
Tin	118-1	505.76	506.17	510.54	507.49	0.52	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV73	Instrumnet Name :	P8
Client Sample ID :	CCV73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:56:41	DataFile Name :	040CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	2387.24	2412.75	2471.49	2423.83	1.78	ppb
Uranium	238-1	507.72	508.26	504.27	506.75	0.43	ppb
Vanadium	51-2	524.85	525.27	519.01	523.04	0.67	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				116		%
Zinc	66-2	4958.35	5145.63	4981.73	5028.57	2.03	ppb
Zirconium	90-1	477.92	508.32	495.19	493.81	3.09	ppb
Zirconium	91-1	481.03	510.38	496.95	496.12	2.96	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB73	Instrumnet Name :	P8
Client Sample ID :	CCB73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 14:06:26	DataFile Name :	042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.06	0.08	0.48	0.20	115.61	ppb
Antimony	121-1	0.02	0.02	0.03	0.03	30.91	ppb
Arsenic	75-2	-0.06	-0.04	-0.06	-0.05		ppb
Barium	135-1	0.02	0.01	0.01	0.01	14.38	ppb
Barium	137-1	0.01	0.02	0.00	0.01	95.81	ppb
Beryllium	9-1	0.00	-0.01	-0.01	0.00		ppb
Bismuth	209-1				108		%
Bismuth	209-2				105		%
Boron	10-1	22.65	20.62	20.93	21.40	5.12	ppb
Boron	11-1	25.35	23.07	23.49	23.97	5.05	ppb
Bromine	81-1						cps
Cadmium	111-1	-0.18	-0.10	-0.05	-0.11		ppb
Cadmium	106-1	-2.83	-1.65	-1.06	-1.85		ppb
Cadmium	108-1	-0.55	-0.72	-0.59	-0.62		ppb
Calcium	43-1	-7.28	-8.81	-8.75	-8.28		ppb
Calcium	44-1	5.94	3.30	2.81	4.02	41.92	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.02	0.00	0.00	356.63	ppb
Cobalt	59-2	0.00	0.00	-0.01	-0.01		ppb
Copper	63-2	0.00	0.03	0.02	0.01	110.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				105		%
Indium	115-1				112		%
Indium	115-2				106		%
Iron	54-2	0.23	0.12	-0.28	0.02	1126.21	ppb
Iron	56-2	0.28	0.21	0.31	0.27	17.97	ppb
Iron	57-2	-0.60	-0.01	0.30	-0.10		ppb

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCB73 Instrumnet Name : P8
 Client Sample ID : CCB73 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 14:06:26 DataFile Name : 042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Krypton	83-1						cps
Lead	206-1	0.03	0.02	0.02	0.02	26.04	ppb
Lead	207-1	0.03	-0.01	0.03	0.02	110.29	ppb
Lead	208-1	0.03	0.02	0.03	0.03	30.50	ppb
Lithium	6-1				103		%
Magnesium	24-2	0.34	1.54	1.18	1.02	60.56	ppb
Manganese	55-2	0.01	-0.04	0.00	-0.01		ppb
Molybdenum	94-1	0.03	0.00	0.01	0.01	142.50	ppb
Molybdenum	95-1	0.02	0.01	0.00	0.01	91.18	ppb
Molybdenum	96-1	0.02	0.00	0.01	0.01	91.04	ppb
Molybdenum	97-1	0.01	0.01	-0.01	0.00	250.12	ppb
Molybdenum	98-1	0.02	0.01	-0.01	0.01	143.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.01	-0.01	0.02	0.00		ppb
Phosphorus	31-2	-6.76	-23.94	0.68	-10.01		ppb
Potassium	39-2	2.83	14.71	14.39	10.64	63.63	ppb
Rhodium	103-1				111		%
Rhodium	103-2				107		%
Scandium	45-1				114		%
Scandium	45-2				104		%
Selenium	82-1	0.03	-0.02	-0.34	-0.11		ppb
Selenium	77-2	0.14	0.17	-0.40	-0.03		ppb
Selenium	78-2	-0.57	0.41	0.54	0.13	474.18	ppb
Silicon	28-1	-5.67	-8.11	-7.65	-7.14		ppb
Silver	107-1	0.05	0.04	0.03	0.04	18.91	ppb
Silver	109-1	0.06	0.05	0.03	0.05	35.73	ppb
Sodium	23-2	29.11	32.14	33.14	31.46	6.66	ppb
Strontium	86-1	0.01	0.01	-0.01	0.00	505.26	ppb
Strontium	88-1	0.03	0.01	0.01	0.02	82.61	ppb
Sulfur	34-1	-2798.31	-2998.22	-2962.31	-2919.62		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.00	0.01	0.02	0.01	85.09	ppb
Thallium	205-1	0.02	0.01	0.01	0.02	35.86	ppb
Tin	118-1	0.33	0.00	0.02	0.12	159.65	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB73	Instrumnet Name :	P8
Client Sample ID :	CCB73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 14:06:26	DataFile Name :	042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Titanium	47-1	0.00	-0.01	-0.02	-0.01		ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	-0.01	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				107		%
Zinc	66-2	-0.70	-0.64	-0.62	-0.65		ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	356.27	ppb
Zirconium	91-1	-0.01	0.00	0.01	0.00	1104.96	ppb

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:13:13	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	175	161	185	174	6.86	cps
Antimony	121-1	200	217	217	211	4.56	cps
Arsenic	75-2	26	24	24	25	4.68	cps
Barium	135-1	175	100	133	136	27.61	cps
Barium	137-1	142	242	208	197	25.82	cps
Beryllium	9-1	106	134	98	113	16.78	cps
Bismuth	209-1	8516525	8529424	8283006	8442985	1.64	cps
Bismuth	209-2	3086744	2977129	3156306	3073393	2.94	cps
Boron	10-1	502	542	600	548	8.99	cps
Boron	11-1	2558	2482	2356	2465	4.14	cps
Bromine	81-1	33615	33264	31709	32862	3.09	cps
Cadmium	111-1	6273	5875	6303	6150	3.88	cps
Cadmium	106-1	9062	8369	9053	8828	4.50	cps
Cadmium	108-1	238	167	204	203	17.48	cps
Calcium	43-1	1044	1054	917	1005	7.56	cps
Calcium	44-1	51996	53690	50514	52067	3.05	cps
Carbon	12-1	7607877	7517285	7568946	7564703	0.60	cps
Carbon	12-2	69958	70477	69833	70089	0.49	cps
Chlorine	35-1	1844916	1780563	1750676	1792052	2.69	cps
Chlorine	35-2	11772	11413	11580	11588	1.55	cps
Chromium	52-2	1173	1153	1173	1167	0.99	cps
Cobalt	59-2	127	100	93	107	16.54	cps
Copper	63-2	1013	947	1037	999	4.68	cps
Dysprosium	156-1	8	0	25	11	114.58	cps
Dysprosium	156-2	10	3	0	4	114.60	cps
Erbium	164-1	125	67	92	94	30.98	cps
Erbium	164-2	47	23	7	26	78.62	cps
Gadolinium	160-1	125	183	267	192	37.15	cps
Gadolinium	160-2	40	33	57	43	27.74	cps
Holmium	165-1	14409077	14186976	14336436	14310829	0.79	cps
Holmium	165-2	4615907	4345852	4527003	4496254	3.06	cps
Indium	115-1	13236085	13049243	13344300	13209876	1.13	cps
Indium	115-2	1523096	1476798	1531004	1510299	1.94	cps
Iron	54-2	722	1039	761	841	20.54	cps
Iron	56-2	6696	6090	6268	6352	4.90	cps
Iron	57-2	294	211	200	235	21.95	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:13:13	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	907	1003	947	952	5.10	cps
Lead	206-1	1806	2150	2067	2008	8.95	cps
Lead	207-1	1589	1861	1928	1793	10.02	cps
Lead	208-1	7445	8501	7757	7901	6.87	cps
Lithium	6-1	5804663	5703938	5713746	5740782	0.97	cps
Magnesium	24-2	375	358	483	406	16.74	cps
Manganese	55-2	187	160	170	172	7.82	cps
Molybdenum	94-1	583	483	608	558	11.85	cps
Molybdenum	95-1	192	333	317	281	27.60	cps
Molybdenum	96-1	408	483	558	483	15.52	cps
Molybdenum	97-1	192	200	192	194	2.48	cps
Molybdenum	98-1	400	458	458	439	7.67	cps
Neodymium	150-1	20	0	0	7	173.21	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	137	140	127	134	5.16	cps
Phosphorus	31-2	200	200	158	186	12.93	cps
Potassium	39-2	23653	22677	23636	23322	2.40	cps
Rhodium	103-1	13351971	12805876	12952267	13036705	2.17	cps
Rhodium	103-2	4190119	4068510	4305217	4187949	2.83	cps
Scandium	45-1	10261493	9879356	10088543	10076464	1.90	cps
Scandium	45-2	252326	238102	244523	244984	2.91	cps
Selenium	82-1	41	-57	-26	-14	-355.23	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	69	101	87	86	18.72	cps
Silicon	28-1	621635	613647	620277	618520	0.69	cps
Silver	107-1	242	108	175	175	38.09	cps
Silver	109-1	75	83	167	108	46.79	cps
Sodium	23-2	27385	27259	27760	27468	0.95	cps
Strontium	86-1	1558	1492	1692	1581	6.44	cps
Strontium	88-1	1017	1408	1375	1267	17.14	cps
Sulfur	34-1	485062	483154	486519	484911	0.35	cps
Terbium	159-1	15284944	15528627	15677712	15497094	1.28	cps
Terbium	159-2	4630974	4444894	4738750	4604873	3.23	cps
Thallium	203-1	800	900	750	817	9.35	cps
Thallium	205-1	1909	1775	1892	1859	3.91	cps
Tin	118-1	2150	1867	1959	1992	7.26	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S0	Instrumnet Name :	P8
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:13:13	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	350	225	308	294	21.62	cps
Uranium	238-1	200	233	133	189	26.96	cps
Vanadium	51-2	30	37	30	32	11.95	cps
Ytterbium	172-1	58	67	42	56	22.91	cps
Ytterbium	172-2	17	44	11	24	74.19	cps
Ytterbium	176-1	1992	2159	2209	2120	5.35	cps
Ytterbium	176-2	2350	2523	2550	2474	4.38	cps
Yttrium	89-1	32305904	31102525	32014285	31807571	1.97	cps
Yttrium	89-2	2613962	2580220	2713391	2635857	2.63	cps
Zinc	66-2	823	840	780	814	3.80	cps
Zirconium	90-1	1533	1342	1408	1428	6.82	cps
Zirconium	91-1	267	175	250	231	21.18	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S2 Instrumnet Name : P8
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:19:21 DataFile Name : 005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2039	1959	2056	2018	2.58	cps
Antimony	121-1	23145	23663	23746	23518	1.38	cps
Arsenic	75-2	335	344	351	343	2.34	cps
Barium	135-1	31496	32507	32398	32133	1.73	cps
Barium	137-1	55933	55214	54820	55322	1.02	cps
Beryllium	9-1	4586	4400	4426	4470	2.25	cps
Bismuth	209-1	8416574	8463188	8379107	8419623	0.50	cps
Bismuth	209-2	3244159	3216741	3179959	3213620	1.00	cps
Boron	10-1	11864	12405	13201	12490	5.38	cps
Boron	11-1	55919	60612	61887	59473	5.29	cps
Bromine	81-1	34739	34648	31959	33782	4.68	cps
Cadmium	111-1	9354	9096	9639	9363	2.90	cps
Cadmium	106-1	8670	8411	9353	8811	5.53	cps
Cadmium	108-1	421	429	388	413	5.35	cps
Calcium	43-1	27399	26959	26989	27116	0.91	cps
Calcium	44-1	472415	473301	472153	472623	0.13	cps
Carbon	12-1	7522849	7434340	7418088	7458426	0.76	cps
Carbon	12-2	68778	70176	68200	69051	1.47	cps
Chlorine	35-1	1593187	1543566	1479543	1538765	3.70	cps
Chlorine	35-2	10646	9779	9687	10037	5.27	cps
Chromium	52-2	7715	8159	7949	7941	2.79	cps
Cobalt	59-2	5921	5941	5968	5944	0.39	cps
Copper	63-2	9020	9063	9180	9087	0.91	cps
Dysprosium	156-1	0	17	17	11	86.60	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	92	100	83	92	9.09	cps
Erbium	164-2	17	43	17	26	60.23	cps
Gadolinium	160-1	117	167	167	150	19.24	cps
Gadolinium	160-2	70	70	63	68	5.68	cps
Holmium	165-1	14588001	14525870	14486076	14533315	0.35	cps
Holmium	165-2	4682738	4710426	4662788	4685317	0.51	cps
Indium	115-1	13262029	13452921	13452769	13389240	0.82	cps
Indium	115-2	1576180	1634884	1550014	1587026	2.74	cps
Iron	54-2	8230	8764	9064	8686	4.86	cps
Iron	56-2	145517	146439	152790	148249	2.67	cps
Iron	57-2	3667	3628	3712	3669	1.14	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:19:21	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	953	867	967	929	5.85	cps
Lead	206-1	10171	10677	10365	10404	2.45	cps
Lead	207-1	9059	8853	9354	9089	2.77	cps
Lead	208-1	41171	40937	41426	41178	0.59	cps
Lithium	6-1	5801043	5831498	5872146	5834896	0.61	cps
Magnesium	24-2	128892	126655	126346	127298	1.09	cps
Manganese	55-2	1910	1887	1797	1865	3.21	cps
Molybdenum	94-1	30843	31010	30776	30877	0.39	cps
Molybdenum	95-1	37610	36849	38554	37671	2.27	cps
Molybdenum	96-1	41195	41755	41764	41571	0.78	cps
Molybdenum	97-1	23454	23278	23437	23390	0.41	cps
Molybdenum	98-1	60081	61554	58114	59916	2.88	cps
Neodymium	150-1	13	13	13	13	0.00	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1900	1840	1790	1843	2.99	cps
Phosphorus	31-2	258	208	225	231	11.04	cps
Potassium	39-2	121299	121247	121610	121385	0.16	cps
Rhodium	103-1	13062082	13157040	13376772	13198631	1.22	cps
Rhodium	103-2	4467031	4467083	4228660	4387591	3.14	cps
Scandium	45-1	10139868	10291766	10431734	10287789	1.42	cps
Scandium	45-2	258872	258053	252813	256579	1.28	cps
Selenium	82-1	1456	1571	1420	1482	5.34	cps
Selenium	77-2	57	20	47	41	46.11	cps
Selenium	78-2	231	192	208	210	9.32	cps
Silicon	28-1	737177	737783	735405	736788	0.17	cps
Silver	107-1	16669	17695	18671	17678	5.66	cps
Silver	109-1	16168	17336	16293	16599	3.86	cps
Sodium	23-2	266931	269084	265308	267108	0.71	cps
Strontium	86-1	6435	6952	7085	6824	5.03	cps
Strontium	88-1	45558	45475	46520	45851	1.27	cps
Sulfur	34-1	505560	505294	502902	504585	0.29	cps
Terbium	159-1	15561646	16131277	15395044	15695989	2.46	cps
Terbium	159-2	4920470	4908809	4831453	4886910	0.99	cps
Thallium	203-1	11188	11122	11630	11314	2.44	cps
Thallium	205-1	27914	27338	27346	27533	1.20	cps
Tin	118-1	56727	55538	57346	56537	1.62	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S2	Instrumnet Name :	P8
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:19:21	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	12139	12698	12197	12344	2.49	cps
Uranium	238-1	32075	31114	31648	31612	1.52	cps
Vanadium	51-2	13383	13416	13240	13346	0.70	cps
Ytterbium	172-1	50	83	42	58	37.80	cps
Ytterbium	172-2	11	22	22	19	34.64	cps
Ytterbium	176-1	2175	2134	2184	2164	1.24	cps
Ytterbium	176-2	2245	2367	2156	2256	4.70	cps
Yttrium	89-1	31065418	32441823	32108485	31871909	2.25	cps
Yttrium	89-2	2859762	2834809	2694514	2796362	3.19	cps
Zinc	66-2	1997	2224	1957	2059	6.99	cps
Zirconium	90-1	26367	26860	25399	26209	2.84	cps
Zirconium	91-1	6535	5718	6043	6099	6.74	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S3 Instrumnet Name : P8
 Client Sample ID : S3 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:22:27 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	85490	84725	84872	85029	0.48	cps
Antimony	121-1	575527	591918	599078	588841	2.05	cps
Arsenic	75-2	14848	14962	15018	14943	0.58	cps
Barium	135-1	768265	781598	791678	780514	1.50	cps
Barium	137-1	1338922	1376156	1398111	1371063	2.18	cps
Beryllium	9-1	206131	212225	214293	210883	2.01	cps
Bismuth	209-1	8470087	8568455	9036118	8691553	3.48	cps
Bismuth	209-2	3354149	3205762	3336073	3298661	2.45	cps
Boron	10-1	23750	25595	26575	25307	5.67	cps
Boron	11-1	108094	118281	123481	116619	6.71	cps
Bromine	81-1	34137	34909	35210	34752	1.59	cps
Cadmium	111-1	181043	186370	185404	184272	1.54	cps
Cadmium	106-1	26927	28180	27587	27564	2.27	cps
Cadmium	108-1	13115	13615	13949	13560	3.10	cps
Calcium	43-1	285561	295140	298936	293212	2.35	cps
Calcium	44-1	4593032	4749977	4827328	4723446	2.53	cps
Carbon	12-1	8226318	8475113	8445903	8382445	1.62	cps
Carbon	12-2	76893	77497	77119	77170	0.40	cps
Chlorine	35-1	1546141	1505084	1482464	1511230	2.14	cps
Chlorine	35-2	9887	10387	9553	9943	4.22	cps
Chromium	52-2	166164	164271	161764	164066	1.35	cps
Cobalt	59-2	286862	284182	286201	285749	0.49	cps
Copper	63-2	2289353	2277017	2223214	2263195	1.55	cps
Dysprosium	156-1	50	42	67	53	24.12	cps
Dysprosium	156-2	7	7	13	9	43.25	cps
Erbium	164-1	83	142	142	122	27.55	cps
Erbium	164-2	40	50	43	44	11.46	cps
Gadolinium	160-1	125	175	167	156	17.22	cps
Gadolinium	160-2	43	90	63	66	35.72	cps
Holmium	165-1	14722394	14819163	15311243	14950933	2.11	cps
Holmium	165-2	4794768	4699103	4769258	4754377	1.04	cps
Indium	115-1	12974365	13648840	13273800	13299002	2.54	cps
Indium	115-2	1606349	1611282	1614375	1610669	0.25	cps
Iron	54-2	367448	363981	368570	366667	0.65	cps
Iron	56-2	6703962	6740059	6391497	6611839	2.90	cps
Iron	57-2	163852	163724	161728	163101	0.73	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:22:27	DataFile Name :	006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	927	913	1040	960	7.25	cps
Lead	206-1	2327973	2315101	2434823	2359299	2.79	cps
Lead	207-1	1976237	2008581	2160157	2048325	4.79	cps
Lead	208-1	9031251	9102861	9786999	9307037	4.48	cps
Lithium	6-1	5626001	5873263	5924095	5807786	2.75	cps
Magnesium	24-2	1259534	1238217	1218550	1238767	1.65	cps
Manganese	55-2	837725	833972	831217	834305	0.39	cps
Molybdenum	94-1	1424854	1554053	1543228	1507378	4.75	cps
Molybdenum	95-1	1778591	1876547	1888794	1847977	3.27	cps
Molybdenum	96-1	1985577	2087968	2033473	2035673	2.52	cps
Molybdenum	97-1	1093815	1128739	1132888	1118481	1.92	cps
Molybdenum	98-1	2904153	2920494	2987777	2937475	1.51	cps
Neodymium	150-1	60	27	47	44	37.74	cps
Neodymium	150-2	10	10	0	7	86.60	cps
Nickel	60-2	79641	78965	77423	78676	1.45	cps
Phosphorus	31-2	3117	2892	3009	3006	3.74	cps
Potassium	39-2	513754	518877	512854	515162	0.63	cps
Rhodium	103-1	13100199	12940783	13229285	13090089	1.10	cps
Rhodium	103-2	4417690	4481453	4495245	4464796	0.93	cps
Scandium	45-1	9979985	10458400	10317618	10252001	2.40	cps
Scandium	45-2	255092	250982	254686	253587	0.89	cps
Selenium	82-1	13808	14097	14053	13986	1.12	cps
Selenium	77-2	357	340	300	332	8.77	cps
Selenium	78-2	1143	1192	1166	1167	2.10	cps
Silicon	28-1	1250148	1270979	1419471	1313533	7.03	cps
Silver	107-1	886984	922878	931670	913844	2.59	cps
Silver	109-1	855018	879663	877659	870780	1.57	cps
Sodium	23-2	2317043	2334957	2276911	2309637	1.29	cps
Strontium	86-1	2339524	2460576	2388380	2396160	2.54	cps
Strontium	88-1	19914353	20482192	20462125	20286223	1.59	cps
Sulfur	34-1	569754	566759	562889	566467	0.61	cps
Terbium	159-1	15718020	15717277	15480013	15638437	0.88	cps
Terbium	159-2	4892841	4788040	4865541	4848807	1.12	cps
Thallium	203-1	520774	535306	540677	532252	1.93	cps
Thallium	205-1	1270545	1266324	1302791	1279887	1.56	cps
Tin	118-1	554550	585848	570022	570140	2.74	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S3	Instrumnet Name :	P8
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:22:27	DataFile Name :	006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	586399	617026	615168	606198	2.83	cps
Uranium	238-1	1641929	1698222	1737153	1692435	2.83	cps
Vanadium	51-2	130821	129338	126940	129033	1.52	cps
Ytterbium	172-1	25	58	58	47	40.75	cps
Ytterbium	172-2	17	33	22	24	35.24	cps
Ytterbium	176-1	4201	4476	4434	4370	3.39	cps
Ytterbium	176-2	2995	3006	3223	3074	4.18	cps
Yttrium	89-1	31809023	32321694	32378796	32169838	0.98	cps
Yttrium	89-2	2751278	2782307	2801034	2778206	0.90	cps
Zinc	66-2	255361	251306	250919	252529	0.97	cps
Zirconium	90-1	1255121	1283527	1297453	1278700	1.69	cps
Zirconium	91-1	281106	283487	288920	284504	1.41	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:25:31 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	201244	201217	201492	201318	0.08	cps
Antimony	121-1	1457490	1441739	1485674	1461634	1.52	cps
Arsenic	75-2	35705	36118	35720	35848	0.65	cps
Barium	135-1	2045102	1977408	2015023	2012511	1.69	cps
Barium	137-1	3402632	3357726	3457317	3405892	1.46	cps
Beryllium	9-1	513158	511818	518248	514408	0.66	cps
Bismuth	209-1	8664399	8617062	8249585	8510349	2.67	cps
Bismuth	209-2	3289121	3291723	3380188	3320344	1.56	cps
Boron	10-1	56425	60504	62124	59684	4.92	cps
Boron	11-1	259807	276999	290754	275853	5.62	cps
Bromine	81-1	33385	33043	34026	33485	1.49	cps
Cadmium	111-1	434475	436946	451839	441087	2.13	cps
Cadmium	106-1	55814	57128	56282	56408	1.18	cps
Cadmium	108-1	32417	31453	33332	32401	2.90	cps
Calcium	43-1	707147	707555	717902	710868	0.86	cps
Calcium	44-1	11313438	11171640	11441261	11308779	1.19	cps
Carbon	12-1	7949134	7831887	7912815	7897945	0.76	cps
Carbon	12-2	72897	73308	73961	73389	0.73	cps
Chlorine	35-1	1444327	1417663	1395100	1419030	1.74	cps
Chlorine	35-2	9053	9403	8603	9020	4.45	cps
Chromium	52-2	389454	394155	392300	391970	0.60	cps
Cobalt	59-2	681806	683306	682290	682467	0.11	cps
Copper	63-2	5399181	5347906	5391362	5379483	0.51	cps
Dysprosium	156-1	83	67	67	72	13.33	cps
Dysprosium	156-2	23	30	30	28	13.86	cps
Erbium	164-1	192	92	67	117	56.69	cps
Erbium	164-2	27	30	43	33	26.45	cps
Gadolinium	160-1	217	283	242	247	13.62	cps
Gadolinium	160-2	90	67	70	76	16.70	cps
Holmium	165-1	14984938	15009429	14028816	14674394	3.81	cps
Holmium	165-2	4801898	4789873	4952811	4848194	1.87	cps
Indium	115-1	13440283	13280663	12513082	13078009	3.79	cps
Indium	115-2	1574272	1564803	1578617	1572564	0.45	cps
Iron	54-2	880240	871547	886965	879584	0.88	cps
Iron	56-2	16006406	15809539	15748352	15854766	0.85	cps
Iron	57-2	390635	394273	386756	390555	0.96	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S4 Instrumnet Name : P8
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:25:31 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	910	803	933	882	7.86	cps
Lead	206-1	5610171	5793386	5823790	5742449	2.01	cps
Lead	207-1	5044580	5029549	5106098	5060075	0.80	cps
Lead	208-1	22433722	22600085	23257597	22763801	1.91	cps
Lithium	6-1	5967978	5872762	5396287	5745676	5.33	cps
Magnesium	24-2	2884559	2879613	2940174	2901449	1.16	cps
Manganese	55-2	2052986	2047772	2040710	2047156	0.30	cps
Molybdenum	94-1	3619055	3697449	3680594	3665699	1.13	cps
Molybdenum	95-1	4422119	4478861	4476799	4459260	0.72	cps
Molybdenum	96-1	4956320	4922089	4942113	4940174	0.35	cps
Molybdenum	97-1	2741928	2768098	2812770	2774265	1.29	cps
Molybdenum	98-1	7094952	6941608	7217546	7084702	1.95	cps
Neodymium	150-1	100	107	87	98	10.41	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	188687	186811	187172	187557	0.53	cps
Phosphorus	31-2	7344	7127	6894	7121	3.16	cps
Potassium	39-2	1175737	1191829	1194111	1187225	0.84	cps
Rhodium	103-1	13015219	12794084	12270479	12693260	3.01	cps
Rhodium	103-2	4326676	4329791	4487824	4381431	2.10	cps
Scandium	45-1	10277394	10249928	9756917	10094746	2.90	cps
Scandium	45-2	244854	243920	254709	247828	2.41	cps
Selenium	82-1	33798	34016	34628	34147	1.26	cps
Selenium	77-2	750	797	763	770	3.12	cps
Selenium	78-2	2636	2718	2647	2667	1.67	cps
Silicon	28-1	2030255	2041070	2045344	2038890	0.38	cps
Silver	107-1	2313749	2307497	2316946	2312731	0.21	cps
Silver	109-1	2166081	2095863	2204660	2155535	2.56	cps
Sodium	23-2	5444401	5423550	5484913	5450955	0.57	cps
Strontium	86-1	5711673	5652840	5894795	5753103	2.19	cps
Strontium	88-1	49919277	49316793	50817683	50017918	1.51	cps
Sulfur	34-1	643772	632832	634797	637134	0.92	cps
Terbium	159-1	16222683	15977024	14719139	15639615	5.16	cps
Terbium	159-2	4915141	4834866	5064086	4938031	2.36	cps
Thallium	203-1	1349856	1340841	1383864	1358187	1.67	cps
Thallium	205-1	3250671	3319414	3338938	3303008	1.40	cps
Tin	118-1	1374737	1382955	1396541	1384744	0.80	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S4	Instrumnet Name :	P8
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:25:31	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	1446800	1463941	1486876	1465872	1.37	cps
Uranium	238-1	4146125	4265327	4335647	4249033	2.25	cps
Vanadium	51-2	309736	310321	314507	311521	0.84	cps
Ytterbium	172-1	92	67	108	89	23.59	cps
Ytterbium	172-2	17	28	28	24	26.64	cps
Ytterbium	176-1	7811	8186	7986	7994	2.35	cps
Ytterbium	176-2	3940	4306	4273	4173	4.86	cps
Yttrium	89-1	32642805	31632199	30660032	31645012	3.13	cps
Yttrium	89-2	2753775	2701988	2845579	2767114	2.63	cps
Zinc	66-2	601876	603323	594515	599905	0.79	cps
Zirconium	90-1	3122345	3169113	3175797	3155752	0.92	cps
Zirconium	91-1	685030	690214	702591	692612	1.30	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S5 Instrumnet Name : P8
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:28:37 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	399862	408196	408808	405622	1.23	cps
Antimony	121-1	3040578	3061964	3007938	3036827	0.90	cps
Arsenic	75-2	71824	73718	73207	72917	1.34	cps
Barium	135-1	4158716	4091361	3975419	4075165	2.28	cps
Barium	137-1	7187515	6895705	6826903	6970041	2.75	cps
Beryllium	9-1	1012660	1007339	1005818	1008606	0.36	cps
Bismuth	209-1	8956591	8804339	8604417	8788449	2.01	cps
Bismuth	209-2	3356278	3393039	3308655	3352657	1.26	cps
Boron	10-1	115779	120927	123816	120174	3.39	cps
Boron	11-1	535450	562323	583507	560427	4.30	cps
Bromine	81-1	32893	31017	32340	32083	3.00	cps
Cadmium	111-1	886047	862810	884424	877760	1.48	cps
Cadmium	106-1	101859	105916	100414	102730	2.78	cps
Cadmium	108-1	65589	65781	65588	65653	0.17	cps
Calcium	43-1	1441825	1455976	1505066	1467622	2.26	cps
Calcium	44-1	22815395	22374487	23403658	22864513	2.26	cps
Carbon	12-1	8264801	8356588	8553316	8391569	1.76	cps
Carbon	12-2	80236	79171	81670	80359	1.56	cps
Chlorine	35-1	1337706	1309805	1301037	1316183	1.45	cps
Chlorine	35-2	9061	8878	8261	8733	4.80	cps
Chromium	52-2	783760	798405	797681	793282	1.04	cps
Cobalt	59-2	1364232	1403357	1395319	1387636	1.49	cps
Copper	63-2	10786720	10965532	11022993	10925082	1.13	cps
Dysprosium	156-1	183	175	208	189	9.18	cps
Dysprosium	156-2	43	37	60	47	25.75	cps
Erbium	164-1	150	117	125	131	13.29	cps
Erbium	164-2	47	27	47	40	28.87	cps
Gadolinium	160-1	242	267	208	239	12.25	cps
Gadolinium	160-2	107	103	110	107	3.13	cps
Holmium	165-1	15316126	15326273	14879269	15173889	1.68	cps
Holmium	165-2	4945903	4965168	4891670	4934247	0.77	cps
Indium	115-1	13538757	13346477	12480265	13121833	4.30	cps
Indium	115-2	1573157	1569828	1547823	1563603	0.88	cps
Iron	54-2	1832104	1833395	1851363	1838954	0.59	cps
Iron	56-2	31734353	32421708	32340744	32165601	1.17	cps
Iron	57-2	784061	788317	802539	791639	1.22	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:28:37	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	993	893	960	949	5.37	cps
Lead	206-1	11838107	11576241	11966755	11793701	1.69	cps
Lead	207-1	10427932	10083343	10391937	10301071	1.84	cps
Lead	208-1	47550471	46616698	47563303	47243491	1.15	cps
Lithium	6-1	5775981	5636820	5129911	5514237	6.17	cps
Magnesium	24-2	5751069	5899262	5826377	5825569	1.27	cps
Manganese	55-2	3998176	4237701	4093458	4109779	2.93	cps
Molybdenum	94-1	7548562	7459208	7501917	7503229	0.60	cps
Molybdenum	95-1	9176874	9135422	9140786	9151027	0.25	cps
Molybdenum	96-1	9957904	9935613	10027436	9973651	0.48	cps
Molybdenum	97-1	5554826	5636760	5734394	5641993	1.59	cps
Molybdenum	98-1	14527927	14453578	14683903	14555136	0.81	cps
Neodymium	150-1	180	260	160	200	26.46	cps
Neodymium	150-2	7	7	7	7	0.00	cps
Nickel	60-2	374882	377440	380904	377742	0.80	cps
Phosphorus	31-2	13865	14833	14299	14332	3.38	cps
Potassium	39-2	2318168	2374987	2400558	2364571	1.78	cps
Rhodium	103-1	12905747	13065214	12598331	12856430	1.85	cps
Rhodium	103-2	4398105	4363624	4295836	4352522	1.20	cps
Scandium	45-1	10309562	9998875	9753548	10020662	2.78	cps
Scandium	45-2	245620	247441	238639	243900	1.90	cps
Selenium	82-1	68177	68157	69090	68475	0.78	cps
Selenium	77-2	1520	1537	1567	1541	1.53	cps
Selenium	78-2	5410	5457	5414	5427	0.48	cps
Silicon	28-1	3283449	3251304	3305818	3280190	0.84	cps
Silver	107-1	4508662	4703919	4534764	4582448	2.31	cps
Silver	109-1	4441372	4275007	4451540	4389306	2.26	cps
Sodium	23-2	10797269	11167526	11062607	11009134	1.73	cps
Strontium	86-1	11731167	11958386	11867135	11852229	0.96	cps
Strontium	88-1	103415842	103543938	101215804	102725195	1.27	cps
Sulfur	34-1	738182	736509	736440	737044	0.13	cps
Terbium	159-1	16302574	16499982	15355280	16052612	3.81	cps
Terbium	159-2	5028483	5064360	5003154	5031999	0.61	cps
Thallium	203-1	2868621	2917054	2979577	2921751	1.90	cps
Thallium	205-1	6699640	6545505	6919625	6721590	2.80	cps
Tin	118-1	2897855	2909653	2836559	2881355	1.36	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S5	Instrumnet Name :	P8
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:28:37	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	3005661	2900375	2913313	2939783	1.95	cps
Uranium	238-1	8834569	8732485	8957288	8841447	1.27	cps
Vanadium	51-2	621265	633763	639037	631355	1.45	cps
Ytterbium	172-1	75	50	125	83	45.83	cps
Ytterbium	172-2	6	22	0	9	124.87	cps
Ytterbium	176-1	13858	14725	13657	14080	4.03	cps
Ytterbium	176-2	6218	6352	6424	6331	1.65	cps
Yttrium	89-1	32281910	32804662	31159280	32081951	2.62	cps
Yttrium	89-2	2754940	2776896	2721631	2751156	1.01	cps
Zinc	66-2	1204403	1208811	1219426	1210880	0.64	cps
Zirconium	90-1	6509098	6386547	6416718	6437454	0.99	cps
Zirconium	91-1	1505639	1446156	1459876	1470557	2.12	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	788510	778025	781197	782577	0.69	cps
Antimony	121-1	5909943	5940394	5988610	5946316	0.67	cps
Arsenic	75-2	144952	143848	145014	144605	0.45	cps
Barium	135-1	7888073	7887508	8133251	7969611	1.78	cps
Barium	137-1	13262634	13625537	13783153	13557108	1.97	cps
Beryllium	9-1	1878832	1950558	1905993	1911794	1.89	cps
Bismuth	209-1	8769803	8626190	8546897	8647630	1.31	cps
Bismuth	209-2	3232845	3351724	3254429	3279666	1.93	cps
Boron	10-1	224907	236610	241591	234369	3.65	cps
Boron	11-1	988362	984245	1009407	994004	1.36	cps
Bromine	81-1	35131	33073	33595	33933	3.15	cps
Cadmium	111-1	1735712	1729634	1729786	1731711	0.20	cps
Cadmium	106-1	189062	193652	189148	190620	1.38	cps
Cadmium	108-1	124590	126029	125946	125521	0.64	cps
Calcium	43-1	2838040	2882259	2832147	2850815	0.96	cps
Calcium	44-1	43586988	44343052	44459975	44130005	1.07	cps
Carbon	12-1	8558806	8776130	8756860	8697266	1.38	cps
Carbon	12-2	82523	80245	81794	81520	1.43	cps
Chlorine	35-1	1258310	1247259	1226769	1244113	1.29	cps
Chlorine	35-2	8761	7702	8269	8244	6.43	cps
Chromium	52-2	1635832	1581189	1610865	1609295	1.70	cps
Cobalt	59-2	2781379	2701397	2761656	2748144	1.52	cps
Copper	63-2	21173646	20668225	21153386	20998419	1.36	cps
Dysprosium	156-1	317	392	283	331	16.78	cps
Dysprosium	156-2	87	93	107	96	10.66	cps
Erbium	164-1	125	92	133	117	18.90	cps
Erbium	164-2	40	43	43	42	4.55	cps
Gadolinium	160-1	367	342	433	381	12.45	cps
Gadolinium	160-2	110	173	150	144	22.18	cps
Holmium	165-1	14841267	15582288	15234477	15219344	2.44	cps
Holmium	165-2	4920652	4867860	4791203	4859905	1.34	cps
Indium	115-1	13439531	13352187	13312193	13367970	0.49	cps
Indium	115-2	1552155	1517001	1566674	1545277	1.65	cps
Iron	54-2	3581688	3514184	3576118	3557330	1.05	cps
Iron	56-2	63414440	63469156	62138767	63007454	1.19	cps
Iron	57-2	1616526	1592030	1594317	1600958	0.85	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S6 Instrumnet Name : P8
 Client Sample ID : S6 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:31:39 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	927	937	940	934	0.74	cps
Lead	206-1	23149858	23135651	22273110	22852873	2.20	cps
Lead	207-1	19400841	20101396	19338125	19613454	2.16	cps
Lead	208-1	90473060	91678126	88338774	90163320	1.88	cps
Lithium	6-1	5384247	5602004	5472076	5486109	2.00	cps
Magnesium	24-2	11405756	11080789	11407576	11298040	1.67	cps
Manganese	55-2	8117418	8097180	8000381	8071660	0.77	cps
Molybdenum	94-1	14366462	14508274	14826594	14567110	1.62	cps
Molybdenum	95-1	17496696	17967384	17936016	17800032	1.48	cps
Molybdenum	96-1	19492512	19406845	19657528	19518962	0.65	cps
Molybdenum	97-1	10894167	10791762	11014450	10900126	1.02	cps
Molybdenum	98-1	28050994	28937418	28461792	28483402	1.56	cps
Neodymium	150-1	320	393	293	336	15.43	cps
Neodymium	150-2	10	33	20	21	55.45	cps
Nickel	60-2	733840	725642	740173	733218	0.99	cps
Phosphorus	31-2	28161	26984	28028	27724	2.32	cps
Potassium	39-2	4672805	4634746	4545842	4617798	1.41	cps
Rhodium	103-1	12288348	12811593	12717354	12605765	2.21	cps
Rhodium	103-2	4242645	4334955	4324996	4300865	1.18	cps
Scandium	45-1	9969992	10196007	10084375	10083458	1.12	cps
Scandium	45-2	243562	247003	247402	245989	0.86	cps
Selenium	82-1	131225	133868	133885	132993	1.15	cps
Selenium	77-2	3040	2864	3054	2986	3.55	cps
Selenium	78-2	10405	10280	10388	10358	0.66	cps
Silicon	28-1	5921163	6296187	6369235	6195528	3.88	cps
Silver	107-1	8755517	8874180	8775210	8801636	0.72	cps
Silver	109-1	8216300	8443278	8312905	8324161	1.37	cps
Sodium	23-2	21466308	21151602	21422908	21346939	0.80	cps
Strontium	86-1	22899277	23196450	22993864	23029863	0.66	cps
Strontium	88-1	196875792	198754104	200645096	198758331	0.95	cps
Sulfur	34-1	983559	970473	984741	979591	0.81	cps
Terbium	159-1	16221867	16395177	16096699	16237914	0.92	cps
Terbium	159-2	4902860	4973518	4993263	4956547	0.96	cps
Thallium	203-1	5724018	5554562	5661765	5646782	1.52	cps
Thallium	205-1	13051063	13334197	12919727	13101662	1.62	cps
Tin	118-1	5527960	5575624	5606805	5570130	0.71	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S6	Instrumnet Name :	P8
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:31:39	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	5616301	5668724	5702408	5662477	0.77	cps
Uranium	238-1	17040487	17000623	16881272	16974127	0.49	cps
Vanadium	51-2	1249741	1229216	1238048	1239002	0.83	cps
Ytterbium	172-1	42	75	25	47	53.91	cps
Ytterbium	172-2	17	11	39	22	66.14	cps
Ytterbium	176-1	25617	25267	25910	25598	1.26	cps
Ytterbium	176-2	9593	9648	9965	9735	2.06	cps
Yttrium	89-1	31869894	32176006	32709709	32251870	1.32	cps
Yttrium	89-2	2716021	2746367	2792844	2751744	1.41	cps
Zinc	66-2	2433766	2398837	2367238	2399947	1.39	cps
Zirconium	90-1	12413853	12328964	12601638	12448151	1.12	cps
Zirconium	91-1	2780788	2826982	2887131	2831634	1.88	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:34:45	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1574234	1623667	1582344	1593415	1.66	cps
Antimony	121-1	11917716	12103892	12043198	12021602	0.79	cps
Arsenic	75-2	291205	290571	290960	290912	0.11	cps
Barium	135-1	16022596	16354161	16137108	16171288	1.04	cps
Barium	137-1	27571136	27903461	27523956	27666184	0.75	cps
Beryllium	9-1	3693073	3674810	3563833	3643905	1.92	cps
Bismuth	209-1	8327450	8266882	8491586	8361973	1.39	cps
Bismuth	209-2	3310764	3327755	3370667	3336395	0.93	cps
Boron	10-1	446786	465931	475093	462603	3.12	cps
Boron	11-1	1916735	2008966	1930546	1952082	2.55	cps
Bromine	81-1	34217	33344	33655	33739	1.31	cps
Cadmium	111-1	3481432	3416460	3409019	3435637	1.16	cps
Cadmium	106-1	375932	372574	374224	374244	0.45	cps
Cadmium	108-1	255223	250602	258713	254846	1.60	cps
Calcium	43-1	5665662	5659810	5627505	5650992	0.36	cps
Calcium	44-1	88985020	89386999	89492486	89288168	0.30	cps
Carbon	12-1	9204237	9271630	9145955	9207274	0.68	cps
Carbon	12-2	87326	88348	88558	88078	0.75	cps
Chlorine	35-1	1315836	1276967	1256654	1283153	2.34	cps
Chlorine	35-2	8978	8378	8127	8494	5.15	cps
Chromium	52-2	3257536	3201931	3243844	3234437	0.90	cps
Cobalt	59-2	5568770	5579408	5485534	5544571	0.93	cps
Copper	63-2	42491924	41885934	42525408	42301089	0.85	cps
Dysprosium	156-1	650	633	675	653	3.21	cps
Dysprosium	156-2	157	153	167	159	4.37	cps
Erbium	164-1	125	267	183	192	37.15	cps
Erbium	164-2	53	67	60	60	11.12	cps
Gadolinium	160-1	608	583	717	636	11.14	cps
Gadolinium	160-2	217	207	293	239	19.85	cps
Holmium	165-1	14815256	14914522	15058755	14929511	0.82	cps
Holmium	165-2	5105072	5018145	4960550	5027923	1.45	cps
Indium	115-1	13261026	12981013	13257005	13166348	1.22	cps
Indium	115-2	1579833	1578287	1581840	1579987	0.11	cps
Iron	54-2	7036180	6990895	7116667	7047914	0.90	cps
Iron	56-2	127029286	127702400	126659628	127130438	0.42	cps
Iron	57-2	3215784	3213021	3268938	3232581	0.97	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S7 Instrumnet Name : P8
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:34:45 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1067	1047	1023	1046	2.07	cps
Lead	206-1	45111940	46102770	46633498	45949403	1.68	cps
Lead	207-1	39882331	40405051	39680781	39989388	0.93	cps
Lead	208-1	179906362	182111121	181608201	181208561	0.64	cps
Lithium	6-1	5226149	5095105	5178040	5166431	1.28	cps
Magnesium	24-2	22173502	22957646	22568744	22566631	1.74	cps
Manganese	55-2	16383029	16351463	16213666	16316052	0.55	cps
Molybdenum	94-1	30015189	30333493	30118928	30155870	0.54	cps
Molybdenum	95-1	36665786	36968633	36570959	36735126	0.57	cps
Molybdenum	96-1	40403048	41193248	40775086	40790461	0.97	cps
Molybdenum	97-1	22317195	23007811	22790069	22705025	1.56	cps
Molybdenum	98-1	57749839	60756474	59145158	59217157	2.54	cps
Neodymium	150-1	687	733	740	720	4.04	cps
Neodymium	150-2	27	40	50	39	30.10	cps
Nickel	60-2	1540952	1543920	1532172	1539014	0.40	cps
Phosphorus	31-2	55097	56980	54620	55566	2.25	cps
Potassium	39-2	9119725	9196524	9456779	9257676	1.91	cps
Rhodium	103-1	12353730	12666811	12826107	12615549	1.90	cps
Rhodium	103-2	4342183	4362032	4341501	4348572	0.27	cps
Scandium	45-1	9920898	9877335	10235374	10011202	1.95	cps
Scandium	45-2	253253	256448	251965	253888	0.91	cps
Selenium	82-1	264492	265918	268689	266367	0.80	cps
Selenium	77-2	6005	5875	6148	6009	2.28	cps
Selenium	78-2	20390	20548	20421	20453	0.41	cps
Silicon	28-1	10897590	11342027	11036215	11091944	2.05	cps
Silver	107-1	17589213	17652541	18040283	17760679	1.37	cps
Silver	109-1	16808762	16932159	16603394	16781438	0.99	cps
Sodium	23-2	42910208	42509723	42858345	42759425	0.51	cps
Strontium	86-1	46225708	46492493	47577276	46765159	1.53	cps
Strontium	88-1	404259217	399125809	413500126	405628384	1.80	cps
Sulfur	34-1	1293861	1291756	1254609	1280075	1.72	cps
Terbium	159-1	15870822	15901557	16721670	16164683	2.99	cps
Terbium	159-2	5026494	5024359	5055947	5035600	0.35	cps
Thallium	203-1	10996264	11364320	11584421	11315002	2.63	cps
Thallium	205-1	25940978	26166768	26470747	26192831	1.01	cps
Tin	118-1	11380090	11377870	11268404	11342121	0.56	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S7	Instrumnet Name :	P8
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:34:45	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	11355211	11648149	11755923	11586428	1.79	cps
Uranium	238-1	34744926	34605559	34196790	34515758	0.83	cps
Vanadium	51-2	2528271	2576375	2590323	2564990	1.27	cps
Ytterbium	172-1	42	83	50	58	37.80	cps
Ytterbium	172-2	33	17	6	19	75.47	cps
Ytterbium	176-1	49444	49870	49778	49698	0.45	cps
Ytterbium	176-2	17812	18408	17545	17922	2.46	cps
Yttrium	89-1	32105628	32037883	33029405	32390972	1.71	cps
Yttrium	89-2	2820493	2851356	2861510	2844453	0.75	cps
Zinc	66-2	4628224	4701341	4830274	4719946	2.17	cps
Zirconium	90-1	25887693	25513595	26446978	25949422	1.81	cps
Zirconium	91-1	5779577	5711122	5798879	5763193	0.80	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : S8 Instrumnet Name : P8
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:37:49 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8095241	8146818	8101360	8114473	0.35	cps
Antimony	121-1	6752	6719	7219	6896	4.06	cps
Arsenic	75-2	91	111	126	109	16.06	cps
Barium	135-1	6643	6385	5851	6293	6.42	cps
Barium	137-1	11455	11013	10921	11130	2.56	cps
Beryllium	9-1	384	342	310	345	10.75	cps
Bismuth	209-1	7660901	7607466	7460139	7576169	1.37	cps
Bismuth	209-2	3288175	3017537	2980500	3095404	5.43	cps
Boron	10-1	40896	36624	33796	37106	9.63	cps
Boron	11-1	187967	172396	157428	172597	8.85	cps
Bromine	81-1	33434	32862	34538	33612	2.54	cps
Cadmium	111-1	7771	6851	7142	7255	6.48	cps
Cadmium	106-1	9629	8570	8987	9062	5.89	cps
Cadmium	108-1	242	271	171	228	22.58	cps
Calcium	43-1	24255579	24847833	24902428	24668613	1.45	cps
Calcium	44-1	406445375	404350967	407755281	406183874	0.42	cps
Carbon	12-1	10918943	10996804	11147174	11020974	1.05	cps
Carbon	12-2	112454	114512	111178	112714	1.49	cps
Chlorine	35-1	1570355	1544142	1534064	1549520	1.21	cps
Chlorine	35-2	11063	10246	10788	10699	3.89	cps
Chromium	52-2	11391	11381	11648	11474	1.32	cps
Cobalt	59-2	12512	12195	12936	12548	2.96	cps
Copper	63-2	10467	10180	10097	10248	1.90	cps
Dysprosium	156-1	2200	2175	2600	2325	10.26	cps
Dysprosium	156-2	660	733	767	720	7.58	cps
Erbium	164-1	425	408	308	381	16.58	cps
Erbium	164-2	167	167	133	156	12.37	cps
Gadolinium	160-1	1975	2325	2100	2134	8.31	cps
Gadolinium	160-2	803	850	870	841	4.07	cps
Holmium	165-1	15449488	14658218	14939700	15015802	2.67	cps
Holmium	165-2	5472953	4799035	4964854	5078947	6.91	cps
Indium	115-1	12817986	12826583	12607316	12750628	0.97	cps
Indium	115-2	1690367	1580504	1509952	1593608	5.71	cps
Iron	54-2	33144749	33423233	33063078	33210353	0.57	cps
Iron	56-2	613471458	607845147	605363947	608893517	0.68	cps
Iron	57-2	14952852	15174229	15148449	15091843	0.80	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:37:49	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	913	1023	1043	993	7.05	cps
Lead	206-1	16338	15838	16188	16121	1.59	cps
Lead	207-1	14503	14241	14180	14308	1.20	cps
Lead	208-1	66446	63556	63684	64562	2.53	cps
Lithium	6-1	5114052	5003488	5237959	5118500	2.29	cps
Magnesium	24-2	112813807	111237336	113993698	112681614	1.23	cps
Manganese	55-2	20348	20505	20572	20475	0.56	cps
Molybdenum	94-1	12247	11931	11605	11928	2.69	cps
Molybdenum	95-1	11639	11580	10704	11308	4.63	cps
Molybdenum	96-1	33041	33391	31896	32776	2.39	cps
Molybdenum	97-1	7577	7069	7169	7272	3.71	cps
Molybdenum	98-1	17920	16919	16043	16961	5.54	cps
Neodymium	150-1	93	87	127	102	20.96	cps
Neodymium	150-2	10	17	20	16	32.73	cps
Nickel	60-2	5518	5708	5631	5619	1.70	cps
Phosphorus	31-2	217	192	125	178	26.65	cps
Potassium	39-2	47426735	46662504	47018856	47036032	0.81	cps
Rhodium	103-1	11889927	11626499	11754628	11757018	1.12	cps
Rhodium	103-2	4429715	4195247	4039665	4221542	4.65	cps
Scandium	45-1	10587744	10039646	10471943	10366444	2.79	cps
Scandium	45-2	273481	252402	255262	260382	4.39	cps
Selenium	82-1	337	310	304	317	5.49	cps
Selenium	77-2	7	10	0	6	91.64	cps
Selenium	78-2	96	116	117	110	10.80	cps
Silicon	28-1	1227510	1264199	1270659	1254123	1.86	cps
Silver	107-1	4559	4709	3942	4404	9.23	cps
Silver	109-1	4651	4476	4076	4401	6.70	cps
Sodium	23-2	214753630	219386088	217316697	217152138	1.07	cps
Strontium	86-1	33683	34076	32814	33524	1.93	cps
Strontium	88-1	275979	280627	275887	277497	0.98	cps
Sulfur	34-1	389326	393055	392374	391585	0.51	cps
Terbium	159-1	15988357	15831384	15864059	15894600	0.52	cps
Terbium	159-2	5377304	5105163	5082060	5188176	3.16	cps
Thallium	203-1	2092	2200	1684	1992	13.68	cps
Thallium	205-1	5468	5201	5018	5229	4.33	cps
Tin	118-1	5910	5810	5876	5865	0.87	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	S8	Instrumnet Name :	P8
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:37:49	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	2134	1925	2075	2045	5.26	cps
Uranium	238-1	3292	3100	3009	3134	4.62	cps
Vanadium	51-2	460	437	337	411	15.94	cps
Ytterbium	172-1	250	250	117	206	37.45	cps
Ytterbium	172-2	72	78	72	74	4.33	cps
Ytterbium	176-1	2117	2292	2184	2197	4.02	cps
Ytterbium	176-2	2395	2167	2272	2278	5.00	cps
Yttrium	89-1	32814512	32477514	32385556	32559194	0.69	cps
Yttrium	89-2	3131664	2903159	2836607	2957143	5.23	cps
Zinc	66-2	16710	17267	16687	16888	1.95	cps
Zirconium	90-1	12472	12748	12831	12684	1.48	cps
Zirconium	91-1	2742	2892	2892	2842	3.05	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICV45 Instrumnet Name : P8
 Client Sample ID : ICV45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:55:52 DataFile Name : 012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	44090	42342	42337	42923	2.35	cps
Antimony	121-1	2580038	2547346	2551039	2559474	0.70	cps
Arsenic	75-2	64581	62940	62417	63313	1.78	cps
Barium	135-1	345579	348666	336514	343586	1.84	cps
Barium	137-1	595300	598372	596266	596646	0.26	cps
Beryllium	9-1	402336	399638	394284	398753	1.03	cps
Bismuth	209-1	8895475	9090589	9102355	9029473	1.29	cps
Bismuth	209-2	3247215	3351981	3335226	3311474	1.70	cps
Boron	10-1	29935	30782	32351	31023	3.95	cps
Boron	11-1	138851	143756	144816	142474	2.23	cps
Bromine	81-1	33595	34679	34950	34408	2.08	cps
Cadmium	111-1	379750	387036	385515	384100	1.00	cps
Cadmium	106-1	44297	47383	45484	45721	3.40	cps
Cadmium	108-1	30133	29979	30855	30322	1.54	cps
Calcium	43-1	109360	107634	108702	108566	0.80	cps
Calcium	44-1	1836175	1901875	1830619	1856223	2.14	cps
Carbon	12-1	7997737	8041011	8225261	8088003	1.49	cps
Carbon	12-2	74465	74782	74087	74445	0.47	cps
Chlorine	35-1	1926714	1845301	1814837	1862284	3.11	cps
Chlorine	35-2	12598	11597	10346	11513	9.80	cps
Chromium	52-2	351257	336530	334198	340662	2.72	cps
Cobalt	59-2	607603	587995	584208	593269	2.12	cps
Copper	63-2	459764	446176	441473	449138	2.11	cps
Dysprosium	156-1	0	58	17	25	120.18	cps
Dysprosium	156-2	7	3	7	6	34.70	cps
Erbium	164-1	58	133	108	100	38.19	cps
Erbium	164-2	43	23	33	33	30.00	cps
Gadolinium	160-1	158	83	150	131	31.48	cps
Gadolinium	160-2	33	70	60	54	34.82	cps
Holmium	165-1	15943448	16086233	15594497	15874726	1.59	cps
Holmium	165-2	4832875	4936445	4797465	4855595	1.49	cps
Indium	115-1	13799642	14258481	14412888	14157003	2.25	cps
Indium	115-2	1618562	1669550	1598257	1628790	2.26	cps
Iron	54-2	308132	296415	299329	301292	2.02	cps
Iron	56-2	5333919	5352136	5350913	5345656	0.19	cps
Iron	57-2	131938	130138	129706	130594	0.91	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICV45 Instrumnet Name : P8
 Client Sample ID : ICV45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 11:55:52 DataFile Name : 012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1140	887	1097	1041	13.02	cps
Lead	206-1	2192351	2190603	2107591	2163515	2.24	cps
Lead	207-1	1798056	1892050	1825921	1838676	2.63	cps
Lead	208-1	8303064	8702075	8325691	8443610	2.65	cps
Lithium	6-1	5587167	5555001	5593062	5578410	0.37	cps
Magnesium	24-2	289034	283675	276741	283150	2.18	cps
Manganese	55-2	175731	169082	166699	170504	2.75	cps
Molybdenum	94-1	12211692	12111649	12049935	12124425	0.67	cps
Molybdenum	95-1	20776542	20554183	20300006	20543577	1.16	cps
Molybdenum	96-1	22084115	22201891	21914368	22066791	0.66	cps
Molybdenum	97-1	12765479	12499271	12438369	12567706	1.38	cps
Molybdenum	98-1	32811636	32477154	32619551	32636114	0.51	cps
Neodymium	150-1	27	20	20	22	17.33	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	164904	160370	160963	162079	1.52	cps
Phosphorus	31-2	167	183	167	172	5.59	cps
Potassium	39-2	414825	400423	401573	405607	1.97	cps
Rhodium	103-1	13960709	14063763	14084986	14036486	0.47	cps
Rhodium	103-2	4462778	4684486	4376314	4507859	3.53	cps
Scandium	45-1	10937727	10856115	10493388	10762410	2.20	cps
Scandium	45-2	253853	260244	252472	255523	1.62	cps
Selenium	82-1	59393	59696	60043	59711	0.55	cps
Selenium	77-2	1427	1277	1320	1341	5.76	cps
Selenium	78-2	4728	4626	4594	4650	1.51	cps
Silicon	28-1	909518	1012234	1070109	997287	8.16	cps
Silver	107-1	930364	936111	950433	938969	1.10	cps
Silver	109-1	922649	903431	898627	908236	1.40	cps
Sodium	23-2	965522	936692	931865	944693	1.93	cps
Strontium	86-1	289250	289833	294400	291161	0.97	cps
Strontium	88-1	2570007	2606706	2649125	2608613	1.52	cps
Sulfur	34-1	401773	396773	390156	396234	1.47	cps
Terbium	159-1	16417389	16280743	16427961	16375364	0.50	cps
Terbium	159-2	4844665	5242228	4995234	5027376	3.99	cps
Thallium	203-1	2594254	2545013	2601676	2580315	1.19	cps
Thallium	205-1	6001443	6018131	5909977	5976517	0.97	cps
Tin	118-1	653111	656662	665565	658446	0.97	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICV45	Instrumnet Name :	P8
Client Sample ID :	ICV45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 11:55:52	DataFile Name :	012ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6223007	6330822	6073107	6208979	2.08	cps
Uranium	238-1	2047397	1964396	1991498	2001097	2.12	cps
Vanadium	51-2	273915	260721	262853	265829	2.66	cps
Ytterbium	172-1	50	67	25	47	44.41	cps
Ytterbium	172-2	22	17	22	20	15.73	cps
Ytterbium	176-1	4459	4376	4759	4531	4.45	cps
Ytterbium	176-2	3106	3701	3278	3362	9.10	cps
Yttrium	89-1	33994152	34370544	35126648	34497115	1.67	cps
Yttrium	89-2	2841351	2921420	2843232	2868668	1.59	cps
Zinc	66-2	104207	103052	102884	103381	0.70	cps
Zirconium	90-1	1569445	1576581	1575433	1573820	0.24	cps
Zirconium	91-1	344270	347676	341626	344524	0.88	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : LLICV Instrumnet Name : P8
 Client Sample ID : LLICV Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:13:56 DataFile Name : 014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2055	2047	2021	2041	0.87	cps
Antimony	121-1	24848	24890	23905	24548	2.27	cps
Arsenic	75-2	321	314	345	327	4.98	cps
Barium	135-1	33166	34403	31914	33161	3.75	cps
Barium	137-1	57590	59776	55841	57736	3.41	cps
Beryllium	9-1	4344	4544	4066	4318	5.56	cps
Bismuth	209-1	8643096	8616691	8341542	8533776	1.96	cps
Bismuth	209-2	3461615	3552169	3225177	3412987	4.95	cps
Boron	10-1	13830	14442	14749	14340	3.26	cps
Boron	11-1	64647	69411	69904	67987	4.27	cps
Bromine	81-1	34719	35662	34558	34980	1.71	cps
Cadmium	111-1	9410	9720	9030	9387	3.68	cps
Cadmium	106-1	8495	8861	8228	8528	3.73	cps
Cadmium	108-1	404	458	304	389	20.11	cps
Calcium	43-1	29612	29491	27167	28757	4.79	cps
Calcium	44-1	520276	526093	491743	512704	3.59	cps
Carbon	12-1	7314750	7333272	7471750	7373257	1.16	cps
Carbon	12-2	66266	67028	65404	66233	1.23	cps
Chlorine	35-1	1578107	1539224	1426877	1514736	5.18	cps
Chlorine	35-2	10462	9804	10321	10196	3.40	cps
Chromium	52-2	8469	8232	8529	8410	1.87	cps
Cobalt	59-2	6248	6225	6031	6168	1.93	cps
Copper	63-2	9937	9663	9713	9771	1.49	cps
Dysprosium	156-1	17	17	8	14	34.67	cps
Dysprosium	156-2	13	10	3	9	57.30	cps
Erbium	164-1	83	67	42	64	32.83	cps
Erbium	164-2	37	47	23	36	32.93	cps
Gadolinium	160-1	100	125	108	111	11.46	cps
Gadolinium	160-2	40	60	53	51	19.92	cps
Holmium	165-1	14889634	15316976	15209353	15138655	1.47	cps
Holmium	165-2	4976251	5084587	4649378	4903405	4.62	cps
Indium	115-1	13368049	14086456	13456139	13636882	2.87	cps
Indium	115-2	1709809	1735450	1589926	1678395	4.63	cps
Iron	54-2	8886	9053	8931	8957	0.96	cps
Iron	56-2	148958	145630	144262	146283	1.65	cps
Iron	57-2	3517	3684	3512	3571	2.74	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:13:56	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	850	1033	857	913	11.38	cps
Lead	206-1	12267	12829	11294	12130	6.40	cps
Lead	207-1	10849	12196	9515	10853	12.35	cps
Lead	208-1	48848	54228	43445	48840	11.04	cps
Lithium	6-1	5420399	5703709	5374992	5499700	3.24	cps
Magnesium	24-2	127136	125993	126313	126481	0.47	cps
Manganese	55-2	2010	1970	1990	1990	1.01	cps
Molybdenum	94-1	33090	32773	31996	32620	1.73	cps
Molybdenum	95-1	41354	40544	39073	40323	2.87	cps
Molybdenum	96-1	44848	44941	40669	43486	5.61	cps
Molybdenum	97-1	25173	25741	23479	24798	4.75	cps
Molybdenum	98-1	64409	63958	61654	63341	2.33	cps
Neodymium	150-1	20	13	0	11	91.66	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	1850	1827	1963	1880	3.89	cps
Phosphorus	31-2	167	142	208	172	19.56	cps
Potassium	39-2	123795	122039	126283	124039	1.72	cps
Rhodium	103-1	13699814	13970106	13358920	13676280	2.24	cps
Rhodium	103-2	4733406	4666335	4306898	4568880	5.02	cps
Scandium	45-1	10647602	10771992	10504181	10641258	1.26	cps
Scandium	45-2	269600	271568	251967	264378	4.08	cps
Selenium	82-1	1596	1504	1673	1591	5.31	cps
Selenium	77-2	33	33	20	29	26.64	cps
Selenium	78-2	207	191	211	203	5.21	cps
Silicon	28-1	722656	717833	702232	714240	1.49	cps
Silver	107-1	17687	18605	17545	17945	3.21	cps
Silver	109-1	17011	17920	16911	17281	3.22	cps
Sodium	23-2	271076	271442	272313	271611	0.23	cps
Strontium	86-1	8853	8862	6927	8214	13.57	cps
Strontium	88-1	65972	66872	49379	60741	16.22	cps
Sulfur	34-1	429855	435847	434929	433544	0.74	cps
Terbium	159-1	16122809	15948049	15238815	15769891	2.97	cps
Terbium	159-2	5118065	5147245	4896783	5054031	2.71	cps
Thallium	203-1	12223	11914	11547	11895	2.84	cps
Thallium	205-1	28223	29660	27589	28491	3.72	cps
Tin	118-1	59623	60537	57346	59169	2.78	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	LLICV	Instrumnet Name :	P8
Client Sample ID :	LLICV	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:13:56	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	13774	13065	13015	13284	3.20	cps
Uranium	238-1	32300	34038	30796	32378	5.01	cps
Vanadium	51-2	13883	13733	14217	13945	1.78	cps
Ytterbium	172-1	42	92	83	72	37.09	cps
Ytterbium	172-2	6	6	11	7	43.24	cps
Ytterbium	176-1	1934	1967	1892	1931	1.95	cps
Ytterbium	176-2	2400	2523	2339	2421	3.86	cps
Yttrium	89-1	33151860	34350597	33011892	33504783	2.20	cps
Yttrium	89-2	2954863	2997760	2810589	2921071	3.36	cps
Zinc	66-2	1957	2023	2097	2026	3.46	cps
Zirconium	90-1	29081	28613	26918	28204	4.04	cps
Zirconium	91-1	6635	7010	6185	6610	6.25	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICB45 Instrumnet Name : P8
 Client Sample ID : ICB45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:17:00 DataFile Name : 015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	156	164	140	153	7.92	cps
Antimony	121-1	108	300	475	294	62.29	cps
Arsenic	75-2	11	12	14	12	12.39	cps
Barium	135-1	50	417	675	381	82.53	cps
Barium	137-1	133	692	1117	647	76.22	cps
Beryllium	9-1	46	220	280	182	66.78	cps
Bismuth	209-1	8791029	8867175	9079312	8912505	1.68	cps
Bismuth	209-2	3303471	3427101	3358268	3362947	1.84	cps
Boron	10-1	4086	3750	3918	3918	4.29	cps
Boron	11-1	18526	18364	17501	18130	3.04	cps
Bromine	81-1	36144	33946	36385	35491	3.79	cps
Cadmium	111-1	5996	5881	6115	5997	1.95	cps
Cadmium	106-1	8545	8328	8486	8453	1.33	cps
Cadmium	108-1	63	117	125	101	33.47	cps
Calcium	43-1	674	1572	1632	1293	41.54	cps
Calcium	44-1	58035	69305	74606	67315	12.57	cps
Carbon	12-1	7231642	7289640	7409425	7310236	1.24	cps
Carbon	12-2	67271	66350	65388	66336	1.42	cps
Chlorine	35-1	1438669	1399284	1351291	1396415	3.13	cps
Chlorine	35-2	9011	9253	8553	8939	3.98	cps
Chromium	52-2	1270	1237	1253	1253	1.33	cps
Cobalt	59-2	80	80	110	90	19.25	cps
Copper	63-2	1047	923	893	954	8.51	cps
Dysprosium	156-1	17	8	8	11	43.34	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	100	42	67	69	42.14	cps
Erbium	164-2	40	23	43	36	30.14	cps
Gadolinium	160-1	125	142	100	122	17.16	cps
Gadolinium	160-2	33	43	37	38	13.48	cps
Holmium	165-1	15119150	15171441	14644544	14978378	1.94	cps
Holmium	165-2	4805500	4908331	4931218	4881683	1.37	cps
Indium	115-1	13693130	14196031	14046519	13978560	1.85	cps
Indium	115-2	1642828	1682596	1652038	1659154	1.25	cps
Iron	54-2	856	839	706	800	10.28	cps
Iron	56-2	6919	6113	6124	6385	7.24	cps
Iron	57-2	178	222	156	185	18.33	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICB45 Instrumnet Name : P8
 Client Sample ID : ICB45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:17:00 DataFile Name : 015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1037	1040	1053	1043	0.85	cps
Lead	206-1	1739	2956	2823	2506	26.64	cps
Lead	207-1	1467	2829	2373	2223	31.19	cps
Lead	208-1	6890	11688	10853	9810	26.13	cps
Lithium	6-1	5636497	5671720	5647420	5651879	0.32	cps
Magnesium	24-2	492	433	475	467	6.44	cps
Manganese	55-2	167	123	153	148	15.02	cps
Molybdenum	94-1	425	1167	2293	1295	72.63	cps
Molybdenum	95-1	200	992	1450	881	71.82	cps
Molybdenum	96-1	508	967	2092	1189	68.54	cps
Molybdenum	97-1	133	550	942	542	74.64	cps
Molybdenum	98-1	242	1434	2510	1395	81.33	cps
Neodymium	150-1	13	13	7	11	34.61	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	133	130	110	124	10.14	cps
Phosphorus	31-2	167	258	150	192	30.44	cps
Potassium	39-2	23670	23603	22443	23239	2.97	cps
Rhodium	103-1	13454135	14213834	14049951	13905973	2.87	cps
Rhodium	103-2	4496051	4595554	4583845	4558483	1.19	cps
Scandium	45-1	10713748	11036756	10891272	10880592	1.49	cps
Scandium	45-2	257181	266401	267667	263750	2.17	cps
Selenium	82-1	-43	-22	-90	-52	-67.61	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	87	100	96	94	7.06	cps
Silicon	28-1	586992	591235	580636	586288	0.91	cps
Silver	107-1	483	417	442	447	7.53	cps
Silver	109-1	333	342	367	347	5.00	cps
Sodium	23-2	30315	28336	30248	29633	3.79	cps
Strontium	86-1	1517	2375	2167	2020	22.17	cps
Strontium	88-1	733	10932	11764	7809	78.65	cps
Sulfur	34-1	444576	447677	442622	444958	0.57	cps
Terbium	159-1	15783787	15870169	16195249	15949735	1.36	cps
Terbium	159-2	4944667	4970416	5081258	4998780	1.45	cps
Thallium	203-1	608	1133	1100	947	31.04	cps
Thallium	205-1	1442	2459	2309	2070	26.52	cps
Tin	118-1	2275	2317	2584	2392	7.00	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICB45	Instrumnet Name :	P8
Client Sample ID :	ICB45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:17:00	DataFile Name :	015CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	283	600	675	519	40.02	cps
Uranium	238-1	50	725	1534	770	96.53	cps
Vanadium	51-2	27	10	10	16	61.87	cps
Ytterbium	172-1	17	50	117	61	83.32	cps
Ytterbium	172-2	22	0	17	13	89.21	cps
Ytterbium	176-1	2150	2059	2125	2111	2.24	cps
Ytterbium	176-2	1978	2361	2272	2204	9.11	cps
Yttrium	89-1	34073119	33728719	34000932	33934256	0.54	cps
Yttrium	89-2	2833045	2900729	2928095	2887290	1.69	cps
Zinc	66-2	480	433	507	473	7.84	cps
Zirconium	90-1	1375	1592	2100	1689	22.04	cps
Zirconium	91-1	225	325	375	308	24.77	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICSA45 Instrumnet Name : P8
 Client Sample ID : ICSA45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:20:00 DataFile Name : 016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7990461	7986251	7849758	7942157	1.01	cps
Antimony	121-1	13799	13265	13273	13446	2.27	cps
Arsenic	75-2	95	108	92	98	8.65	cps
Barium	135-1	4743	4468	4609	4606	2.99	cps
Barium	137-1	7702	7994	8161	7953	2.92	cps
Beryllium	9-1	1142	1142	1058	1114	4.35	cps
Bismuth	209-1	8408854	8525379	8489456	8474563	0.70	cps
Bismuth	209-2	3280448	3173790	3194920	3216386	1.76	cps
Boron	10-1	3294	3338	3224	3285	1.75	cps
Boron	11-1	16278	15379	14749	15468	4.97	cps
Bromine	81-1	37428	36957	36365	36917	1.44	cps
Cadmium	111-1	7037	7180	7211	7143	1.30	cps
Cadmium	106-1	8319	8328	8236	8294	0.61	cps
Cadmium	108-1	2821	2725	2596	2714	4.16	cps
Calcium	43-1	4993380	5099540	5129861	5074260	1.41	cps
Calcium	44-1	81255178	81780873	81551176	81529076	0.32	cps
Carbon	12-1	46209404	47718648	49123595	47683882	3.06	cps
Carbon	12-2	408294	408227	417528	411350	1.30	cps
Chlorine	35-1	21013016	26865667	31315600	26398094	19.57	cps
Chlorine	35-2	242076	258988	270757	257274	5.60	cps
Chromium	52-2	64170	65600	64943	64904	1.10	cps
Cobalt	59-2	6662	6325	6885	6624	4.26	cps
Copper	63-2	32197	33336	32587	32707	1.77	cps
Dysprosium	156-1	58	67	50	58	14.29	cps
Dysprosium	156-2	13	20	40	24	56.78	cps
Erbium	164-1	133	133	183	150	19.24	cps
Erbium	164-2	27	37	53	39	34.63	cps
Gadolinium	160-1	175	242	133	183	29.81	cps
Gadolinium	160-2	60	53	40	51	19.92	cps
Holmium	165-1	15585435	15005974	15688247	15426552	2.38	cps
Holmium	165-2	5024130	4996367	4940435	4986977	0.85	cps
Indium	115-1	13667017	13337070	13582505	13528864	1.27	cps
Indium	115-2	1638175	1648163	1587169	1624502	2.01	cps
Iron	54-2	14201766	14284141	14434501	14306803	0.82	cps
Iron	56-2	258807434	255041745	257499395	257116191	0.74	cps
Iron	57-2	6470353	6488412	6518484	6492416	0.37	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICSA45 Instrumnet Name : P8
 Client Sample ID : ICSA45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:20:00 DataFile Name : 016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	907	987	933	942	4.32	cps
Lead	206-1	41361	40447	40619	40809	1.19	cps
Lead	207-1	33059	32836	32162	32686	1.43	cps
Lead	208-1	153656	152351	154203	153404	0.62	cps
Lithium	6-1	5640899	5469760	5567031	5559230	1.54	cps
Magnesium	24-2	22716824	22290518	22144471	22383938	1.33	cps
Manganese	55-2	12526	12539	12632	12566	0.46	cps
Molybdenum	94-1	7926939	8133715	8277566	8112740	2.17	cps
Molybdenum	95-1	14189624	14165732	14532184	14295847	1.43	cps
Molybdenum	96-1	15145289	15044005	15250833	15146709	0.68	cps
Molybdenum	97-1	8551582	8778591	8824720	8718298	1.68	cps
Molybdenum	98-1	22635764	22750480	22868201	22751481	0.51	cps
Neodymium	150-1	40	40	87	56	48.50	cps
Neodymium	150-2	10	7	10	9	21.63	cps
Nickel	60-2	8353	8276	8609	8413	2.08	cps
Phosphorus	31-2	451990	460794	453118	455301	1.05	cps
Potassium	39-2	18623275	18519983	18455912	18533057	0.46	cps
Rhodium	103-1	12868879	12884386	12664312	12805859	0.96	cps
Rhodium	103-2	4431220	4444137	4344546	4406635	1.23	cps
Scandium	45-1	10621554	10485585	10390332	10499157	1.11	cps
Scandium	45-2	257548	257648	259987	258394	0.53	cps
Selenium	82-1	209	71	87	122	61.33	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	78	92	96	89	10.66	cps
Silicon	28-1	919597	877266	887838	894900	2.46	cps
Silver	107-1	1217	1000	833	1017	18.91	cps
Silver	109-1	842	825	917	861	5.67	cps
Sodium	23-2	45122465	44266394	44791899	44726919	0.97	cps
Strontium	86-1	164400	163658	167747	165268	1.32	cps
Strontium	88-1	1447555	1452378	1429135	1443023	0.85	cps
Sulfur	34-1	7009319	7286894	7147246	7147820	1.94	cps
Terbium	159-1	16300181	16370626	16113670	16261492	0.82	cps
Terbium	159-2	5041092	5077772	5033337	5050734	0.47	cps
Thallium	203-1	783	825	892	833	6.56	cps
Thallium	205-1	1992	2050	2050	2031	1.66	cps
Tin	118-1	4067	4234	3942	4081	3.59	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSA45	Instrumnet Name :	P8
Client Sample ID :	ICSA45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:20:00	DataFile Name :	016ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4830604	4663244	4696171	4730006	1.87	cps
Uranium	238-1	625	700	600	642	8.11	cps
Vanadium	51-2	363	353	383	367	4.17	cps
Ytterbium	172-1	58	50	25	44	39.04	cps
Ytterbium	172-2	17	11	6	11	49.99	cps
Ytterbium	176-1	1800	1809	1817	1809	0.46	cps
Ytterbium	176-2	2106	2184	2211	2167	2.53	cps
Yttrium	89-1	33294497	33951066	33684412	33643325	0.98	cps
Yttrium	89-2	2838937	2932523	2866787	2879416	1.67	cps
Zinc	66-2	7222	7075	6838	7045	2.75	cps
Zirconium	90-1	1708	1875	1775	1786	4.70	cps
Zirconium	91-1	317	283	425	342	21.68	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICSAB45 Instrumnet Name : P8
 Client Sample ID : ICSAB45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:22:56 DataFile Name : 017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8109900	8010742	7920809	8013817	1.18	cps
Antimony	121-1	249311	249771	252788	250623	0.75	cps
Arsenic	75-2	6066	6133	6081	6093	0.58	cps
Barium	135-1	67854	68172	69001	68343	0.87	cps
Barium	137-1	120309	119551	121082	120314	0.64	cps
Beryllium	9-1	75981	77306	77454	76914	1.05	cps
Bismuth	209-1	8541992	8220268	8548304	8436855	2.22	cps
Bismuth	209-2	3234796	3294384	3208620	3245933	1.35	cps
Boron	10-1	28103	29333	29864	29100	3.10	cps
Boron	11-1	134563	137198	142686	138149	3.00	cps
Bromine	81-1	37318	38784	39226	38443	2.60	cps
Cadmium	111-1	75490	77189	74454	75711	1.82	cps
Cadmium	106-1	18329	17995	17470	17932	2.42	cps
Cadmium	108-1	8186	8332	8394	8304	1.29	cps
Calcium	43-1	5190546	5194834	5202334	5195905	0.11	cps
Calcium	44-1	84298523	83287762	83905614	83830633	0.61	cps
Carbon	12-1	48049275	49196571	50399257	49215034	2.39	cps
Carbon	12-2	423365	426297	425914	425192	0.37	cps
Chlorine	35-1	37577278	42928870	46999586	42501911	11.12	cps
Chlorine	35-2	334672	351511	357861	348015	3.44	cps
Chromium	52-2	131349	129046	126769	129055	1.77	cps
Cobalt	59-2	119282	117255	115215	117251	1.73	cps
Copper	63-2	116756	116792	114060	115869	1.35	cps
Dysprosium	156-1	75	75	92	81	11.95	cps
Dysprosium	156-2	40	10	3	18	109.88	cps
Erbium	164-1	167	125	158	150	14.70	cps
Erbium	164-2	37	40	43	40	8.32	cps
Gadolinium	160-1	292	200	175	222	27.64	cps
Gadolinium	160-2	57	77	57	63	18.23	cps
Holmium	165-1	15949344	15089269	15365126	15467913	2.84	cps
Holmium	165-2	4945589	5131912	4895623	4991041	2.50	cps
Indium	115-1	13917331	13457096	13955361	13776596	2.01	cps
Indium	115-2	1643395	1656369	1640651	1646805	0.51	cps
Iron	54-2	14172616	14148413	13939898	14086976	0.91	cps
Iron	56-2	260866511	258436484	258547811	259283602	0.53	cps
Iron	57-2	6453025	6513656	6340166	6435616	1.37	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : ICSAB45 Instrumnet Name : P8
 Client Sample ID : ICSAB45 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:22:56 DataFile Name : 017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	920	993	1017	977	5.16	cps
Lead	206-1	209879	215074	219532	214828	2.25	cps
Lead	207-1	174866	178522	177848	177079	1.10	cps
Lead	208-1	813975	820786	821390	818717	0.50	cps
Lithium	6-1	5662372	5359311	5679879	5567187	3.24	cps
Magnesium	24-2	22856897	22674199	21987504	22506200	2.04	cps
Manganese	55-2	45553	44569	44322	44815	1.45	cps
Molybdenum	94-1	8912661	9052004	9053836	9006167	0.90	cps
Molybdenum	95-1	14904387	14966671	15400899	15090652	1.79	cps
Molybdenum	96-1	16222508	15926837	16324991	16158112	1.28	cps
Molybdenum	97-1	9301979	9372100	9355454	9343178	0.39	cps
Molybdenum	98-1	23342496	24246496	24217290	23935427	2.15	cps
Neodymium	150-1	93	67	80	80	16.67	cps
Neodymium	150-2	20	13	13	16	24.76	cps
Nickel	60-2	39234	38378	38278	38630	1.36	cps
Phosphorus	31-2	454685	455427	447000	452370	1.03	cps
Potassium	39-2	18735196	18644972	18303179	18561116	1.23	cps
Rhodium	103-1	13509111	12922759	13072095	13167988	2.31	cps
Rhodium	103-2	4471774	4519627	4354960	4448787	1.90	cps
Scandium	45-1	11364299	10544742	10861870	10923637	3.78	cps
Scandium	45-2	259937	261037	259665	260213	0.28	cps
Selenium	82-1	5446	5605	5587	5546	1.57	cps
Selenium	77-2	153	160	130	148	10.66	cps
Selenium	78-2	489	521	464	491	5.81	cps
Silicon	28-1	1421169	1414218	1466495	1433961	1.98	cps
Silver	107-1	338102	335923	339755	337927	0.57	cps
Silver	109-1	315751	324613	319776	320047	1.39	cps
Sodium	23-2	45197700	45343486	43889790	44810325	1.79	cps
Strontium	86-1	432390	441416	438043	437283	1.04	cps
Strontium	88-1	3776699	3793627	3754562	3774963	0.52	cps
Sulfur	34-1	7298710	7325641	7341307	7321886	0.29	cps
Terbium	159-1	17032388	15565254	16283680	16293774	4.50	cps
Terbium	159-2	5168084	5150073	5047151	5121769	1.27	cps
Thallium	203-1	216248	206271	214485	212335	2.51	cps
Thallium	205-1	509219	501555	510680	507151	0.97	cps
Tin	118-1	605325	624285	623415	617675	1.73	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	ICSAB45	Instrumnet Name :	P8
Client Sample ID :	ICSAB45	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:22:56	DataFile Name :	017ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	4908118	4903471	4983968	4931852	0.92	cps
Uranium	238-1	1848343	1900310	1879991	1876215	1.40	cps
Vanadium	51-2	51603	50706	51358	51222	0.90	cps
Ytterbium	172-1	42	42	25	36	26.65	cps
Ytterbium	172-2	17	22	11	17	33.33	cps
Ytterbium	176-1	4526	4368	4476	4456	1.82	cps
Ytterbium	176-2	2939	3139	3006	3028	3.36	cps
Yttrium	89-1	35002822	33167152	34162869	34110948	2.69	cps
Yttrium	89-2	3030654	2920871	2876525	2942683	2.70	cps
Zinc	66-2	16640	16386	15665	16231	3.11	cps
Zirconium	90-1	1428938	1468804	1450062	1449268	1.38	cps
Zirconium	91-1	315917	321194	319090	318734	0.83	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV71	Instrumnet Name :	P8
Client Sample ID :	CCV71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:37:38	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4160309	4144991	4310627	4205309	2.18	cps
Antimony	121-1	5845959	5908420	5917801	5890726	0.66	cps
Arsenic	75-2	154173	152247	156138	154186	1.26	cps
Barium	135-1	8057687	8085529	8151560	8098259	0.60	cps
Barium	137-1	13811650	13786968	14027276	13875298	0.95	cps
Beryllium	9-1	1904218	1922643	1877358	1901406	1.20	cps
Bismuth	209-1	8179673	8021753	8205003	8135477	1.22	cps
Bismuth	209-2	3113946	3277176	3200755	3197292	2.55	cps
Boron	10-1	240074	253379	259046	250833	3.88	cps
Boron	11-1	1032213	1130365	1134454	1099011	5.27	cps
Bromine	81-1	35823	36506	34910	35746	2.24	cps
Cadmium	111-1	1798798	1838586	1859754	1832379	1.69	cps
Cadmium	106-1	196885	198228	199974	198362	0.78	cps
Cadmium	108-1	128295	129343	131735	129791	1.36	cps
Calcium	43-1	13657041	13544289	13829473	13676934	1.05	cps
Calcium	44-1	223150777	226215613	224063287	224476559	0.70	cps
Carbon	12-1	9153894	9367240	9559372	9360169	2.17	cps
Carbon	12-2	87418	88634	88484	88179	0.75	cps
Chlorine	35-1	2994957	2904539	2851910	2917135	2.48	cps
Chlorine	35-2	18729	18712	18404	18615	0.98	cps
Chromium	52-2	1732718	1693937	1729701	1718786	1.26	cps
Cobalt	59-2	2915590	2830306	2925485	2890460	1.81	cps
Copper	63-2	22004302	22059608	22837304	22300405	2.09	cps
Dysprosium	156-1	1283	1092	1375	1250	11.57	cps
Dysprosium	156-2	400	340	353	364	8.64	cps
Erbium	164-1	308	275	300	294	5.89	cps
Erbium	164-2	123	107	73	101	25.18	cps
Gadolinium	160-1	1250	1075	1108	1145	8.12	cps
Gadolinium	160-2	473	467	460	467	1.43	cps
Holmium	165-1	15575361	15638161	15641833	15618452	0.24	cps
Holmium	165-2	4938292	5125170	4988184	5017215	1.93	cps
Indium	115-1	13732859	13940947	13507602	13727136	1.58	cps
Indium	115-2	1607725	1620539	1642391	1623552	1.08	cps
Iron	54-2	18325040	17714702	18187951	18075898	1.77	cps
Iron	56-2	329082696	327859785	332618641	329853707	0.75	cps
Iron	57-2	8277052	8141550	8320648	8246416	1.13	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV71	Instrumnet Name :	P8
Client Sample ID :	CCV71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:37:38	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1117	1067	987	1057	6.21	cps
Lead	206-1	21729903	21733818	23148546	22204089	3.68	cps
Lead	207-1	19006052	19197091	20059899	19421014	2.89	cps
Lead	208-1	86117116	85602603	91155280	87624999	3.50	cps
Lithium	6-1	5770744	5575419	5347333	5564499	3.81	cps
Magnesium	24-2	60218199	59617293	62222718	60686070	2.25	cps
Manganese	55-2	8840764	8733838	8857795	8810799	0.76	cps
Molybdenum	94-1	15717132	15784358	15581804	15694431	0.66	cps
Molybdenum	95-1	18955366	19048421	19376288	19126692	1.16	cps
Molybdenum	96-1	20597580	21002246	21341122	20980316	1.77	cps
Molybdenum	97-1	11659513	11826646	11737798	11741319	0.71	cps
Molybdenum	98-1	30646234	30881172	30454797	30660734	0.70	cps
Neodymium	150-1	460	420	387	422	8.70	cps
Neodymium	150-2	27	27	37	30	19.24	cps
Nickel	60-2	781547	766137	793218	780301	1.74	cps
Phosphorus	31-2	29756	29330	30090	29726	1.28	cps
Potassium	39-2	24965910	24262556	25522804	24917090	2.53	cps
Rhodium	103-1	13335044	13164862	12735377	13078427	2.36	cps
Rhodium	103-2	4321163	4398998	4393572	4371244	0.99	cps
Scandium	45-1	11179027	11220050	11091787	11163621	0.59	cps
Scandium	45-2	263828	265451	272750	267343	1.78	cps
Selenium	82-1	134621	137617	137180	136472	1.19	cps
Selenium	77-2	3157	3170	3087	3138	1.43	cps
Selenium	78-2	10676	10633	11189	10833	2.85	cps
Silicon	28-1	6058301	6457561	6528192	6348018	3.99	cps
Silver	107-1	9060544	9026901	9306043	9131163	1.67	cps
Silver	109-1	8661056	8685409	8753231	8699898	0.55	cps
Sodium	23-2	113667761	110027582	114615132	112770158	2.15	cps
Strontium	86-1	24246984	24575840	24786604	24536476	1.11	cps
Strontium	88-1	209314484	215558246	216409605	213760778	1.81	cps
Sulfur	34-1	990604	996778	903273	963552	5.43	cps
Terbium	159-1	16865207	16329048	16482666	16558974	1.67	cps
Terbium	159-2	5069761	5222428	5129105	5140432	1.50	cps
Thallium	203-1	5406782	5498449	5562667	5489299	1.43	cps
Thallium	205-1	12469717	12356430	13193319	12673155	3.58	cps
Tin	118-1	5525968	5847253	5579801	5651007	3.04	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV71	Instrumnet Name :	P8
Client Sample ID :	CCV71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:37:38	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6219996	6327949	6252085	6266677	0.88	cps
Uranium	238-1	16649977	16432432	17331139	16804516	2.79	cps
Vanadium	51-2	1408175	1351835	1420080	1393364	2.62	cps
Ytterbium	172-1	117	133	117	122	7.87	cps
Ytterbium	172-2	22	56	33	37	45.84	cps
Ytterbium	176-1	24799	25692	26101	25531	2.61	cps
Ytterbium	176-2	9804	10149	10693	10215	4.39	cps
Yttrium	89-1	34659798	34174928	34164332	34333019	0.82	cps
Yttrium	89-2	2926664	2970460	2995030	2964052	1.17	cps
Zinc	66-2	2501432	2463037	2503968	2489479	0.92	cps
Zirconium	90-1	13244370	13710421	13583436	13512742	1.78	cps
Zirconium	91-1	3053115	3110065	3102220	3088467	1.00	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCB71 Instrumnet Name : P8
 Client Sample ID : CCB71 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:44:18 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	215	195	200	203	5.12	cps
Antimony	121-1	1150	1125	1175	1150	2.17	cps
Arsenic	75-2	13	7	10	10	30.00	cps
Barium	135-1	558	225	158	314	68.28	cps
Barium	137-1	833	408	325	522	52.21	cps
Beryllium	9-1	230	116	92	146	50.50	cps
Bismuth	209-1	8775022	8974905	8886993	8878973	1.13	cps
Bismuth	209-2	3437489	3531630	3285593	3418237	3.63	cps
Boron	10-1	9417	9193	8755	9122	3.69	cps
Boron	11-1	43457	42553	41514	42508	2.29	cps
Bromine	81-1	35592	37550	36505	36549	2.68	cps
Cadmium	111-1	5793	6042	5911	5915	2.10	cps
Cadmium	106-1	8044	8486	8228	8253	2.69	cps
Cadmium	108-1	125	46	46	72	63.29	cps
Calcium	43-1	1923	909	930	1254	46.21	cps
Calcium	44-1	87111	69274	68334	74906	14.12	cps
Carbon	12-1	7241477	7289745	7208435	7246552	0.56	cps
Carbon	12-2	63320	63437	63195	63317	0.19	cps
Chlorine	35-1	2181008	2145272	2119670	2148650	1.43	cps
Chlorine	35-2	13707	13782	12881	13457	3.71	cps
Chromium	52-2	1320	1257	1203	1260	4.64	cps
Cobalt	59-2	77	110	70	86	25.05	cps
Copper	63-2	1383	1223	1203	1270	7.77	cps
Dysprosium	156-1	17	0	8	8	100.02	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	58	75	100	78	26.96	cps
Erbium	164-2	47	17	17	27	64.94	cps
Gadolinium	160-1	83	175	175	144	36.64	cps
Gadolinium	160-2	53	60	50	54	9.35	cps
Holmium	165-1	14861109	15304423	15637004	15267512	2.55	cps
Holmium	165-2	5005215	5173417	4717372	4965335	4.64	cps
Indium	115-1	13729938	13896594	14041511	13889348	1.12	cps
Indium	115-2	1660410	1770010	1597052	1675824	5.22	cps
Iron	54-2	928	928	989	948	3.72	cps
Iron	56-2	9464	9292	8736	9164	4.15	cps
Iron	57-2	278	228	322	276	17.12	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB71	Instrumnet Name :	P8
Client Sample ID :	CCB71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:44:18	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	957	980	1000	979	2.22	cps
Lead	206-1	3540	2767	2628	2978	16.49	cps
Lead	207-1	2990	2456	2078	2508	18.26	cps
Lead	208-1	14004	10980	10402	11795	16.40	cps
Lithium	6-1	5459796	5524139	5407743	5463892	1.07	cps
Magnesium	24-2	1092	925	800	939	15.59	cps
Manganese	55-2	153	213	197	188	16.49	cps
Molybdenum	94-1	1950	1000	883	1278	45.80	cps
Molybdenum	95-1	1975	1133	717	1275	50.28	cps
Molybdenum	96-1	2859	1067	1192	1706	58.66	cps
Molybdenum	97-1	1209	583	358	717	61.46	cps
Molybdenum	98-1	3109	1517	1175	1934	53.38	cps
Neodymium	150-1	0	13	27	13	100.01	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	140	143	130	138	5.04	cps
Phosphorus	31-2	183	175	125	161	19.58	cps
Potassium	39-2	27769	28086	28671	28175	1.62	cps
Rhodium	103-1	13973341	13835799	13530505	13779882	1.64	cps
Rhodium	103-2	4683313	4885786	4513693	4694264	3.97	cps
Scandium	45-1	10737003	10916843	10651040	10768295	1.26	cps
Scandium	45-2	264753	272908	254405	264022	3.51	cps
Selenium	82-1	94	50	42	62	45.17	cps
Selenium	77-2	7	0	0	2	173.21	cps
Selenium	78-2	97	98	109	101	6.57	cps
Silicon	28-1	584583	583744	573095	580474	1.10	cps
Silver	107-1	858	742	783	794	7.44	cps
Silver	109-1	767	700	700	722	5.33	cps
Sodium	23-2	46291	45605	45530	45809	0.91	cps
Strontium	86-1	3709	2459	1934	2701	33.78	cps
Strontium	88-1	15380	4517	3992	7963	80.72	cps
Sulfur	34-1	383209	386425	386070	385235	0.46	cps
Terbium	159-1	16125602	16493908	15538708	16052739	3.00	cps
Terbium	159-2	5068429	5201005	4851782	5040405	3.50	cps
Thallium	203-1	1609	1133	1225	1322	19.06	cps
Thallium	205-1	3025	2725	2934	2895	5.31	cps
Tin	118-1	2309	2242	2025	2192	6.76	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB71	Instrumnet Name :	P8
Client Sample ID :	CCB71	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:44:18	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	758	317	250	442	62.55	cps
Uranium	238-1	1009	267	275	517	82.43	cps
Vanadium	51-2	23	13	17	18	28.64	cps
Ytterbium	172-1	33	42	33	36	13.33	cps
Ytterbium	172-2	11	11	22	15	43.30	cps
Ytterbium	176-1	1750	1800	1875	1809	3.48	cps
Ytterbium	176-2	2189	2422	2195	2269	5.87	cps
Yttrium	89-1	33668933	34401712	32730765	33600470	2.49	cps
Yttrium	89-2	2945741	3073119	2814967	2944609	4.38	cps
Zinc	66-2	547	540	563	550	2.18	cps
Zirconium	90-1	2434	1850	1683	1989	19.80	cps
Zirconium	91-1	408	383	275	356	19.93	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:47:58 DataFile Name : 022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2091	2055	1930	2025	4.18	cps
Antimony	121-1	25758	24865	23446	24690	4.72	cps
Arsenic	75-2	325	343	332	333	2.72	cps
Barium	135-1	34528	33317	32356	33400	3.26	cps
Barium	137-1	57950	58411	57900	58087	0.48	cps
Beryllium	9-1	4410	4358	4196	4321	2.58	cps
Bismuth	209-1	9074465	8969256	8633245	8892322	2.59	cps
Bismuth	209-2	3056487	3375989	3246840	3226439	4.98	cps
Boron	10-1	16240	17509	17277	17008	3.97	cps
Boron	11-1	77287	79848	80654	79263	2.22	cps
Bromine	81-1	36505	35391	34699	35532	2.56	cps
Cadmium	111-1	9469	9730	9413	9538	1.77	cps
Cadmium	106-1	9078	9178	8720	8992	2.68	cps
Cadmium	108-1	325	350	321	332	4.75	cps
Calcium	43-1	28467	28622	28166	28419	0.82	cps
Calcium	44-1	514732	518753	510287	514591	0.82	cps
Carbon	12-1	7557217	7631751	7563163	7584044	0.55	cps
Carbon	12-2	66451	66099	67992	66847	1.51	cps
Chlorine	35-1	1990695	1909256	1850226	1916726	3.68	cps
Chlorine	35-2	12347	12214	11522	12027	3.68	cps
Chromium	52-2	8346	8556	8189	8364	2.20	cps
Cobalt	59-2	6385	6108	6105	6199	2.59	cps
Copper	63-2	9710	9233	9527	9490	2.54	cps
Dysprosium	156-1	0	8	25	11	114.58	cps
Dysprosium	156-2	3	3	0	2	86.60	cps
Erbium	164-1	125	92	75	97	26.19	cps
Erbium	164-2	30	17	20	22	31.22	cps
Gadolinium	160-1	108	108	67	94	25.47	cps
Gadolinium	160-2	37	53	30	40	30.04	cps
Holmium	165-1	15445815	15080116	14886505	15137479	1.88	cps
Holmium	165-2	4430083	4859899	4830751	4706911	5.10	cps
Indium	115-1	14676320	13676923	14143627	14165623	3.53	cps
Indium	115-2	1496141	1685586	1701528	1627752	7.02	cps
Iron	54-2	9253	9064	8942	9086	1.73	cps
Iron	56-2	147662	145547	148234	147147	0.96	cps
Iron	57-2	3495	4028	3701	3741	7.19	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CRI Instrumnet Name : P8
 Client Sample ID : CRI Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:47:58 DataFile Name : 022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1050	983	960	998	4.68	cps
Lead	206-1	11294	11316	10955	11188	1.81	cps
Lead	207-1	9854	9848	10071	9924	1.28	cps
Lead	208-1	45488	44848	44325	44887	1.30	cps
Lithium	6-1	5689864	5623350	5467673	5593629	2.04	cps
Magnesium	24-2	125144	126681	124614	125480	0.86	cps
Manganese	55-2	2067	2060	2050	2059	0.41	cps
Molybdenum	94-1	32906	32029	32280	32405	1.39	cps
Molybdenum	95-1	39298	39390	39582	39423	0.37	cps
Molybdenum	96-1	43895	42733	42499	43043	1.74	cps
Molybdenum	97-1	24689	24372	23763	24275	1.94	cps
Molybdenum	98-1	62131	63312	62307	62584	1.02	cps
Neodymium	150-1	13	13	13	13	0.00	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	1827	1867	1877	1857	1.42	cps
Phosphorus	31-2	175	200	217	197	10.63	cps
Potassium	39-2	128982	127116	126408	127502	1.04	cps
Rhodium	103-1	13921566	14036190	13793916	13917224	0.87	cps
Rhodium	103-2	4229973	4562439	4646155	4479522	4.91	cps
Scandium	45-1	11265634	11164219	10939622	11123159	1.50	cps
Scandium	45-2	242822	265199	263213	257078	4.82	cps
Selenium	82-1	1536	1606	1646	1596	3.51	cps
Selenium	77-2	23	40	37	33	26.47	cps
Selenium	78-2	205	207	230	214	6.49	cps
Silicon	28-1	720567	723371	718188	720709	0.36	cps
Silver	107-1	18913	19581	18671	19055	2.47	cps
Silver	109-1	18354	18146	17904	18135	1.24	cps
Sodium	23-2	288972	286500	289209	288227	0.52	cps
Strontium	86-1	7569	7627	7527	7574	0.66	cps
Strontium	88-1	50333	51245	50486	50688	0.96	cps
Sulfur	34-1	403022	408479	406011	405837	0.67	cps
Terbium	159-1	16239746	16484461	15880941	16201716	1.87	cps
Terbium	159-2	4593784	4958025	4962003	4837937	4.37	cps
Thallium	203-1	12465	12473	12298	12412	0.80	cps
Thallium	205-1	28089	27380	26920	27463	2.14	cps
Tin	118-1	60159	59288	59338	59595	0.82	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CRI	Instrumnet Name :	P8
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:47:58	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	13156	12798	12848	12934	1.50	cps
Uranium	238-1	33219	32250	31807	32425	2.23	cps
Vanadium	51-2	13570	14020	13553	13714	1.93	cps
Ytterbium	172-1	58	67	33	53	32.87	cps
Ytterbium	172-2	17	17	17	17	0.00	cps
Ytterbium	176-1	1984	1800	1850	1878	5.05	cps
Ytterbium	176-2	1928	2322	2211	2154	9.44	cps
Yttrium	89-1	35326794	35025105	33838879	34730259	2.26	cps
Yttrium	89-2	2686790	2916543	2890774	2831369	4.45	cps
Zinc	66-2	2187	2047	2044	2092	3.91	cps
Zirconium	90-1	27269	29265	27303	27945	4.09	cps
Zirconium	91-1	6252	5768	6235	6085	4.51	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139732BL Instrumnet Name : P8
 Client Sample ID : PB139732BL Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:50:59 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	177	265	317	253	27.92	cps
Antimony	121-1	350	275	383	336	16.51	cps
Arsenic	75-2	11	19	13	14	29.05	cps
Barium	135-1	92	117	50	86	39.11	cps
Barium	137-1	150	158	158	156	3.10	cps
Beryllium	9-1	78	58	54	63	20.31	cps
Bismuth	209-1	8693462	8326278	9075794	8698511	4.31	cps
Bismuth	209-2	3496800	3372815	3475827	3448481	1.92	cps
Boron	10-1	5540	5680	5366	5529	2.85	cps
Boron	11-1	26773	25805	24814	25798	3.80	cps
Bromine	81-1	37811	37720	36174	37235	2.47	cps
Cadmium	111-1	5884	5776	6092	5917	2.72	cps
Cadmium	106-1	8286	8161	8670	8372	3.17	cps
Cadmium	108-1	42	58	92	64	39.85	cps
Calcium	43-1	762	705	747	738	4.04	cps
Calcium	44-1	65544	64926	65161	65211	0.48	cps
Carbon	12-1	6940305	7008039	6946739	6965028	0.54	cps
Carbon	12-2	59588	61454	60266	60436	1.56	cps
Chlorine	35-1	1770738	1725818	1668789	1721781	2.97	cps
Chlorine	35-2	11547	11305	11513	11455	1.14	cps
Chromium	52-2	1240	1293	1360	1298	4.63	cps
Cobalt	59-2	87	87	247	140	65.98	cps
Copper	63-2	1247	1263	2170	1560	33.88	cps
Dysprosium	156-1	0	8	8	6	86.60	cps
Dysprosium	156-2	7	7	0	4	86.60	cps
Erbium	164-1	75	58	67	67	12.50	cps
Erbium	164-2	33	13	27	24	41.66	cps
Gadolinium	160-1	167	67	133	122	41.66	cps
Gadolinium	160-2	47	23	73	48	52.37	cps
Holmium	165-1	14814949	14140273	14797548	14584257	2.64	cps
Holmium	165-2	4998066	4980721	4941746	4973511	0.58	cps
Indium	115-1	13952381	13244643	13966114	13721046	3.01	cps
Indium	115-2	1738586	1677066	1752199	1722617	2.32	cps
Iron	54-2	878	1145	1517	1180	27.21	cps
Iron	56-2	7569	12025	22106	13900	53.58	cps
Iron	57-2	178	278	617	357	64.37	cps

LB Number :	Ib116754	Operator :	Jaswal
Lab Sample ID :	PB139732BL	Instrumnet Name :	P8
Client Sample ID :	PB139732BL	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:50:59	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1090	1007	1070	1056	4.12	cps
Lead	206-1	2072	2111	2056	2080	1.37	cps
Lead	207-1	1828	1822	2095	1915	8.13	cps
Lead	208-1	8340	8379	8529	8416	1.19	cps
Lithium	6-1	5395953	5059088	5493496	5316179	4.29	cps
Magnesium	24-2	550	942	2578	1356	79.29	cps
Manganese	55-2	157	237	443	279	53.04	cps
Molybdenum	94-1	683	483	533	567	18.37	cps
Molybdenum	95-1	400	383	342	375	8.01	cps
Molybdenum	96-1	517	517	442	492	8.81	cps
Molybdenum	97-1	150	183	200	178	14.32	cps
Molybdenum	98-1	508	467	575	517	10.58	cps
Neodymium	150-1	7	20	20	16	49.47	cps
Neodymium	150-2	3	10	0	4	114.60	cps
Nickel	60-2	147	197	290	211	34.46	cps
Phosphorus	31-2	150	150	242	181	29.32	cps
Potassium	39-2	26734	26734	27293	26920	1.20	cps
Rhodium	103-1	13612969	13178178	14349511	13713553	4.32	cps
Rhodium	103-2	4790518	4654188	4787175	4743960	1.64	cps
Scandium	45-1	10647349	10085133	11225481	10652654	5.35	cps
Scandium	45-2	274522	270036	275604	273387	1.08	cps
Selenium	82-1	-97	50	-56	-34	-220.60	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	93	86	109	96	12.28	cps
Silicon	28-1	579444	590960	598798	589734	1.65	cps
Silver	107-1	667	717	425	603	25.88	cps
Silver	109-1	525	467	483	492	6.11	cps
Sodium	23-2	48615	47645	48741	48333	1.24	cps
Strontium	86-1	1809	1658	1667	1711	4.93	cps
Strontium	88-1	1717	1550	1292	1520	14.09	cps
Sulfur	34-1	416425	422769	420608	419934	0.77	cps
Terbium	159-1	15424346	15102314	16296065	15607575	3.96	cps
Terbium	159-2	5057991	5046823	5149799	5084871	1.11	cps
Thallium	203-1	908	867	925	900	3.34	cps
Thallium	205-1	2309	2117	1917	2114	9.27	cps
Tin	118-1	2084	2125	1942	2050	4.69	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139732BL	Instrumnet Name :	P8
Client Sample ID :	PB139732BL	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:50:59	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	333	250	283	289	14.52	cps
Uranium	238-1	150	58	75	94	51.71	cps
Vanadium	51-2	17	17	73	36	92.00	cps
Ytterbium	172-1	33	50	50	44	21.66	cps
Ytterbium	172-2	22	11	6	13	65.44	cps
Ytterbium	176-1	1917	1767	1992	1892	6.06	cps
Ytterbium	176-2	1900	2067	2250	2072	8.45	cps
Yttrium	89-1	33058255	32763045	35358024	33726441	4.21	cps
Yttrium	89-2	3069406	2991601	3020682	3027230	1.30	cps
Zinc	66-2	587	690	747	674	12.03	cps
Zirconium	90-1	1483	1500	1467	1483	1.12	cps
Zirconium	91-1	242	250	292	261	10.26	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139732BS Instrumnet Name : P8
 Client Sample ID : PB139732BS Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:54:01 DataFile Name : 024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	883818	890333	885629	886593	0.38	cps
Antimony	121-1	6173018	6354451	6253488	6260319	1.45	cps
Arsenic	75-2	159917	161985	160326	160743	0.68	cps
Barium	135-1	8292731	8515894	8672549	8493725	2.25	cps
Barium	137-1	14262266	14416490	14647754	14442170	1.34	cps
Beryllium	9-1	2012422	2059099	1997154	2022892	1.60	cps
Bismuth	209-1	8500635	9055370	8884941	8813649	3.22	cps
Bismuth	209-2	3359018	3396351	3343032	3366133	0.81	cps
Boron	10-1	218386	231203	242545	230711	5.24	cps
Boron	11-1	971828	1044567	1050893	1022429	4.30	cps
Bromine	81-1	36857	37941	36475	37091	2.05	cps
Cadmium	111-1	1821437	1875851	1888555	1861948	1.91	cps
Cadmium	106-1	202272	201073	206252	203199	1.33	cps
Cadmium	108-1	131652	133768	135771	133730	1.54	cps
Calcium	43-1	3174105	3273589	3185906	3211200	1.69	cps
Calcium	44-1	50105166	50433905	51029430	50522833	0.93	cps
Carbon	12-1	8839114	9020150	9100460	8986575	1.49	cps
Carbon	12-2	83119	82615	82239	82658	0.53	cps
Chlorine	35-1	1877060	1818185	1772174	1822473	2.88	cps
Chlorine	35-2	12439	12255	11697	12130	3.19	cps
Chromium	52-2	1855319	1863400	1806307	1841676	1.68	cps
Cobalt	59-2	3149226	3206330	3141248	3165601	1.12	cps
Copper	63-2	23582403	23296888	23929915	23603069	1.34	cps
Dysprosium	156-1	342	508	375	408	21.60	cps
Dysprosium	156-2	83	87	113	94	17.41	cps
Erbium	164-1	108	133	158	133	18.75	cps
Erbium	164-2	57	43	33	44	26.35	cps
Gadolinium	160-1	350	383	542	425	24.09	cps
Gadolinium	160-2	140	143	173	152	12.06	cps
Holmium	165-1	14917000	16108227	15903582	15642937	4.07	cps
Holmium	165-2	5227761	5185461	4911712	5108311	3.36	cps
Indium	115-1	13572244	14582456	14163138	14105946	3.60	cps
Indium	115-2	1740417	1664350	1647413	1684060	2.94	cps
Iron	54-2	4066559	4073811	3997054	4045808	1.05	cps
Iron	56-2	71891785	73130510	71906771	72309689	0.98	cps
Iron	57-2	1828400	1847074	1849143	1841539	0.62	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139732BS Instrumnet Name : P8
 Client Sample ID : PB139732BS Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:54:01 DataFile Name : 024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1053	1097	1020	1057	3.64	cps
Lead	206-1	23005591	23210864	23413334	23209930	0.88	cps
Lead	207-1	19849585	19782684	20488444	20040238	1.94	cps
Lead	208-1	91491161	90986896	93123925	91867327	1.22	cps
Lithium	6-1	5701747	6030130	5865918	5865932	2.80	cps
Magnesium	24-2	12922609	12877989	12639150	12813249	1.19	cps
Manganese	55-2	9240125	9348331	9249289	9279248	0.65	cps
Molybdenum	94-1	15997411	16356066	16355270	16236249	1.27	cps
Molybdenum	95-1	19612422	19958461	20330116	19967000	1.80	cps
Molybdenum	96-1	21595580	22150033	21951726	21899113	1.28	cps
Molybdenum	97-1	11988864	11980781	12055272	12008305	0.34	cps
Molybdenum	98-1	30677617	31247995	32203376	31376330	2.46	cps
Neodymium	150-1	373	387	453	404	10.60	cps
Neodymium	150-2	10	20	17	16	32.73	cps
Nickel	60-2	821469	824326	826712	824169	0.32	cps
Phosphorus	31-2	31334	32303	32487	32042	1.93	cps
Potassium	39-2	5429289	5453767	5317325	5400127	1.35	cps
Rhodium	103-1	13320666	13999442	13870510	13730206	2.63	cps
Rhodium	103-2	4706382	4660577	4539387	4635449	1.86	cps
Scandium	45-1	11108067	11758491	11649554	11505371	3.03	cps
Scandium	45-2	282999	276772	269463	276411	2.45	cps
Selenium	82-1	141835	144227	144874	143645	1.11	cps
Selenium	77-2	3560	3624	3197	3460	6.66	cps
Selenium	78-2	11226	11608	11352	11395	1.71	cps
Silicon	28-1	6457951	6595937	6802587	6618825	2.62	cps
Silver	107-1	9403032	9581404	9587093	9523843	1.10	cps
Silver	109-1	9072528	9012650	9104467	9063215	0.51	cps
Sodium	23-2	24494086	24625454	24174577	24431372	0.95	cps
Strontium	86-1	25297650	25535696	26102761	25645369	1.61	cps
Strontium	88-1	221465905	223992297	226933688	224130630	1.22	cps
Sulfur	34-1	927955	917215	904815	916662	1.26	cps
Terbium	159-1	15797694	16573818	16750392	16373968	3.10	cps
Terbium	159-2	5369329	5296281	5085218	5250276	2.81	cps
Thallium	203-1	5599780	5623092	5847371	5690081	2.40	cps
Thallium	205-1	12832342	12948964	13486703	13089336	2.67	cps
Tin	118-1	5911590	6111576	5960931	5994699	1.74	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139732BS	Instrumnet Name :	P8
Client Sample ID :	PB139732BS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:54:01	DataFile Name :	024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6403675	6510240	6455287	6456401	0.83	cps
Uranium	238-1	16740650	17786919	17052965	17193511	3.12	cps
Vanadium	51-2	1440103	1445771	1454086	1446653	0.49	cps
Ytterbium	172-1	42	50	33	42	20.00	cps
Ytterbium	172-2	6	11	11	9	34.60	cps
Ytterbium	176-1	24891	24774	25592	25086	1.76	cps
Ytterbium	176-2	9581	10371	9871	9941	4.02	cps
Yttrium	89-1	34547352	35800911	35458502	35268922	1.84	cps
Yttrium	89-2	3110123	3062715	3000058	3057632	1.81	cps
Zinc	66-2	2697394	2683802	2680128	2687108	0.34	cps
Zirconium	90-1	13776194	13990728	13964105	13910343	0.84	cps
Zirconium	91-1	3166252	3179651	3212685	3186196	0.75	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139679BL Instrumnet Name : P8
 Client Sample ID : PB139679BL Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:59:57 DataFile Name : 025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	169	211	209	196	12.15	cps
Antimony	121-1	767	825	967	853	12.06	cps
Arsenic	75-2	12	20	12	15	31.49	cps
Barium	135-1	133	192	125	150	24.22	cps
Barium	137-1	342	267	325	311	12.66	cps
Beryllium	9-1	108	90	112	103	11.34	cps
Bismuth	209-1	8490179	8551158	8682204	8574514	1.14	cps
Bismuth	209-2	3492148	3196812	3348590	3345850	4.41	cps
Boron	10-1	9229	8645	8441	8772	4.66	cps
Boron	11-1	41077	40903	39557	40512	2.05	cps
Bromine	81-1	37308	36154	38473	37311	3.11	cps
Cadmium	111-1	5999	5642	5909	5850	3.17	cps
Cadmium	106-1	8403	7969	8386	8253	2.98	cps
Cadmium	108-1	42	88	75	68	34.81	cps
Calcium	43-1	750	745	739	745	0.76	cps
Calcium	44-1	64542	65019	64297	64619	0.57	cps
Carbon	12-1	7152870	6942355	6990477	7028567	1.57	cps
Carbon	12-2	60550	59956	61646	60717	1.41	cps
Chlorine	35-1	1717108	1662148	1590803	1656686	3.82	cps
Chlorine	35-2	11280	10537	9779	10532	7.13	cps
Chromium	52-2	1153	1333	1220	1236	7.37	cps
Cobalt	59-2	107	137	110	118	13.96	cps
Copper	63-2	1300	1300	1107	1236	9.03	cps
Dysprosium	156-1	17	17	33	22	43.28	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	108	67	92	89	23.59	cps
Erbium	164-2	27	23	33	28	18.33	cps
Gadolinium	160-1	133	108	100	114	15.23	cps
Gadolinium	160-2	53	33	67	51	32.83	cps
Holmium	165-1	14453609	15188897	14917435	14853313	2.50	cps
Holmium	165-2	5000708	4547636	5067945	4872096	5.81	cps
Indium	115-1	13622924	13780189	13861792	13754968	0.88	cps
Indium	115-2	1744915	1586914	1667014	1666281	4.74	cps
Iron	54-2	867	1206	889	987	19.21	cps
Iron	56-2	6757	9355	6980	7697	18.70	cps
Iron	57-2	233	256	194	228	13.58	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139679BL Instrumnet Name : P8
 Client Sample ID : PB139679BL Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 12:59:57 DataFile Name : 025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1123	1000	1033	1052	6.06	cps
Lead	206-1	2367	2389	2550	2435	4.11	cps
Lead	207-1	2022	2217	1922	2054	7.29	cps
Lead	208-1	9429	9468	9490	9463	0.33	cps
Lithium	6-1	5396235	5374273	5592551	5454353	2.20	cps
Magnesium	24-2	600	1025	350	658	51.85	cps
Manganese	55-2	190	267	167	208	25.18	cps
Molybdenum	94-1	1058	917	950	975	7.60	cps
Molybdenum	95-1	1042	825	800	889	14.95	cps
Molybdenum	96-1	1208	1058	992	1086	10.22	cps
Molybdenum	97-1	600	617	475	564	13.73	cps
Molybdenum	98-1	1258	1092	1075	1142	8.88	cps
Neodymium	150-1	0	13	0	4	173.21	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	170	130	160	153	13.58	cps
Phosphorus	31-2	133	158	150	147	8.65	cps
Potassium	39-2	26082	27276	25398	26252	3.62	cps
Rhodium	103-1	14003841	13675527	14204831	13961400	1.91	cps
Rhodium	103-2	4716428	4322195	4532719	4523781	4.36	cps
Scandium	45-1	10874754	10863399	10804384	10847512	0.35	cps
Scandium	45-2	270854	248410	268582	262615	4.70	cps
Selenium	82-1	-102	17	15	-23	-295.57	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	105	92	101	99	6.70	cps
Silicon	28-1	606599	594983	600579	600720	0.97	cps
Silver	107-1	808	533	675	672	20.46	cps
Silver	109-1	725	658	633	672	7.05	cps
Sodium	23-2	45238	44728	42579	44182	3.19	cps
Strontium	86-1	2134	1925	1967	2009	5.49	cps
Strontium	88-1	3951	3559	3050	3520	12.82	cps
Sulfur	34-1	397353	399325	401237	399305	0.49	cps
Terbium	159-1	15900179	15662009	15663586	15741924	0.87	cps
Terbium	159-2	5261280	4729334	4957040	4982551	5.36	cps
Thallium	203-1	975	900	1067	981	8.51	cps
Thallium	205-1	2250	2275	2392	2306	3.28	cps
Tin	118-1	2142	2209	2067	2139	3.31	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139679BL	Instrumnet Name :	P8
Client Sample ID :	PB139679BL	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 12:59:57	DataFile Name :	025LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	367	367	450	394	12.20	cps
Uranium	238-1	383	275	208	289	30.57	cps
Vanadium	51-2	27	17	27	23	24.74	cps
Ytterbium	172-1	42	25	42	36	26.65	cps
Ytterbium	172-2	44	0	6	17	145.28	cps
Ytterbium	176-1	1834	1817	1658	1770	5.46	cps
Ytterbium	176-2	1989	2011	2084	2028	2.44	cps
Yttrium	89-1	33668768	34389098	34138940	34065602	1.07	cps
Yttrium	89-2	3073668	2741939	2990336	2935314	5.88	cps
Zinc	66-2	510	597	493	533	10.40	cps
Zirconium	90-1	1508	1750	1575	1611	7.75	cps
Zirconium	91-1	292	267	417	325	24.73	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : PB139679BS Instrumnet Name : P8
 Client Sample ID : PB139679BS Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:02:58 DataFile Name : 026LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	874384	861957	861343	865895	0.85	cps
Antimony	121-1	6375855	6501985	6266946	6381595	1.84	cps
Arsenic	75-2	160008	158402	157706	158705	0.74	cps
Barium	135-1	8373610	8585650	8264218	8407826	1.94	cps
Barium	137-1	14339238	14585564	14374750	14433184	0.92	cps
Beryllium	9-1	2047937	2049388	2054238	2050521	0.16	cps
Bismuth	209-1	8627187	9020307	9114707	8920734	2.90	cps
Bismuth	209-2	3402048	3347959	3105076	3285028	4.81	cps
Boron	10-1	226214	247232	247454	240300	5.08	cps
Boron	11-1	983143	1083669	1072582	1046465	5.27	cps
Bromine	81-1	37890	38362	40630	38961	3.76	cps
Cadmium	111-1	1945639	1895256	1956442	1932446	1.69	cps
Cadmium	106-1	208496	210872	205408	208259	1.32	cps
Cadmium	108-1	136066	135825	136653	136181	0.31	cps
Calcium	43-1	3279119	3247890	3109495	3212168	2.81	cps
Calcium	44-1	50682485	51130263	49778965	50530571	1.36	cps
Carbon	12-1	8658492	9020411	9014042	8897648	2.33	cps
Carbon	12-2	82774	82398	83361	82845	0.59	cps
Chlorine	35-1	1693353	1635593	1587646	1638864	3.23	cps
Chlorine	35-2	11063	11030	10646	10913	2.12	cps
Chromium	52-2	1825801	1782558	1776465	1794941	1.50	cps
Cobalt	59-2	3208015	3078643	3038289	3108316	2.85	cps
Copper	63-2	23754510	23126260	23313499	23398089	1.38	cps
Dysprosium	156-1	267	375	300	314	17.68	cps
Dysprosium	156-2	127	100	93	107	16.54	cps
Erbium	164-1	142	92	100	111	24.11	cps
Erbium	164-2	37	53	47	46	18.41	cps
Gadolinium	160-1	475	442	417	444	6.58	cps
Gadolinium	160-2	123	137	123	128	6.02	cps
Holmium	165-1	15791365	16165765	16485286	16147472	2.15	cps
Holmium	165-2	5203711	5025848	4896306	5041955	3.06	cps
Indium	115-1	14665902	14688895	15128849	14827882	1.76	cps
Indium	115-2	1714669	1689436	1663365	1689157	1.52	cps
Iron	54-2	4029678	3873907	3980262	3961282	2.01	cps
Iron	56-2	71397163	70443031	69754503	70531565	1.17	cps
Iron	57-2	1820533	1819893	1766858	1802428	1.71	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139679BS	Instrumnet Name :	P8
Client Sample ID :	PB139679BS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:02:58	DataFile Name :	026LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1087	977	1037	1033	5.33	cps
Lead	206-1	23541286	23075380	22913646	23176771	1.41	cps
Lead	207-1	20268425	20134680	20122085	20175063	0.40	cps
Lead	208-1	92353638	92430919	91531937	92105498	0.54	cps
Lithium	6-1	5749397	5782325	5971755	5834492	2.06	cps
Magnesium	24-2	12737891	12479321	12759843	12659018	1.23	cps
Manganese	55-2	9207880	8937690	9013934	9053168	1.54	cps
Molybdenum	94-1	16320477	16145770	16157909	16208052	0.60	cps
Molybdenum	95-1	19737375	19679635	19766407	19727805	0.22	cps
Molybdenum	96-1	21891218	21983932	21699099	21858083	0.66	cps
Molybdenum	97-1	12220835	12151626	12036481	12136314	0.77	cps
Molybdenum	98-1	31724159	31179202	31441137	31448166	0.87	cps
Neodymium	150-1	487	287	393	389	25.73	cps
Neodymium	150-2	23	13	17	18	28.64	cps
Nickel	60-2	817599	813863	806245	812569	0.71	cps
Phosphorus	31-2	31693	30374	31351	31140	2.20	cps
Potassium	39-2	5290945	5239902	5202581	5244476	0.85	cps
Rhodium	103-1	13968994	13969250	14656294	14198179	2.79	cps
Rhodium	103-2	4611832	4671096	4534294	4605741	1.49	cps
Scandium	45-1	11391161	11401813	11777536	11523504	1.91	cps
Scandium	45-2	278926	273586	271987	274833	1.32	cps
Selenium	82-1	148175	147810	146929	147638	0.43	cps
Selenium	77-2	3570	3374	3114	3353	6.83	cps
Selenium	78-2	11539	11395	11276	11403	1.16	cps
Silicon	28-1	6489586	6702837	6995628	6729350	3.78	cps
Silver	107-1	9978687	9869349	9781666	9876567	1.00	cps
Silver	109-1	9310409	9047386	9426704	9261500	2.10	cps
Sodium	23-2	23573134	23603982	23981882	23719666	0.96	cps
Strontium	86-1	26113639	25654867	25450415	25739640	1.32	cps
Strontium	88-1	226212405	223976447	218182430	222790427	1.86	cps
Sulfur	34-1	931518	1043724	911640	962294	7.40	cps
Terbium	159-1	16610573	17492173	17942039	17348262	3.90	cps
Terbium	159-2	5311354	5255185	5052881	5206473	2.61	cps
Thallium	203-1	5621071	5753066	5683074	5685737	1.16	cps
Thallium	205-1	13207248	13260242	12946147	13137879	1.28	cps
Tin	118-1	6070485	6187466	5936759	6064903	2.07	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	PB139679BS	Instrumnet Name :	P8
Client Sample ID :	PB139679BS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:02:58	DataFile Name :	026LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6496697	6473119	6412584	6460800	0.67	cps
Uranium	238-1	17438855	17078874	17011772	17176500	1.34	cps
Vanadium	51-2	1429758	1417048	1411659	1419488	0.65	cps
Ytterbium	172-1	42	42	58	47	20.37	cps
Ytterbium	172-2	17	11	17	15	21.67	cps
Ytterbium	176-1	25458	26193	25325	25659	1.82	cps
Ytterbium	176-2	9592	9643	9737	9657	0.76	cps
Yttrium	89-1	34649505	36727337	37822940	36399928	4.43	cps
Yttrium	89-2	3059502	3083256	2999042	3047267	1.42	cps
Zinc	66-2	2684181	2689494	2638093	2670589	1.06	cps
Zirconium	90-1	14017509	14482102	14136766	14212126	1.70	cps
Zirconium	91-1	3164406	3187718	3202199	3184774	0.60	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-01	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:05:55	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11313	11596	11617	11509	1.48	cps
Antimony	121-1	4159	4351	4693	4401	6.14	cps
Arsenic	75-2	1683	1720	1760	1721	2.24	cps
Barium	135-1	461746	471852	466178	466592	1.09	cps
Barium	137-1	791540	801587	811465	801531	1.24	cps
Beryllium	9-1	354	276	310	313	12.48	cps
Bismuth	209-1	9000860	9254256	8936324	9063813	1.85	cps
Bismuth	209-2	3516630	3452587	3444663	3471294	1.14	cps
Boron	10-1	65207	69475	69035	67906	3.46	cps
Boron	11-1	318680	328603	333171	326818	2.27	cps
Bromine	81-1	165637	190623	207622	187960	11.24	cps
Cadmium	111-1	6312	6619	6318	6416	2.74	cps
Cadmium	106-1	8720	9153	8770	8881	2.67	cps
Cadmium	108-1	96	67	113	92	25.31	cps
Calcium	43-1	1454709	1459954	1473518	1462727	0.66	cps
Calcium	44-1	23581107	23313079	23665481	23519889	0.78	cps
Carbon	12-1	18992296	21250307	22159809	20800804	7.84	cps
Carbon	12-2	199948	201866	203480	201765	0.88	cps
Chlorine	35-1	2028547	2116707	2167745	2104333	3.35	cps
Chlorine	35-2	15050	14983	15350	15128	1.29	cps
Chromium	52-2	5798	6001	6158	5986	3.02	cps
Cobalt	59-2	30399	29691	30359	30150	1.32	cps
Copper	63-2	20278	20178	20158	20204	0.32	cps
Dysprosium	156-1	2617	2492	2534	2548	2.50	cps
Dysprosium	156-2	873	803	730	802	8.93	cps
Erbium	164-1	2134	2117	2359	2203	6.13	cps
Erbium	164-2	703	673	783	720	7.90	cps
Gadolinium	160-1	2650	2950	3017	2873	6.80	cps
Gadolinium	160-2	1127	1093	1127	1116	1.73	cps
Holmium	165-1	15554415	16655402	15414723	15874847	4.28	cps
Holmium	165-2	5141628	5147021	5226172	5171607	0.92	cps
Indium	115-1	14296623	15590164	14705726	14864171	4.45	cps
Indium	115-2	1774069	1723790	1770684	1756181	1.60	cps
Iron	54-2	4050119	4113045	4162397	4108520	1.37	cps
Iron	56-2	73775766	73387777	74770516	73978019	0.96	cps
Iron	57-2	1906942	1874402	1908358	1896567	1.01	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-01	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:05:55	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1060	870	990	973	9.87	cps
Lead	206-1	10349	10032	10188	10189	1.56	cps
Lead	207-1	8753	8892	8342	8662	3.30	cps
Lead	208-1	39496	40353	38656	39502	2.15	cps
Lithium	6-1	5502969	5926860	5604643	5678157	3.90	cps
Magnesium	24-2	2580051	2538343	2517746	2545380	1.25	cps
Manganese	55-2	4663083	4747243	4698756	4703027	0.90	cps
Molybdenum	94-1	5410	5435	4901	5248	5.74	cps
Molybdenum	95-1	5860	5651	5585	5699	2.52	cps
Molybdenum	96-1	8995	8503	8278	8592	4.27	cps
Molybdenum	97-1	3676	3159	3217	3350	8.45	cps
Molybdenum	98-1	9120	8294	8036	8483	6.67	cps
Neodymium	150-1	3674	3814	3774	3754	1.92	cps
Neodymium	150-2	910	913	997	940	5.22	cps
Nickel	60-2	13350	13149	13456	13319	1.17	cps
Phosphorus	31-2	950	842	958	917	7.10	cps
Potassium	39-2	831052	812763	838645	827486	1.61	cps
Rhodium	103-1	14175085	14586478	13996190	14252584	2.12	cps
Rhodium	103-2	4974962	4829864	4802000	4868942	1.91	cps
Scandium	45-1	11418164	11615408	11275613	11436395	1.49	cps
Scandium	45-2	279742	282099	284549	282130	0.85	cps
Selenium	82-1	114	337	220	224	49.82	cps
Selenium	77-2	7	23	10	13	66.12	cps
Selenium	78-2	138	113	112	121	12.17	cps
Silicon	28-1	59774728	62292372	61933845	61333649	2.22	cps
Silver	107-1	3334	3592	3050	3325	8.15	cps
Silver	109-1	3501	3042	2775	3106	11.81	cps
Sodium	23-2	13954084	13648316	13841820	13814740	1.12	cps
Strontium	86-1	604257	629726	614845	616276	2.08	cps
Strontium	88-1	5290213	5510275	5502961	5434483	2.30	cps
Sulfur	34-1	3450649	3477326	3551611	3493195	1.50	cps
Terbium	159-1	16349574	16957247	17095689	16800836	2.36	cps
Terbium	159-2	5384202	5304310	5319438	5335983	0.80	cps
Thallium	203-1	1392	1367	1267	1342	4.93	cps
Thallium	205-1	3592	3626	3259	3492	5.81	cps
Tin	118-1	3267	3559	3401	3409	4.28	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-01	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:05:55	DataFile Name :	027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7169	8286	7996	7817	7.42	cps
Uranium	238-1	2359	2325	2092	2259	6.43	cps
Vanadium	51-2	3651	3550	3641	3614	1.52	cps
Ytterbium	172-1	708	1092	1000	933	21.45	cps
Ytterbium	172-2	289	311	361	320	11.55	cps
Ytterbium	176-1	2334	2625	2584	2514	6.28	cps
Ytterbium	176-2	2111	2589	2289	2330	10.37	cps
Yttrium	89-1	34941388	36700005	35968273	35869889	2.46	cps
Yttrium	89-2	3125388	3149359	3160962	3145236	0.58	cps
Zinc	66-2	13753	13370	13446	13523	1.50	cps
Zirconium	90-1	6243	6235	6735	6405	4.47	cps
Zirconium	91-1	1375	1450	1425	1417	2.70	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : M4130-03 Instrumnet Name : P8
 Client Sample ID : SW-RR-03-(SA) Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:08:49 DataFile Name : 028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10547	10090	10484	10373	2.39	cps
Antimony	121-1	5351	5226	6402	5660	11.41	cps
Arsenic	75-2	305	276	292	291	4.99	cps
Barium	135-1	172229	168548	174795	171858	1.83	cps
Barium	137-1	305181	298591	303405	302392	1.13	cps
Beryllium	9-1	138	122	812	357	110.22	cps
Bismuth	209-1	8827773	9158370	8899365	8961836	1.94	cps
Bismuth	209-2	3352946	3298977	3501846	3384590	3.10	cps
Boron	10-1	48596	50288	50260	49715	1.95	cps
Boron	11-1	228388	236042	244270	236233	3.36	cps
Bromine	81-1	126140	137022	144316	135826	6.73	cps
Cadmium	111-1	6484	6135	7438	6686	10.09	cps
Cadmium	106-1	9095	8661	9921	9226	6.93	cps
Cadmium	108-1	46	142	313	167	81.05	cps
Calcium	43-1	1587660	1538719	1581695	1569358	1.70	cps
Calcium	44-1	25431441	25167714	25329214	25309456	0.53	cps
Carbon	12-1	15662854	16714422	17634571	16670616	5.92	cps
Carbon	12-2	157539	157750	161009	158766	1.23	cps
Chlorine	35-1	2849576	2983502	3090954	2974677	4.07	cps
Chlorine	35-2	21583	22635	22335	22184	2.44	cps
Chromium	52-2	3087	3404	3197	3229	4.98	cps
Cobalt	59-2	1513	1413	1450	1459	3.47	cps
Copper	63-2	14040	13470	13917	13809	2.17	cps
Dysprosium	156-1	1108	1042	983	1045	5.99	cps
Dysprosium	156-2	367	353	377	366	3.20	cps
Erbium	164-1	483	508	583	525	9.91	cps
Erbium	164-2	177	197	163	179	9.38	cps
Gadolinium	160-1	1317	1100	967	1128	15.66	cps
Gadolinium	160-2	440	407	417	421	4.06	cps
Holmium	165-1	14760595	15692733	16130946	15528091	4.51	cps
Holmium	165-2	4980130	5148942	5169797	5099623	2.04	cps
Indium	115-1	13784389	14586969	14528900	14300086	3.13	cps
Indium	115-2	1740175	1765320	1728401	1744632	1.08	cps
Iron	54-2	54270	54726	54872	54623	0.58	cps
Iron	56-2	979228	965073	976498	973600	0.77	cps
Iron	57-2	24432	24477	24621	24510	0.40	cps

LB Number :	Ib116754	Operator :	Jaswal
Lab Sample ID :	M4130-03	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:08:49	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1017	1037	927	993	5.90	cps
Lead	206-1	5184	5340	10741	7089	44.64	cps
Lead	207-1	4701	4390	9589	6227	46.84	cps
Lead	208-1	20774	20145	42167	27695	45.27	cps
Lithium	6-1	5715979	5875725	5826730	5806145	1.41	cps
Magnesium	24-2	2538757	2513290	2593255	2548434	1.60	cps
Manganese	55-2	213498	214749	215540	214596	0.48	cps
Molybdenum	94-1	7744	7069	12408	9074	32.04	cps
Molybdenum	95-1	11080	11447	16154	12893	21.95	cps
Molybdenum	96-1	12273	11989	17597	13953	22.64	cps
Molybdenum	97-1	7152	6944	9546	7880	18.35	cps
Molybdenum	98-1	18221	18655	26382	21086	21.78	cps
Neodymium	150-1	647	567	560	591	8.16	cps
Neodymium	150-2	160	147	113	140	17.17	cps
Nickel	60-2	2190	2404	2200	2265	5.32	cps
Phosphorus	31-2	2375	2550	2450	2459	3.57	cps
Potassium	39-2	812619	805972	821061	813217	0.93	cps
Rhodium	103-1	13750973	14494309	14134315	14126532	2.63	cps
Rhodium	103-2	4680408	4755495	4712543	4716148	0.80	cps
Scandium	45-1	11085387	11814307	11824356	11574683	3.66	cps
Scandium	45-2	271360	279122	279858	276780	1.70	cps
Selenium	82-1	140	89	236	155	48.03	cps
Selenium	77-2	3	10	3	6	69.34	cps
Selenium	78-2	110	86	100	99	12.22	cps
Silicon	28-1	49502653	48644856	47887844	48678451	1.66	cps
Silver	107-1	1017	958	867	947	7.98	cps
Silver	109-1	800	725	775	767	4.98	cps
Sodium	23-2	17019735	16785090	16613805	16806210	1.21	cps
Strontium	86-1	833122	816426	806404	818651	1.65	cps
Strontium	88-1	7172424	7142184	7079650	7131419	0.66	cps
Sulfur	34-1	1225601	1207979	1190494	1208025	1.45	cps
Terbium	159-1	16181667	16613238	16368160	16387688	1.32	cps
Terbium	159-2	5224947	5168394	5358234	5250525	1.86	cps
Thallium	203-1	892	1008	2325	1409	56.53	cps
Thallium	205-1	1992	1892	5369	3084	64.17	cps
Tin	118-1	3209	3100	4710	3673	24.49	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:08:49	DataFile Name :	028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7636	7602	10973	8737	22.16	cps
Uranium	238-1	5076	4668	8530	6091	34.83	cps
Vanadium	51-2	2700	2624	2647	2657	1.48	cps
Ytterbium	172-1	400	358	308	356	12.91	cps
Ytterbium	172-2	128	83	100	104	21.65	cps
Ytterbium	176-1	2034	1884	2442	2120	13.63	cps
Ytterbium	176-2	1950	2039	2434	2141	12.02	cps
Yttrium	89-1	34428754	35262749	36290752	35327418	2.64	cps
Yttrium	89-2	3060867	3104164	3103565	3089532	0.80	cps
Zinc	66-2	16663	16810	17074	16849	1.23	cps
Zirconium	90-1	3642	3284	6770	4565	42.00	cps
Zirconium	91-1	625	833	1300	920	37.59	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : M4130-05 Instrumnet Name : P8
 Client Sample ID : SW-RR-01-(2.0) Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:11:46 DataFile Name : 029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9795	10111	9582	9829	2.71	cps
Antimony	121-1	1617	1642	1817	1692	6.44	cps
Arsenic	75-2	209	220	176	202	11.35	cps
Barium	135-1	140887	142892	145662	143147	1.67	cps
Barium	137-1	250263	258159	250649	253024	1.76	cps
Beryllium	9-1	100	150	126	125	19.95	cps
Bismuth	209-1	8860002	8719398	8796658	8792019	0.80	cps
Bismuth	209-2	3436976	3480735	3438277	3451996	0.72	cps
Boron	10-1	28081	29764	29808	29218	3.37	cps
Boron	11-1	137456	137504	143863	139608	2.64	cps
Bromine	81-1	109548	123517	125535	119534	7.28	cps
Cadmium	111-1	6771	6645	6248	6555	4.16	cps
Cadmium	106-1	9512	9270	8836	9206	3.72	cps
Cadmium	108-1	71	88	71	76	12.60	cps
Calcium	43-1	1307575	1287354	1330427	1308452	1.65	cps
Calcium	44-1	21069348	21346641	21477948	21297979	0.98	cps
Carbon	12-1	15561314	16925132	17911730	16799392	7.03	cps
Carbon	12-2	161237	162180	163950	162456	0.85	cps
Chlorine	35-1	3078422	3157680	3208885	3148329	2.09	cps
Chlorine	35-2	23077	23036	23127	23080	0.20	cps
Chromium	52-2	2764	2494	2574	2610	5.31	cps
Cobalt	59-2	927	863	900	897	3.55	cps
Copper	63-2	8096	8449	8156	8234	2.30	cps
Dysprosium	156-1	533	583	575	564	4.75	cps
Dysprosium	156-2	167	183	170	173	5.09	cps
Erbium	164-1	675	642	583	633	7.33	cps
Erbium	164-2	193	180	170	181	6.47	cps
Gadolinium	160-1	717	733	725	725	1.15	cps
Gadolinium	160-2	327	277	217	273	20.15	cps
Holmium	165-1	15382237	15791238	15236775	15470083	1.86	cps
Holmium	165-2	5142404	5221758	5188361	5184174	0.77	cps
Indium	115-1	14589498	14485769	14325261	14466843	0.92	cps
Indium	115-2	1781048	1756783	1793996	1777276	1.06	cps
Iron	54-2	36777	35583	36285	36215	1.66	cps
Iron	56-2	627224	642828	637414	635822	1.25	cps
Iron	57-2	16538	16771	16104	16471	2.06	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-05	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:11:46	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	930	1040	1077	1016	7.52	cps
Lead	206-1	4273	4679	4101	4351	6.82	cps
Lead	207-1	3734	3978	3528	3747	6.01	cps
Lead	208-1	16443	18389	16549	17127	6.39	cps
Lithium	6-1	5606354	5714048	5624091	5648165	1.02	cps
Magnesium	24-2	2316260	2287279	2287593	2297044	0.72	cps
Manganese	55-2	58881	57308	57662	57950	1.42	cps
Molybdenum	94-1	4217	4693	4543	4484	5.42	cps
Molybdenum	95-1	5876	6268	5501	5882	6.52	cps
Molybdenum	96-1	6360	6819	6410	6529	3.85	cps
Molybdenum	97-1	3342	3901	4067	3770	10.07	cps
Molybdenum	98-1	9070	9837	9203	9370	4.37	cps
Neodymium	150-1	780	627	587	664	15.36	cps
Neodymium	150-2	167	123	197	162	22.73	cps
Nickel	60-2	1290	1377	1327	1331	3.27	cps
Phosphorus	31-2	425	425	450	433	3.33	cps
Potassium	39-2	540769	534717	543016	539500	0.80	cps
Rhodium	103-1	13985903	14318257	14240277	14181479	1.23	cps
Rhodium	103-2	4892612	4850080	4758418	4833703	1.42	cps
Scandium	45-1	11378179	11455707	11407792	11413892	0.34	cps
Scandium	45-2	286962	284571	282276	284603	0.82	cps
Selenium	82-1	170	43	5	73	118.31	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	111	91	103	102	9.90	cps
Silicon	28-1	45489648	47163791	48014070	46889169	2.74	cps
Silver	107-1	450	442	600	497	17.92	cps
Silver	109-1	400	483	492	458	11.06	cps
Sodium	23-2	11620102	11799150	11603341	11674198	0.93	cps
Strontium	86-1	665142	670645	680972	672253	1.20	cps
Strontium	88-1	5839957	5811935	5975774	5875888	1.49	cps
Sulfur	34-1	861996	867224	884056	871092	1.32	cps
Terbium	159-1	16616031	16697917	16514942	16609630	0.55	cps
Terbium	159-2	5244473	5365041	5433783	5347766	1.79	cps
Thallium	203-1	867	917	917	900	3.21	cps
Thallium	205-1	1884	2125	1959	1989	6.22	cps
Tin	118-1	2359	2584	2467	2470	4.56	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-05	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:11:46	DataFile Name :	029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7861	8094	8486	8147	3.88	cps
Uranium	238-1	5535	5943	5610	5696	3.82	cps
Vanadium	51-2	2320	2330	2457	2369	3.22	cps
Ytterbium	172-1	333	342	308	328	5.29	cps
Ytterbium	172-2	156	156	106	139	20.78	cps
Ytterbium	176-1	2142	2142	2217	2167	2.00	cps
Ytterbium	176-2	2222	2178	2411	2271	5.46	cps
Yttrium	89-1	35884462	35707788	35338092	35643447	0.78	cps
Yttrium	89-2	3108009	3121826	3116399	3115411	0.22	cps
Zinc	66-2	13640	13650	13456	13582	0.80	cps
Zirconium	90-1	8459	3001	2834	4764	67.17	cps
Zirconium	91-1	608	642	608	619	3.11	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03DUP	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)DUP	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:14:41	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10744	10848	10773	10788	0.50	cps
Antimony	121-1	4776	4951	4943	4890	2.02	cps
Arsenic	75-2	281	287	290	286	1.60	cps
Barium	135-1	170450	170508	169586	170181	0.30	cps
Barium	137-1	289425	292189	290210	290608	0.49	cps
Beryllium	9-1	130	98	100	109	16.40	cps
Bismuth	209-1	8691664	8605570	8335464	8544233	2.18	cps
Bismuth	209-2	3502319	3431634	3421108	3451687	1.28	cps
Boron	10-1	41492	44905	45413	43937	4.85	cps
Boron	11-1	202968	211093	219808	211290	3.99	cps
Bromine	81-1	124224	130052	139083	131120	5.71	cps
Cadmium	111-1	6267	6233	5625	6042	5.97	cps
Cadmium	106-1	8845	8853	7944	8547	6.11	cps
Cadmium	108-1	58	104	63	75	33.80	cps
Calcium	43-1	1546549	1555572	1526658	1542927	0.96	cps
Calcium	44-1	24582003	24699744	24458045	24579930	0.49	cps
Carbon	12-1	16421335	17638647	18330052	17463345	5.53	cps
Carbon	12-2	161119	166933	164237	164096	1.77	cps
Chlorine	35-1	3477661	3650505	3711305	3613157	3.35	cps
Chlorine	35-2	26867	28554	28395	27939	3.33	cps
Chromium	52-2	3267	3167	3227	3220	1.56	cps
Cobalt	59-2	1510	1453	1477	1480	1.92	cps
Copper	63-2	12943	13360	13830	13378	3.32	cps
Dysprosium	156-1	1033	992	975	1000	3.01	cps
Dysprosium	156-2	313	290	330	311	6.46	cps
Erbium	164-1	567	525	442	511	12.45	cps
Erbium	164-2	180	140	180	167	13.86	cps
Gadolinium	160-1	1267	1142	1308	1239	7.00	cps
Gadolinium	160-2	420	350	413	394	9.79	cps
Holmium	165-1	15311061	15272679	14975496	15186412	1.21	cps
Holmium	165-2	5018976	5212356	5096261	5109198	1.91	cps
Indium	115-1	14112295	14194749	13555556	13954200	2.49	cps
Indium	115-2	1763809	1718255	1716810	1732958	1.54	cps
Iron	54-2	53183	52836	55636	53885	2.83	cps
Iron	56-2	976947	992193	993527	987556	0.93	cps
Iron	57-2	25006	24883	24716	24868	0.58	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03DUP	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)DUP	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:14:41	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1080	900	1000	993	9.08	cps
Lead	206-1	5007	4979	4929	4971	0.79	cps
Lead	207-1	4223	3834	4006	4021	4.85	cps
Lead	208-1	18939	18939	18633	18837	0.94	cps
Lithium	6-1	5722896	5740268	5363850	5609004	3.79	cps
Magnesium	24-2	2650828	2633256	2622826	2635637	0.54	cps
Manganese	55-2	208606	215607	211563	211925	1.66	cps
Molybdenum	94-1	6902	7419	6894	7071	4.26	cps
Molybdenum	95-1	11105	10721	10879	10902	1.77	cps
Molybdenum	96-1	11622	11397	11580	11533	1.04	cps
Molybdenum	97-1	6677	6585	6518	6593	1.21	cps
Molybdenum	98-1	16544	16752	16393	16563	1.09	cps
Neodymium	150-1	540	607	640	596	8.55	cps
Neodymium	150-2	173	120	157	150	18.19	cps
Nickel	60-2	2107	2027	2114	2082	2.32	cps
Phosphorus	31-2	2709	2784	2325	2606	9.44	cps
Potassium	39-2	822569	840484	817694	826916	1.45	cps
Rhodium	103-1	13774114	13934420	13295900	13668145	2.43	cps
Rhodium	103-2	4732111	4742350	4757998	4744153	0.27	cps
Scandium	45-1	11262252	11018469	10740891	11007204	2.37	cps
Scandium	45-2	275692	285743	278173	279869	1.87	cps
Selenium	82-1	8	229	104	114	97.44	cps
Selenium	77-2	7	3	3	4	43.40	cps
Selenium	78-2	101	101	109	104	4.46	cps
Silicon	28-1	47776913	47720117	47374634	47623888	0.46	cps
Silver	107-1	508	517	617	547	11.02	cps
Silver	109-1	500	433	433	456	8.45	cps
Sodium	23-2	16955864	17119125	17251575	17108855	0.87	cps
Strontium	86-1	787151	793540	793878	791523	0.48	cps
Strontium	88-1	6922779	7057742	6947727	6976083	1.03	cps
Sulfur	34-1	1216416	1196979	1173494	1195630	1.80	cps
Terbium	159-1	16099183	16494670	15222532	15938795	4.08	cps
Terbium	159-2	5189216	5236462	5353781	5259820	1.61	cps
Thallium	203-1	767	758	658	728	8.28	cps
Thallium	205-1	1784	1792	1809	1795	0.71	cps
Tin	118-1	3209	3467	3284	3320	4.00	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03DUP	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)DUP	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:14:41	DataFile Name :	030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7177	7185	8054	7472	6.74	cps
Uranium	238-1	4459	4393	4768	4540	4.41	cps
Vanadium	51-2	2460	2504	2620	2528	3.27	cps
Ytterbium	172-1	358	258	258	292	19.80	cps
Ytterbium	172-2	100	144	56	100	44.44	cps
Ytterbium	176-1	2209	2059	2092	2120	3.72	cps
Ytterbium	176-2	2011	2061	2306	2126	7.41	cps
Yttrium	89-1	34935598	35475624	33292341	34567854	3.29	cps
Yttrium	89-2	3047700	3027940	3056356	3043999	0.48	cps
Zinc	66-2	16640	16830	17004	16825	1.08	cps
Zirconium	90-1	3209	3109	3209	3176	1.82	cps
Zirconium	91-1	608	725	567	633	12.96	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : M4130-03LX5 Instrumnet Name : P8
 Client Sample ID : SW-RR-03-(SA)L Dilution Factor : 5
 Date & Time Acquired :: 2021-10-08 13:17:37 DataFile Name : 031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2374	2434	2420	2409	1.30	cps
Antimony	121-1	1150	1308	992	1150	13.77	cps
Arsenic	75-2	82	55	60	66	21.87	cps
Barium	135-1	31771	33927	31504	32401	4.10	cps
Barium	137-1	58754	59842	56820	58472	2.62	cps
Beryllium	9-1	100	84	82	89	11.13	cps
Bismuth	209-1	8976605	8809675	8799531	8861937	1.12	cps
Bismuth	209-2	3724526	3297006	3321093	3447541	6.97	cps
Boron	10-1	15385	15089	15265	15246	0.98	cps
Boron	11-1	73297	71000	70377	71558	2.15	cps
Bromine	81-1	66736	67049	68357	67380	1.28	cps
Cadmium	111-1	5853	6065	5962	5960	1.78	cps
Cadmium	106-1	8328	8586	8403	8439	1.58	cps
Cadmium	108-1	79	71	71	74	6.54	cps
Calcium	43-1	293515	294540	288441	292165	1.12	cps
Calcium	44-1	4929231	4898629	4813508	4880456	1.23	cps
Carbon	12-1	10928989	10772575	10891124	10864229	0.75	cps
Carbon	12-2	92794	91166	91719	91893	0.90	cps
Chlorine	35-1	3094199	3060477	2844253	2999643	4.52	cps
Chlorine	35-2	19706	19639	19113	19486	1.67	cps
Chromium	52-2	1693	1677	1647	1672	1.41	cps
Cobalt	59-2	407	323	490	407	20.49	cps
Copper	63-2	3671	3377	3504	3517	4.18	cps
Dysprosium	156-1	208	225	208	214	4.50	cps
Dysprosium	156-2	70	77	83	77	8.69	cps
Erbium	164-1	175	200	208	194	8.92	cps
Erbium	164-2	57	47	43	49	14.20	cps
Gadolinium	160-1	292	342	450	361	22.41	cps
Gadolinium	160-2	117	133	140	130	9.24	cps
Holmium	165-1	15445526	15769931	15624668	15613375	1.04	cps
Holmium	165-2	5561746	4944240	4903953	5136647	7.18	cps
Indium	115-1	14218748	14700767	14118178	14345898	2.17	cps
Indium	115-2	1891696	1694381	1679008	1755028	6.76	cps
Iron	54-2	12344	12561	12450	12452	0.87	cps
Iron	56-2	210815	236285	216433	221178	6.05	cps
Iron	57-2	5507	5190	5457	5384	3.16	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03LX5	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)L	Dilution Factor :	5
Date & Time Acquired ::	2021-10-08 13:17:37	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	920	947	903	923	2.37	cps
Lead	206-1	2595	3312	2611	2839	14.41	cps
Lead	207-1	2322	2628	2428	2460	6.31	cps
Lead	208-1	10813	12442	11108	11454	7.58	cps
Lithium	6-1	5949584	5999456	5802545	5917195	1.73	cps
Magnesium	24-2	501065	502158	495617	499613	0.70	cps
Manganese	55-2	41132	42503	41815	41817	1.64	cps
Molybdenum	94-1	2084	1850	2100	2011	6.95	cps
Molybdenum	95-1	2350	2575	2250	2392	6.96	cps
Molybdenum	96-1	2775	2884	2759	2806	2.42	cps
Molybdenum	97-1	1433	1642	1325	1467	10.98	cps
Molybdenum	98-1	3684	3934	3676	3765	3.90	cps
Neodymium	150-1	87	100	113	100	13.33	cps
Neodymium	150-2	10	30	23	21	48.24	cps
Nickel	60-2	947	913	987	949	3.87	cps
Phosphorus	31-2	742	742	733	739	0.65	cps
Potassium	39-2	178596	179060	179230	178962	0.18	cps
Rhodium	103-1	14186089	14263744	13890963	14113599	1.39	cps
Rhodium	103-2	5186641	4749771	4682998	4873137	5.61	cps
Scandium	45-1	11229257	11272315	11282616	11261396	0.25	cps
Scandium	45-2	304564	263201	266561	278109	8.26	cps
Selenium	82-1	143	107	125	125	14.69	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	95	101	100	99	3.26	cps
Silicon	28-1	9798779	9747181	9604571	9716844	1.04	cps
Silver	107-1	333	358	275	322	13.27	cps
Silver	109-1	308	300	267	292	7.56	cps
Sodium	23-2	3347881	3400174	3335150	3361068	1.03	cps
Strontium	86-1	156167	157575	155662	156468	0.63	cps
Strontium	88-1	1337840	1322087	1300920	1320282	1.40	cps
Sulfur	34-1	586142	595268	586055	589155	0.90	cps
Terbium	159-1	16248612	16618370	16677517	16514833	1.41	cps
Terbium	159-2	5793426	5073538	4890816	5252593	9.09	cps
Thallium	203-1	775	717	792	761	5.17	cps
Thallium	205-1	1533	1759	1392	1561	11.85	cps
Tin	118-1	2400	2459	2384	2414	1.63	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03LX5	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)L	Dilution Factor :	5
Date & Time Acquired ::	2021-10-08 13:17:37	DataFile Name :	031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	5259	1725	1850	2945	68.09	cps
Uranium	238-1	892	1125	1025	1014	11.55	cps
Vanadium	51-2	570	600	487	552	10.63	cps
Ytterbium	172-1	83	108	100	97	13.09	cps
Ytterbium	172-2	39	33	17	30	39.02	cps
Ytterbium	176-1	2042	2125	1867	2011	6.56	cps
Ytterbium	176-2	2084	2095	2200	2126	3.03	cps
Yttrium	89-1	35287517	35816996	34573438	35225984	1.77	cps
Yttrium	89-2	3241430	3037013	2919439	3065961	5.31	cps
Zinc	66-2	4157	4171	4137	4155	0.40	cps
Zirconium	90-1	1859	1992	1884	1911	3.71	cps
Zirconium	91-1	342	408	350	367	9.91	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCV72 Instrumnet Name : P8
 Client Sample ID : CCV72 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:23:14 DataFile Name : 032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4378221	4283420	4231951	4297864	1.73	cps
Antimony	121-1	5875641	5941602	6083920	5967054	1.78	cps
Arsenic	75-2	161755	160510	159326	160530	0.76	cps
Barium	135-1	8185776	8328325	8361393	8291831	1.13	cps
Barium	137-1	14195528	14084497	14402897	14227641	1.14	cps
Beryllium	9-1	1927168	1951533	1934396	1937699	0.65	cps
Bismuth	209-1	8098915	7937301	8305443	8113886	2.27	cps
Bismuth	209-2	3324601	3206254	3162081	3230979	2.60	cps
Boron	10-1	233093	244228	252415	243246	3.99	cps
Boron	11-1	1023756	1045438	1062082	1043759	1.84	cps
Bromine	81-1	39115	39145	40118	39460	1.45	cps
Cadmium	111-1	1855989	1857839	1872525	1862118	0.49	cps
Cadmium	106-1	201040	204133	205706	203626	1.17	cps
Cadmium	108-1	134204	135105	132858	134056	0.84	cps
Calcium	43-1	13921317	14132311	13962267	14005298	0.80	cps
Calcium	44-1	224541108	230648114	228842210	228010477	1.38	cps
Carbon	12-1	9399061	9383452	9515959	9432824	0.77	cps
Carbon	12-2	90940	91870	91761	91524	0.56	cps
Chlorine	35-1	2237396	2231547	2183728	2217557	1.33	cps
Chlorine	35-2	14591	13832	13040	13821	5.61	cps
Chromium	52-2	1786864	1773505	1756465	1772278	0.86	cps
Cobalt	59-2	3167611	3122136	3066601	3118783	1.62	cps
Copper	63-2	23613228	23113541	22990001	23238924	1.42	cps
Dysprosium	156-1	1175	1283	1308	1256	5.65	cps
Dysprosium	156-2	360	397	353	370	6.31	cps
Erbium	164-1	317	242	217	258	20.15	cps
Erbium	164-2	97	77	103	92	15.05	cps
Gadolinium	160-1	1358	1100	1417	1292	13.05	cps
Gadolinium	160-2	533	473	480	496	6.64	cps
Holmium	165-1	15625409	15458151	15643009	15575523	0.66	cps
Holmium	165-2	5216881	4955452	4934524	5035619	3.12	cps
Indium	115-1	13766838	13862881	13882615	13837445	0.45	cps
Indium	115-2	1700059	1636273	1622080	1652804	2.51	cps
Iron	54-2	19195534	18675816	18615787	18829046	1.69	cps
Iron	56-2	346439608	337508541	335376108	339774752	1.73	cps
Iron	57-2	8586710	8512587	8540010	8546436	0.44	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCV72 Instrumnet Name : P8
 Client Sample ID : CCV72 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:23:14 DataFile Name : 032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1033	1123	1110	1089	4.46	cps
Lead	206-1	21642647	21534189	22451416	21876084	2.29	cps
Lead	207-1	18655745	19557889	19588324	19267319	2.75	cps
Lead	208-1	85532269	87427134	89363641	87441015	2.19	cps
Lithium	6-1	5815472	5774156	5746371	5778666	0.60	cps
Magnesium	24-2	63503018	61725608	62213495	62480707	1.47	cps
Manganese	55-2	9288485	9134305	9089089	9170626	1.14	cps
Molybdenum	94-1	15858163	16253268	15981321	16030917	1.26	cps
Molybdenum	95-1	19351896	19749909	19509217	19537007	1.03	cps
Molybdenum	96-1	21287273	21293396	20941721	21174130	0.95	cps
Molybdenum	97-1	11908147	11967720	11600564	11825477	1.67	cps
Molybdenum	98-1	31046406	30892072	30494400	30810959	0.92	cps
Neodymium	150-1	273	347	320	313	11.85	cps
Neodymium	150-2	23	27	23	24	7.89	cps
Nickel	60-2	810075	796847	792550	799824	1.14	cps
Phosphorus	31-2	30291	30099	29380	29923	1.60	cps
Potassium	39-2	26407669	25633178	25768528	25936458	1.59	cps
Rhodium	103-1	13414563	12994748	12834682	13081331	2.29	cps
Rhodium	103-2	4594539	4359214	4337475	4430409	3.22	cps
Scandium	45-1	11165356	11431314	11118270	11238313	1.50	cps
Scandium	45-2	280863	275551	265973	274129	2.75	cps
Selenium	82-1	141614	142786	141845	142081	0.44	cps
Selenium	77-2	3454	3394	3324	3390	1.92	cps
Selenium	78-2	11339	11520	11567	11475	1.05	cps
Silicon	28-1	6359958	6577164	6673878	6537000	2.46	cps
Silver	107-1	9430232	9487151	9586661	9501348	0.83	cps
Silver	109-1	8743440	9035532	8732196	8837056	1.95	cps
Sodium	23-2	119195294	117761148	116683936	117880126	1.07	cps
Strontium	86-1	25069220	25768770	25899276	25579089	1.74	cps
Strontium	88-1	219461063	227187163	220986055	222544761	1.84	cps
Sulfur	34-1	907648	910869	927665	915394	1.17	cps
Terbium	159-1	16192474	16991808	16142483	16442255	2.90	cps
Terbium	159-2	5329712	5064633	5138759	5177701	2.64	cps
Thallium	203-1	5338484	5393654	5455715	5395951	1.09	cps
Thallium	205-1	12517021	12273605	12621094	12470573	1.43	cps
Tin	118-1	5708790	5619389	5736843	5688341	1.08	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV72	Instrumnet Name :	P8
Client Sample ID :	CCV72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:23:14	DataFile Name :	032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6330932	6388071	6213053	6310685	1.41	cps
Uranium	238-1	16933221	16745308	17140907	16939812	1.17	cps
Vanadium	51-2	1440971	1418271	1406960	1422067	1.22	cps
Ytterbium	172-1	175	125	92	131	32.13	cps
Ytterbium	172-2	39	28	56	41	34.32	cps
Ytterbium	176-1	25008	25851	25701	25520	1.76	cps
Ytterbium	176-2	9698	9960	9798	9819	1.34	cps
Yttrium	89-1	35181844	35396002	36218105	35598651	1.54	cps
Yttrium	89-2	3137557	3041590	2979350	3052832	2.61	cps
Zinc	66-2	2610806	2615187	2624691	2616894	0.27	cps
Zirconium	90-1	13650966	14009369	13951974	13870770	1.39	cps
Zirconium	91-1	3091352	3265101	3155591	3170681	2.77	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCB72 Instrumnet Name : P8
 Client Sample ID : CCB72 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:31:16 DataFile Name : 033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	192	186	215	198	7.64	cps
Antimony	121-1	483	558	725	589	21.01	cps
Arsenic	75-2	7	12	9	9	26.96	cps
Barium	135-1	183	158	58	133	49.61	cps
Barium	137-1	283	350	275	303	13.58	cps
Beryllium	9-1	80	68	74	74	8.10	cps
Bismuth	209-1	9171211	8524694	8768865	8821590	3.70	cps
Bismuth	209-2	3429466	3625377	3198725	3417856	6.25	cps
Boron	10-1	7434	7142	6952	7176	3.38	cps
Boron	11-1	32914	32920	33105	32980	0.33	cps
Bromine	81-1	37248	39185	36937	37790	3.22	cps
Cadmium	111-1	5964	6041	5661	5888	3.41	cps
Cadmium	106-1	8395	8519	7994	8303	3.30	cps
Cadmium	108-1	42	63	50	51	20.40	cps
Calcium	43-1	780	764	751	765	1.88	cps
Calcium	44-1	64649	63947	63096	63897	1.22	cps
Carbon	12-1	7723652	7720829	7674570	7706351	0.36	cps
Carbon	12-2	67832	69038	69389	68753	1.19	cps
Chlorine	35-1	1978637	1859629	1870185	1902817	3.46	cps
Chlorine	35-2	13223	12939	12397	12853	3.26	cps
Chromium	52-2	1380	1287	1117	1261	10.59	cps
Cobalt	59-2	97	63	113	91	27.95	cps
Copper	63-2	1133	1197	1193	1175	3.03	cps
Dysprosium	156-1	8	0	8	6	86.60	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	58	125	83	89	37.88	cps
Erbium	164-2	40	43	30	38	18.36	cps
Gadolinium	160-1	92	117	125	111	15.61	cps
Gadolinium	160-2	40	47	37	41	12.39	cps
Holmium	165-1	15444314	14898931	14990527	15111257	1.93	cps
Holmium	165-2	4813572	5188342	4760872	4920929	4.74	cps
Indium	115-1	14471815	13893151	14139469	14168145	2.05	cps
Indium	115-2	1697393	1811168	1556166	1688242	7.57	cps
Iron	54-2	1056	1033	1072	1054	1.85	cps
Iron	56-2	8214	8503	9831	8849	9.75	cps
Iron	57-2	228	256	294	259	12.92	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCB72 Instrumnet Name : P8
 Client Sample ID : CCB72 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:31:16 DataFile Name : 033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	980	910	983	958	4.32	cps
Lead	206-1	2434	2211	2095	2247	7.66	cps
Lead	207-1	1922	1911	2011	1948	2.81	cps
Lead	208-1	8829	8718	8590	8712	1.37	cps
Lithium	6-1	5768386	5408463	5684052	5620300	3.35	cps
Magnesium	24-2	725	883	1058	889	18.76	cps
Manganese	55-2	180	187	213	193	9.12	cps
Molybdenum	94-1	800	858	800	819	4.11	cps
Molybdenum	95-1	600	442	492	511	15.84	cps
Molybdenum	96-1	967	675	700	781	20.71	cps
Molybdenum	97-1	458	308	333	367	21.92	cps
Molybdenum	98-1	975	742	783	833	14.93	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	7	0	3	3	100.05	cps
Nickel	60-2	153	143	150	149	3.42	cps
Phosphorus	31-2	192	183	200	192	4.35	cps
Potassium	39-2	26525	27076	26800	26800	1.03	cps
Rhodium	103-1	14043464	13560355	13637872	13747230	1.89	cps
Rhodium	103-2	4532386	4906141	4305778	4581435	6.62	cps
Scandium	45-1	11240526	10808959	11034371	11027952	1.96	cps
Scandium	45-2	271404	287677	248115	269065	7.39	cps
Selenium	82-1	62	90	61	71	23.02	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	92	87	79	86	7.62	cps
Silicon	28-1	590767	590985	589505	590419	0.14	cps
Silver	107-1	608	608	575	597	3.22	cps
Silver	109-1	675	500	500	558	18.10	cps
Sodium	23-2	46115	45262	46884	46087	1.76	cps
Strontium	86-1	1942	1967	2000	1970	1.49	cps
Strontium	88-1	2734	3126	2275	2712	15.70	cps
Sulfur	34-1	406235	412780	407980	408998	0.83	cps
Terbium	159-1	16588143	15773088	16122247	16161159	2.53	cps
Terbium	159-2	5091860	5372340	4668402	5044201	7.03	cps
Thallium	203-1	1008	933	817	920	10.50	cps
Thallium	205-1	2117	1759	1867	1914	9.60	cps
Tin	118-1	2292	2325	1992	2203	8.34	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB72	Instrumnet Name :	P8
Client Sample ID :	CCB72	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:31:16	DataFile Name :	033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	242	325	292	286	14.66	cps
Uranium	238-1	225	175	158	186	18.64	cps
Vanadium	51-2	17	17	7	13	43.29	cps
Ytterbium	172-1	58	33	33	42	34.65	cps
Ytterbium	172-2	6	44	17	22	90.12	cps
Ytterbium	176-1	1842	1817	1759	1806	2.37	cps
Ytterbium	176-2	1989	2267	2128	2128	6.53	cps
Yttrium	89-1	35917600	33716204	34171047	34601617	3.36	cps
Yttrium	89-2	2970444	3132846	2720116	2941135	7.07	cps
Zinc	66-2	503	580	470	518	10.89	cps
Zirconium	90-1	1658	1708	1392	1586	10.73	cps
Zirconium	91-1	283	308	225	272	15.71	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-02	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:34:16	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11974	11302	10864	11380	4.91	cps
Antimony	121-1	2459	2334	2584	2459	5.09	cps
Arsenic	75-2	1763	1740	1651	1718	3.44	cps
Barium	135-1	446732	460019	466175	457642	2.17	cps
Barium	137-1	780747	810863	813322	801644	2.26	cps
Beryllium	9-1	166	198	188	184	8.90	cps
Bismuth	209-1	9054744	9255819	9199179	9169914	1.13	cps
Bismuth	209-2	3579371	3411272	3428855	3473166	2.66	cps
Boron	10-1	50779	54018	54809	53202	4.01	cps
Boron	11-1	243583	263191	270697	259157	5.40	cps
Bromine	81-1	156531	184620	207641	182931	13.99	cps
Cadmium	111-1	6026	6243	6252	6173	2.07	cps
Cadmium	106-1	8511	8895	8853	8753	2.40	cps
Cadmium	108-1	129	96	58	94	37.53	cps
Calcium	43-1	1417788	1438636	1451603	1436009	1.19	cps
Calcium	44-1	23000868	23610088	23798650	23469868	1.78	cps
Carbon	12-1	18441858	20269118	20898068	19869681	6.42	cps
Carbon	12-2	189646	193587	195360	192865	1.52	cps
Chlorine	35-1	2308367	2382584	2461496	2384149	3.21	cps
Chlorine	35-2	16994	17102	16426	16841	2.16	cps
Chromium	52-2	6041	6025	6215	6094	1.73	cps
Cobalt	59-2	29387	29611	28709	29236	1.61	cps
Copper	63-2	19547	19407	17908	18954	4.79	cps
Dysprosium	156-1	2700	2442	2759	2634	6.40	cps
Dysprosium	156-2	810	970	877	886	9.08	cps
Erbium	164-1	2125	2175	2425	2242	7.17	cps
Erbium	164-2	723	673	743	713	5.05	cps
Gadolinium	160-1	2750	2850	2625	2742	4.11	cps
Gadolinium	160-2	1080	1077	917	1025	9.11	cps
Holmium	165-1	15902786	15608226	15659577	15723530	1.00	cps
Holmium	165-2	5448903	5133943	5163350	5248732	3.31	cps
Indium	115-1	14449088	14808475	14928732	14728765	1.69	cps
Indium	115-2	1845574	1764273	1709618	1773155	3.86	cps
Iron	54-2	4148214	4090827	3894701	4044581	3.29	cps
Iron	56-2	73869766	73995696	70901285	72922249	2.40	cps
Iron	57-2	1923963	1882374	1800864	1869067	3.35	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-02	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:34:16	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	993	1050	937	993	5.70	cps
Lead	206-1	8553	8459	9081	8698	3.86	cps
Lead	207-1	7519	7869	7630	7673	2.33	cps
Lead	208-1	34040	34880	35375	34765	1.94	cps
Lithium	6-1	5909749	5778767	6029097	5905871	2.12	cps
Magnesium	24-2	2503839	2522453	2465683	2497325	1.16	cps
Manganese	55-2	4694696	4734698	4518335	4649243	2.48	cps
Molybdenum	94-1	3734	3692	4176	3867	6.93	cps
Molybdenum	95-1	3551	3551	3084	3395	7.94	cps
Molybdenum	96-1	6502	6218	7319	6680	8.56	cps
Molybdenum	97-1	1942	1850	1917	1903	2.49	cps
Molybdenum	98-1	4959	4759	4784	4834	2.26	cps
Neodymium	150-1	3814	4001	3727	3847	3.63	cps
Neodymium	150-2	977	807	850	878	10.06	cps
Nickel	60-2	12679	12976	12342	12666	2.50	cps
Phosphorus	31-2	933	917	875	908	3.31	cps
Potassium	39-2	822563	805830	800881	809758	1.40	cps
Rhodium	103-1	14330854	14151190	14662695	14381580	1.80	cps
Rhodium	103-2	5059781	4797291	4731428	4862833	3.57	cps
Scandium	45-1	11512042	11780708	11723124	11671958	1.21	cps
Scandium	45-2	293567	280970	276132	283557	3.17	cps
Selenium	82-1	199	174	243	205	16.96	cps
Selenium	77-2	27	13	17	19	36.75	cps
Selenium	78-2	144	113	115	124	13.99	cps
Silicon	28-1	60954131	62426116	62045978	61808742	1.24	cps
Silver	107-1	1542	1592	1658	1597	3.67	cps
Silver	109-1	1475	1333	1458	1422	5.44	cps
Sodium	23-2	13811435	13566544	13315422	13564467	1.83	cps
Strontium	86-1	603231	604173	621122	609509	1.65	cps
Strontium	88-1	5349674	5388904	5494530	5411036	1.38	cps
Sulfur	34-1	3492818	3535467	3554779	3527688	0.90	cps
Terbium	159-1	17005099	16463155	16926459	16798238	1.74	cps
Terbium	159-2	5572144	5275367	5241444	5362985	3.39	cps
Thallium	203-1	767	883	825	825	7.07	cps
Thallium	205-1	1909	1892	1708	1836	6.04	cps
Tin	118-1	3042	2875	3025	2981	3.08	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-02	Instrumnet Name :	P8
Client Sample ID :	P287-DITCH	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:34:16	DataFile Name :	034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6702	6452	7711	6955	9.59	cps
Uranium	238-1	1592	1242	1533	1456	12.88	cps
Vanadium	51-2	3420	3254	3277	3317	2.72	cps
Ytterbium	172-1	958	842	892	897	6.52	cps
Ytterbium	172-2	333	344	328	335	2.53	cps
Ytterbium	176-1	2542	2575	2750	2623	4.27	cps
Ytterbium	176-2	2467	2484	2511	2487	0.90	cps
Yttrium	89-1	36597489	35362139	36332414	36097347	1.80	cps
Yttrium	89-2	3288023	3051345	3057954	3132441	4.30	cps
Zinc	66-2	15215	14955	14975	15048	0.96	cps
Zirconium	90-1	5168	5435	5718	5440	5.06	cps
Zirconium	91-1	1292	2505	1659	1818	34.20	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : M4130-04 Instrumnet Name : P8
 Client Sample ID : SW-RR-03-(SA) Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:37:12 DataFile Name : 035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10935	9821	10030	10262	5.77	cps
Antimony	121-1	4751	4776	5626	5051	9.87	cps
Arsenic	75-2	267	286	303	285	6.31	cps
Barium	135-1	166170	168597	170323	168364	1.24	cps
Barium	137-1	285318	294637	297922	292626	2.23	cps
Beryllium	9-1	114	108	90	104	12.01	cps
Bismuth	209-1	8684296	9256660	8563119	8834692	4.19	cps
Bismuth	209-2	3455347	3474585	3388663	3439532	1.31	cps
Boron	10-1	43496	46464	48430	46130	5.38	cps
Boron	11-1	206984	223159	235276	221806	6.40	cps
Bromine	81-1	128353	138481	142794	136543	5.43	cps
Cadmium	111-1	6364	6381	5819	6188	5.17	cps
Cadmium	106-1	9003	8978	8253	8745	4.87	cps
Cadmium	108-1	67	71	71	69	3.46	cps
Calcium	43-1	1522762	1507640	1564879	1531760	1.94	cps
Calcium	44-1	24681989	24557874	25421457	24887107	1.88	cps
Carbon	12-1	15605687	16599379	17513143	16572736	5.76	cps
Carbon	12-2	157455	158642	162577	159558	1.68	cps
Chlorine	35-1	2935478	3106859	3226163	3089500	4.73	cps
Chlorine	35-2	23077	23394	23061	23177	0.81	cps
Chromium	52-2	3047	3240	3154	3147	3.08	cps
Cobalt	59-2	1407	1307	1400	1371	4.08	cps
Copper	63-2	13957	13380	13573	13637	2.15	cps
Dysprosium	156-1	1225	958	875	1020	17.93	cps
Dysprosium	156-2	363	310	307	327	9.73	cps
Erbium	164-1	683	508	567	586	15.20	cps
Erbium	164-2	157	153	167	159	4.37	cps
Gadolinium	160-1	1200	1275	1042	1172	10.16	cps
Gadolinium	160-2	370	393	377	380	3.16	cps
Holmium	165-1	15451803	15832587	15071886	15452092	2.46	cps
Holmium	165-2	5261028	5124689	5100565	5162094	1.68	cps
Indium	115-1	14358832	15048465	14062987	14490095	3.49	cps
Indium	115-2	1783084	1736577	1700995	1740219	2.37	cps
Iron	54-2	53261	52468	53495	53075	1.01	cps
Iron	56-2	965276	950296	944199	953257	1.14	cps
Iron	57-2	24443	24805	24332	24527	1.01	cps

LB Number :	Ib116754	Operator :	Jaswal
Lab Sample ID :	M4130-04	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:37:12	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1107	1053	1083	1081	2.47	cps
Lead	206-1	4784	4807	5079	4890	3.35	cps
Lead	207-1	4179	4540	3923	4214	7.36	cps
Lead	208-1	19034	19206	18811	19017	1.04	cps
Lithium	6-1	5482061	5915247	5699285	5698864	3.80	cps
Magnesium	24-2	2604501	2515813	2468984	2529766	2.72	cps
Manganese	55-2	215344	212296	207574	211738	1.85	cps
Molybdenum	94-1	7210	6735	7102	7016	3.55	cps
Molybdenum	95-1	10312	10579	10529	10474	1.35	cps
Molybdenum	96-1	11847	11422	12172	11814	3.19	cps
Molybdenum	97-1	6152	6827	6435	6471	5.24	cps
Molybdenum	98-1	16544	16510	16352	16469	0.62	cps
Neodymium	150-1	640	647	520	602	11.84	cps
Neodymium	150-2	123	137	157	139	12.08	cps
Nickel	60-2	2217	2244	2267	2242	1.12	cps
Phosphorus	31-2	2509	2567	2409	2495	3.21	cps
Potassium	39-2	825418	815259	801605	814094	1.47	cps
Rhodium	103-1	14001086	14609276	13641603	14083989	3.47	cps
Rhodium	103-2	4994810	4739725	4613092	4782542	4.07	cps
Scandium	45-1	11100235	11929672	11126382	11385430	4.14	cps
Scandium	45-2	288053	281588	275845	281828	2.17	cps
Selenium	82-1	9	29	71	36	87.64	cps
Selenium	77-2	7	10	0	6	91.64	cps
Selenium	78-2	110	99	109	106	5.74	cps
Silicon	28-1	47305771	47801821	48773995	47960529	1.56	cps
Silver	107-1	508	433	433	458	9.45	cps
Silver	109-1	475	408	350	411	15.21	cps
Sodium	23-2	17124962	16547021	16735210	16802398	1.75	cps
Strontium	86-1	777586	804803	813106	798498	2.33	cps
Strontium	88-1	6828378	7101623	7048884	6992962	2.07	cps
Sulfur	34-1	1225942	1241179	1239914	1235678	0.68	cps
Terbium	159-1	16506927	16911680	16155574	16524727	2.29	cps
Terbium	159-2	5281864	5193158	5137171	5204064	1.40	cps
Thallium	203-1	925	783	942	883	9.85	cps
Thallium	205-1	1750	1692	1658	1700	2.73	cps
Tin	118-1	2817	3209	3084	3037	6.59	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-04	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:37:12	DataFile Name :	035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	7519	7369	7777	7555	2.74	cps
Uranium	238-1	4368	4901	4884	4718	6.43	cps
Vanadium	51-2	2477	2527	2504	2502	1.00	cps
Ytterbium	172-1	267	300	300	289	6.66	cps
Ytterbium	172-2	128	106	133	122	12.03	cps
Ytterbium	176-1	2100	1942	1975	2006	4.16	cps
Ytterbium	176-2	1867	2056	2128	2017	6.69	cps
Yttrium	89-1	35265969	37060554	34186109	35504211	4.09	cps
Yttrium	89-2	3207038	3093327	3026609	3108991	2.93	cps
Zinc	66-2	16880	17084	16309	16758	2.40	cps
Zirconium	90-1	2975	6350	3917	4414	39.44	cps
Zirconium	91-1	583	875	717	725	20.14	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-06	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:40:06	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10144	9327	9915	9795	4.30	cps
Antimony	121-1	1367	1308	1517	1397	7.69	cps
Arsenic	75-2	215	206	210	210	2.14	cps
Barium	135-1	143119	146995	140576	143563	2.25	cps
Barium	137-1	253711	252398	246233	250781	1.59	cps
Beryllium	9-1	126	88	100	105	18.56	cps
Bismuth	209-1	9093970	9580455	9253552	9309326	2.66	cps
Bismuth	209-2	3573990	3595830	3485742	3551854	1.64	cps
Boron	10-1	26845	28164	27993	27667	2.59	cps
Boron	11-1	131527	136800	136348	134891	2.17	cps
Bromine	81-1	106874	119710	120384	115656	6.58	cps
Cadmium	111-1	6258	6655	6615	6510	3.36	cps
Cadmium	106-1	8853	9378	9429	9220	3.46	cps
Cadmium	108-1	121	50	121	97	42.07	cps
Calcium	43-1	1318890	1306324	1316512	1313909	0.51	cps
Calcium	44-1	21214601	21732790	21149308	21365566	1.50	cps
Carbon	12-1	15796256	16884819	17860973	16847349	6.13	cps
Carbon	12-2	157987	159696	157878	158520	0.64	cps
Chlorine	35-1	3178318	3206307	3272840	3219155	1.51	cps
Chlorine	35-2	22101	22969	22819	22629	2.05	cps
Chromium	52-2	2324	2220	2414	2319	4.17	cps
Cobalt	59-2	820	907	783	837	7.57	cps
Copper	63-2	8016	8246	7799	8020	2.79	cps
Dysprosium	156-1	567	675	700	647	10.95	cps
Dysprosium	156-2	243	170	187	200	19.22	cps
Erbium	164-1	567	517	700	594	15.94	cps
Erbium	164-2	210	177	220	202	11.22	cps
Gadolinium	160-1	725	725	617	689	9.08	cps
Gadolinium	160-2	270	220	237	242	10.51	cps
Holmium	165-1	15665709	16116675	16106636	15963007	1.61	cps
Holmium	165-2	5343689	5502156	5066300	5304048	4.16	cps
Indium	115-1	14573586	14724976	15174266	14824276	2.11	cps
Indium	115-2	1809963	1840737	1825114	1825271	0.84	cps
Iron	54-2	35372	34470	34019	34620	1.99	cps
Iron	56-2	622436	625831	617998	622088	0.63	cps
Iron	57-2	15553	15342	15865	15587	1.69	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-06	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:40:06	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1013	930	1077	1007	7.31	cps
Lead	206-1	4262	3917	3995	4058	4.45	cps
Lead	207-1	3617	3423	3284	3441	4.87	cps
Lead	208-1	16460	15459	15326	15748	3.94	cps
Lithium	6-1	5901193	6041200	6183502	6041965	2.34	cps
Magnesium	24-2	2283727	2282020	2242747	2269498	1.02	cps
Manganese	55-2	57820	56893	56093	56935	1.52	cps
Molybdenum	94-1	4301	3809	3651	3920	8.65	cps
Molybdenum	95-1	5626	5926	5601	5718	3.16	cps
Molybdenum	96-1	6027	5460	5951	5813	5.30	cps
Molybdenum	97-1	3551	3184	3217	3317	6.11	cps
Molybdenum	98-1	9053	8328	8470	8617	4.46	cps
Neodymium	150-1	613	660	707	660	7.07	cps
Neodymium	150-2	137	143	177	152	14.08	cps
Nickel	60-2	1133	1137	1143	1138	0.45	cps
Phosphorus	31-2	525	425	517	489	11.35	cps
Potassium	39-2	529369	529581	518996	525982	1.15	cps
Rhodium	103-1	14493283	14992292	14985087	14823554	1.93	cps
Rhodium	103-2	4953574	5024163	4882145	4953294	1.43	cps
Scandium	45-1	11658227	11882629	12019326	11853394	1.54	cps
Scandium	45-2	286310	298079	287759	290716	2.21	cps
Selenium	82-1	132	193	60	128	51.80	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	100	98	95	98	2.58	cps
Silicon	28-1	47620892	47997594	47357565	47658683	0.67	cps
Silver	107-1	408	333	475	406	17.48	cps
Silver	109-1	308	242	308	286	13.45	cps
Sodium	23-2	11449161	11484086	11184084	11372444	1.44	cps
Strontium	86-1	670631	676628	682766	676675	0.90	cps
Strontium	88-1	5875735	5945928	5965222	5928962	0.79	cps
Sulfur	34-1	888842	896997	889263	891700	0.51	cps
Terbium	159-1	17242652	17463687	17114093	17273478	1.02	cps
Terbium	159-2	5413199	5566907	5231334	5403813	3.11	cps
Thallium	203-1	800	667	633	700	12.60	cps
Thallium	205-1	1708	1842	1608	1720	6.81	cps
Tin	118-1	2467	2617	2450	2511	3.66	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-06	Instrumnet Name :	P8
Client Sample ID :	SW-RR-01-(2.0)	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:40:06	DataFile Name :	036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	8916	8178	8320	8471	4.63	cps
Uranium	238-1	5818	5693	5410	5640	3.71	cps
Vanadium	51-2	2557	2430	2327	2438	4.73	cps
Ytterbium	172-1	283	267	317	289	8.81	cps
Ytterbium	172-2	94	94	111	100	9.62	cps
Ytterbium	176-1	2042	1950	2350	2114	9.91	cps
Ytterbium	176-2	2039	2145	2184	2122	3.52	cps
Yttrium	89-1	35869084	36632522	37426734	36642780	2.13	cps
Yttrium	89-2	3170467	3254714	3125438	3183539	2.06	cps
Zinc	66-2	13406	13480	13213	13366	1.03	cps
Zirconium	90-1	2917	2417	2675	2670	9.37	cps
Zirconium	91-1	575	483	475	511	10.86	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : M4130-03MS Instrumnet Name : P8
 Client Sample ID : SW-RR-03-(SA)MS Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:43:03 DataFile Name : 037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	845931	840408	824330	836890	1.34	cps
Antimony	121-1	6014459	6136493	6096539	6082497	1.02	cps
Arsenic	75-2	159518	157463	157778	158253	0.70	cps
Barium	135-1	8194498	8267961	8327018	8263159	0.80	cps
Barium	137-1	13557225	14051994	14574176	14061132	3.62	cps
Beryllium	9-1	1913395	1979112	1968565	1953691	1.81	cps
Bismuth	209-1	8539998	8568103	8715587	8607896	1.10	cps
Bismuth	209-2	3361107	3384682	3200065	3315285	3.03	cps
Boron	10-1	256954	270310	283010	270091	4.82	cps
Boron	11-1	1144139	1231594	1256139	1210624	4.86	cps
Bromine	81-1	108245	117074	122687	116002	6.28	cps
Cadmium	111-1	1765370	1780514	1790872	1778919	0.72	cps
Cadmium	106-1	189337	191885	198802	193341	2.53	cps
Cadmium	108-1	124815	126651	131462	127643	2.69	cps
Calcium	43-1	4215943	4372187	4450093	4346074	2.74	cps
Calcium	44-1	67485469	68161670	69845074	68497405	1.77	cps
Carbon	12-1	17291183	18202596	19087142	18193640	4.94	cps
Carbon	12-2	168702	172750	177346	172933	2.50	cps
Chlorine	35-1	3695643	3864805	3978336	3846261	3.70	cps
Chlorine	35-2	27836	27619	28320	27925	1.29	cps
Chromium	52-2	1742207	1764128	1743380	1749905	0.70	cps
Cobalt	59-2	3082145	2987379	3029782	3033102	1.57	cps
Copper	63-2	25145580	24631089	24192773	24656481	1.93	cps
Dysprosium	156-1	1317	1542	1150	1336	14.71	cps
Dysprosium	156-2	447	420	430	432	3.12	cps
Erbium	164-1	558	642	467	556	15.76	cps
Erbium	164-2	160	187	167	171	8.11	cps
Gadolinium	160-1	1308	1550	1333	1397	9.51	cps
Gadolinium	160-2	550	417	457	474	14.42	cps
Holmium	165-1	15108659	15479531	15411901	15333364	1.29	cps
Holmium	165-2	4912598	5076829	4901737	4963721	1.98	cps
Indium	115-1	13824378	13952019	13953353	13909917	0.53	cps
Indium	115-2	1611318	1645572	1638107	1631666	1.10	cps
Iron	54-2	3903185	3838851	3855435	3865824	0.86	cps
Iron	56-2	69840214	66784156	68031182	68218517	2.25	cps
Iron	57-2	1771441	1736954	1747700	1752032	1.01	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MS	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:43:03	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1007	1013	1027	1016	1.00	cps
Lead	206-1	22436354	22785277	22590834	22604155	0.77	cps
Lead	207-1	19477018	19252184	20066894	19598699	2.15	cps
Lead	208-1	89125910	87125421	92443246	89564859	3.00	cps
Lithium	6-1	5559425	5550233	5692201	5600619	1.42	cps
Magnesium	24-2	14139360	13938438	13785751	13954516	1.27	cps
Manganese	55-2	9850842	9598378	9661984	9703735	1.35	cps
Molybdenum	94-1	15341096	14994006	15403559	15246220	1.45	cps
Molybdenum	95-1	18831911	18307172	18796435	18645173	1.57	cps
Molybdenum	96-1	20942936	20425922	20851162	20740007	1.33	cps
Molybdenum	97-1	11291958	11428103	11512789	11410950	0.98	cps
Molybdenum	98-1	29533544	29148364	30101747	29594552	1.62	cps
Neodymium	150-1	900	887	820	869	4.93	cps
Neodymium	150-2	150	190	147	162	14.86	cps
Nickel	60-2	792406	780351	775512	782756	1.11	cps
Phosphorus	31-2	2409	2325	2525	2420	4.15	cps
Potassium	39-2	5747143	5896825	5670954	5771640	1.99	cps
Rhodium	103-1	12856744	13307145	13679481	13281123	3.10	cps
Rhodium	103-2	4534452	4501651	4455514	4497206	0.88	cps
Scandium	45-1	10819457	10895665	10932619	10882580	0.53	cps
Scandium	45-2	274961	267584	261522	268022	2.51	cps
Selenium	82-1	134449	135197	136469	135372	0.75	cps
Selenium	77-2	3194	3020	3230	3148	3.56	cps
Selenium	78-2	10652	10563	10714	10643	0.71	cps
Silicon	28-1	50444721	52031231	52696519	51724157	2.24	cps
Silver	107-1	7324544	7287930	7526480	7379651	1.74	cps
Silver	109-1	6711902	6944851	6427485	6694746	3.87	cps
Sodium	23-2	39125871	39106149	39055473	39095831	0.09	cps
Strontium	86-1	25284303	25157364	25749535	25397068	1.23	cps
Strontium	88-1	219120663	223219147	226630938	222990249	1.69	cps
Sulfur	34-1	1141700	1178717	1190301	1170239	2.17	cps
Terbium	159-1	16433201	16620436	16899659	16651099	1.41	cps
Terbium	159-2	5153376	5056768	5006986	5072377	1.47	cps
Thallium	203-1	5453328	5626518	5601532	5560459	1.68	cps
Thallium	205-1	12549611	12790978	12948217	12762935	1.57	cps
Tin	118-1	5657561	5671037	5672086	5666895	0.14	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MS	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MS	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:43:03	DataFile Name :	037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6134384	5964591	6176166	6091714	1.84	cps
Uranium	238-1	16660733	16479649	16897752	16679378	1.26	cps
Vanadium	51-2	1437176	1384026	1365093	1395432	2.68	cps
Ytterbium	172-1	333	317	292	314	6.68	cps
Ytterbium	172-2	150	94	94	113	28.39	cps
Ytterbium	176-1	2417	2234	2259	2303	4.32	cps
Ytterbium	176-2	1850	2084	2239	2058	9.51	cps
Yttrium	89-1	33398675	35460279	34363324	34407426	3.00	cps
Yttrium	89-2	3002754	2913613	2865289	2927219	2.38	cps
Zinc	66-2	2784241	2753504	2729597	2755781	0.99	cps
Zirconium	90-1	12667538	13142599	13239920	13016686	2.35	cps
Zirconium	91-1	2879987	2864360	2996466	2913604	2.48	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MSD	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MSD	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:45:56	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	826443	830986	825400	827609	0.36	cps
Antimony	121-1	6014161	6096591	6133448	6081400	1.00	cps
Arsenic	75-2	154576	154659	155667	154967	0.39	cps
Barium	135-1	8193173	8357456	8246987	8265872	1.01	cps
Barium	137-1	14084165	14313015	14180484	14192555	0.81	cps
Beryllium	9-1	1944850	1959190	1936716	1946919	0.58	cps
Bismuth	209-1	8460471	8386534	8486544	8444516	0.61	cps
Bismuth	209-2	3223167	3211202	3282498	3238955	1.18	cps
Boron	10-1	277819	285631	292568	285339	2.59	cps
Boron	11-1	1201803	1297954	1294342	1264700	4.31	cps
Bromine	81-1	102701	113703	119003	111802	7.44	cps
Cadmium	111-1	1799175	1801056	1852508	1817579	1.67	cps
Cadmium	106-1	189696	195326	189350	191457	1.75	cps
Cadmium	108-1	125910	126824	129019	127251	1.26	cps
Calcium	43-1	4410121	4317564	4265147	4330944	1.69	cps
Calcium	44-1	69518295	67938475	68313511	68590094	1.20	cps
Carbon	12-1	17443188	18622959	19253276	18439808	4.98	cps
Carbon	12-2	170406	174908	179201	174839	2.52	cps
Chlorine	35-1	4098384	4265147	4308913	4224148	2.63	cps
Chlorine	35-2	28170	28662	30382	29071	4.00	cps
Chromium	52-2	1735934	1716886	1712374	1721732	0.73	cps
Cobalt	59-2	2962073	2986867	3019127	2989356	0.96	cps
Copper	63-2	25014585	24821404	24719045	24851678	0.60	cps
Dysprosium	156-1	1175	1417	1275	1289	9.42	cps
Dysprosium	156-2	363	397	347	369	6.90	cps
Erbium	164-1	608	675	525	603	12.47	cps
Erbium	164-2	163	117	200	160	26.10	cps
Gadolinium	160-1	1050	1408	1442	1300	16.70	cps
Gadolinium	160-2	437	523	440	467	10.52	cps
Holmium	165-1	15594497	15337397	15800951	15577615	1.49	cps
Holmium	165-2	4965131	4909162	4855502	4909932	1.12	cps
Indium	115-1	13827774	14046933	13729106	13867938	1.17	cps
Indium	115-2	1629133	1646675	1640108	1638638	0.54	cps
Iron	54-2	3893677	3921050	3837602	3884110	1.10	cps
Iron	56-2	69529600	70529065	69606946	69888537	0.80	cps
Iron	57-2	1759556	1788703	1765663	1771307	0.87	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MSD	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MSD	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:45:56	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1010	950	933	964	4.18	cps
Lead	206-1	22462445	23357873	22915931	22912083	1.95	cps
Lead	207-1	20025338	20295244	20035771	20118784	0.76	cps
Lead	208-1	89754813	91629772	90456945	90613843	1.05	cps
Lithium	6-1	5724732	5669727	5522407	5638955	1.86	cps
Magnesium	24-2	14480279	14713395	14343068	14512247	1.29	cps
Manganese	55-2	9663911	9825943	9699727	9729861	0.87	cps
Molybdenum	94-1	15242376	15351435	15459857	15351222	0.71	cps
Molybdenum	95-1	18476672	19101248	19170958	18916293	2.02	cps
Molybdenum	96-1	20663596	21366654	20975871	21002040	1.68	cps
Molybdenum	97-1	11514886	11623197	11455760	11531281	0.74	cps
Molybdenum	98-1	29505507	30033830	29857062	29798800	0.90	cps
Neodymium	150-1	720	1087	733	847	24.56	cps
Neodymium	150-2	73	143	100	106	33.47	cps
Nickel	60-2	767076	768420	769682	768393	0.17	cps
Phosphorus	31-2	2192	2109	2167	2156	1.98	cps
Potassium	39-2	5619442	5755955	5730951	5702116	1.27	cps
Rhodium	103-1	13073276	13285665	12990298	13116413	1.16	cps
Rhodium	103-2	4424674	4536482	4559603	4506920	1.60	cps
Scandium	45-1	11002975	10953713	10979691	10978793	0.22	cps
Scandium	45-2	260033	263911	269955	264633	1.89	cps
Selenium	82-1	133911	135339	134705	134651	0.53	cps
Selenium	77-2	3020	3224	3220	3155	3.69	cps
Selenium	78-2	10589	10355	10420	10455	1.16	cps
Silicon	28-1	50562296	52367799	51427117	51452404	1.76	cps
Silver	107-1	8144670	7666311	8256349	8022444	3.91	cps
Silver	109-1	6558360	7045689	7703417	7102488	8.09	cps
Sodium	23-2	38441264	38829185	38230891	38500447	0.79	cps
Strontium	86-1	25209393	25607188	25709054	25508545	1.04	cps
Strontium	88-1	219122372	220725013	218843672	219563685	0.46	cps
Sulfur	34-1	1146049	1148599	1136464	1143704	0.56	cps
Terbium	159-1	16273290	16578986	16957175	16603150	2.06	cps
Terbium	159-2	5026329	5062425	5023647	5037467	0.43	cps
Thallium	203-1	5651427	5636124	5758880	5682144	1.18	cps
Thallium	205-1	12623546	12950497	12966379	12846807	1.51	cps
Tin	118-1	5663137	5803977	5816508	5761207	1.48	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03MSD	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)MSD	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:45:56	DataFile Name :	038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6053928	6124925	6130892	6103248	0.70	cps
Uranium	238-1	16366546	16535602	17286205	16729451	2.93	cps
Vanadium	51-2	1418583	1388918	1378626	1395376	1.49	cps
Ytterbium	172-1	342	350	250	314	17.68	cps
Ytterbium	172-2	100	106	133	113	15.81	cps
Ytterbium	176-1	1809	2034	1984	1942	6.09	cps
Ytterbium	176-2	1906	2167	2084	2052	6.50	cps
Yttrium	89-1	34588059	34335828	34610726	34511538	0.44	cps
Yttrium	89-2	2900363	2937018	2967081	2934821	1.14	cps
Zinc	66-2	2811373	2808527	2833382	2817761	0.48	cps
Zirconium	90-1	13267430	13221755	13037929	13175705	0.92	cps
Zirconium	91-1	2936794	3003340	2963257	2967797	1.13	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03A	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)A	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:48:52	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	861608	865304	854915	860609	0.61	cps
Antimony	121-1	5826795	5934899	6184061	5981918	3.06	cps
Arsenic	75-2	163420	163151	161330	162634	0.70	cps
Barium	135-1	7988090	8240119	8426223	8218144	2.68	cps
Barium	137-1	13645672	14154716	14638990	14146459	3.51	cps
Beryllium	9-1	1873645	1936844	1921564	1910684	1.73	cps
Bismuth	209-1	8327216	8095417	8486250	8302961	2.37	cps
Bismuth	209-2	3426411	3310961	3432442	3389938	2.02	cps
Boron	10-1	267107	285080	291336	281174	4.47	cps
Boron	11-1	1164311	1279915	1289274	1244500	5.59	cps
Bromine	81-1	110074	111930	123406	115137	6.27	cps
Cadmium	111-1	1696259	1707464	1690377	1698033	0.51	cps
Cadmium	106-1	179358	190795	191124	187092	3.58	cps
Cadmium	108-1	122384	125202	127757	125114	2.15	cps
Calcium	43-1	4264589	4182842	4268876	4238769	1.14	cps
Calcium	44-1	68475348	66756053	67052933	67428112	1.36	cps
Carbon	12-1	16642474	17785698	18224355	17550842	4.65	cps
Carbon	12-2	165147	169174	171231	168517	1.84	cps
Chlorine	35-1	4104695	4111403	4214622	4143573	1.49	cps
Chlorine	35-2	29105	29948	29547	29533	1.43	cps
Chromium	52-2	1818154	1817134	1804126	1813138	0.43	cps
Cobalt	59-2	3109450	3054724	3148433	3104202	1.52	cps
Copper	63-2	25693188	25375667	25380185	25483013	0.71	cps
Dysprosium	156-1	1242	1208	1183	1211	2.42	cps
Dysprosium	156-2	437	420	407	421	3.57	cps
Erbium	164-1	550	600	475	542	11.62	cps
Erbium	164-2	177	197	167	180	8.49	cps
Gadolinium	160-1	1150	1408	1317	1292	10.14	cps
Gadolinium	160-2	503	557	510	523	5.55	cps
Holmium	165-1	14760215	15055318	14524079	14779871	1.80	cps
Holmium	165-2	5134867	5097647	5065672	5099395	0.68	cps
Indium	115-1	13489219	13325314	13171213	13328582	1.19	cps
Indium	115-2	1709963	1713989	1711228	1711727	0.12	cps
Iron	54-2	3981030	4036881	4016535	4011482	0.70	cps
Iron	56-2	71256413	71638240	72008560	71634404	0.53	cps
Iron	57-2	1829671	1815883	1784340	1809965	1.28	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03A	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)A	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:48:52	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	947	967	1103	1006	8.48	cps
Lead	206-1	22321616	22100486	22985859	22469320	2.05	cps
Lead	207-1	19704170	19202946	19233400	19380172	1.45	cps
Lead	208-1	89303113	87660527	89678679	88880773	1.21	cps
Lithium	6-1	5492797	5366145	5504952	5454631	1.41	cps
Magnesium	24-2	14579509	15026336	14543939	14716595	1.83	cps
Manganese	55-2	9963487	10177956	10345549	10162331	1.88	cps
Molybdenum	94-1	14703994	15235749	14951472	14963738	1.78	cps
Molybdenum	95-1	18610229	18975924	18932747	18839633	1.06	cps
Molybdenum	96-1	20424869	20671161	20882347	20659459	1.11	cps
Molybdenum	97-1	10953708	11392730	11156869	11167769	1.97	cps
Molybdenum	98-1	28622071	29837211	29089853	29183045	2.10	cps
Neodymium	150-1	780	980	813	858	12.49	cps
Neodymium	150-2	147	127	137	137	7.32	cps
Nickel	60-2	803517	804089	807269	804958	0.25	cps
Phosphorus	31-2	2634	2800	2209	2548	11.98	cps
Potassium	39-2	5926000	5862469	5946364	5911611	0.74	cps
Rhodium	103-1	12990897	13189696	12608583	12929726	2.28	cps
Rhodium	103-2	4694042	4749124	4764561	4735909	0.78	cps
Scandium	45-1	10933096	10524798	10778405	10745433	1.92	cps
Scandium	45-2	276714	275329	275015	275686	0.33	cps
Selenium	82-1	130428	132333	134236	132333	1.44	cps
Selenium	77-2	3407	3177	3544	3376	5.49	cps
Selenium	78-2	10995	11110	10944	11017	0.77	cps
Silicon	28-1	49590739	50255417	50201449	50015868	0.74	cps
Silver	107-1	9004057	7252504	7263323	7839961	12.86	cps
Silver	109-1	8001229	7950730	7565799	7839253	3.04	cps
Sodium	23-2	39642365	41018485	40475981	40378944	1.72	cps
Strontium	86-1	24729751	24779669	25444085	24984502	1.60	cps
Strontium	88-1	213240796	215197863	217926130	215454930	1.09	cps
Sulfur	34-1	1118967	1113031	1114119	1115373	0.28	cps
Terbium	159-1	15751021	16158331	15752653	15887335	1.48	cps
Terbium	159-2	5305058	5280094	5226571	5270574	0.76	cps
Thallium	203-1	5401296	5485822	5763038	5550052	3.41	cps
Thallium	205-1	12692002	12741643	13327874	12920506	2.74	cps
Tin	118-1	5553479	5580692	5584503	5572891	0.30	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	M4130-03A	Instrumnet Name :	P8
Client Sample ID :	SW-RR-03-(SA)A	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:48:52	DataFile Name :	039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	5871569	6018567	6013535	5967890	1.40	cps
Uranium	238-1	15690378	16433481	17031321	16385060	4.10	cps
Vanadium	51-2	1446182	1449749	1444162	1446698	0.20	cps
Ytterbium	172-1	250	333	292	292	14.29	cps
Ytterbium	172-2	94	100	139	111	21.79	cps
Ytterbium	176-1	1925	2217	2384	2175	10.67	cps
Ytterbium	176-2	1967	2445	2306	2239	10.98	cps
Yttrium	89-1	34786034	33259073	34149533	34064880	2.25	cps
Yttrium	89-2	3058869	3115151	3019501	3064507	1.57	cps
Zinc	66-2	2922937	2888612	2831847	2881132	1.60	cps
Zirconium	90-1	12887093	13007584	12825310	12906662	0.72	cps
Zirconium	91-1	2864615	2981142	2895103	2913620	2.07	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCV73 Instrumnet Name : P8
 Client Sample ID : CCV73 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 13:56:41 DataFile Name : 040CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4457973	4262642	4307736	4342784	2.36	cps
Antimony	121-1	6053119	5810922	5991095	5951712	2.11	cps
Arsenic	75-2	160221	158300	159770	159430	0.63	cps
Barium	135-1	8400676	8084470	8103591	8196245	2.16	cps
Barium	137-1	13674379	13913393	14072619	13886797	1.44	cps
Beryllium	9-1	1865338	1936647	1940766	1914250	2.22	cps
Bismuth	209-1	8300264	7973634	8031486	8101795	2.15	cps
Bismuth	209-2	3262176	3161943	3324404	3249508	2.52	cps
Boron	10-1	239498	247946	258818	248754	3.89	cps
Boron	11-1	1024632	1105729	1174693	1101685	6.82	cps
Bromine	81-1	39447	39426	38483	39118	1.41	cps
Cadmium	111-1	1836275	1859659	1776260	1824065	2.36	cps
Cadmium	106-1	191392	199225	190387	193668	2.50	cps
Cadmium	108-1	129069	131773	132555	131132	1.40	cps
Calcium	43-1	13565686	13616482	13741385	13641184	0.66	cps
Calcium	44-1	220444935	222710482	225055938	222737118	1.04	cps
Carbon	12-1	9388251	9741506	9814780	9648179	2.36	cps
Carbon	12-2	91828	90914	93112	91951	1.20	cps
Chlorine	35-1	2521154	2382430	2343128	2415571	3.87	cps
Chlorine	35-2	15275	14775	14624	14891	2.29	cps
Chromium	52-2	1830300	1813596	1781300	1808399	1.38	cps
Cobalt	59-2	3222733	3151538	3162243	3178838	1.21	cps
Copper	63-2	23568539	23660733	23433930	23554400	0.48	cps
Dysprosium	156-1	1217	1192	1317	1242	5.33	cps
Dysprosium	156-2	417	343	373	378	9.76	cps
Erbium	164-1	275	292	233	267	11.27	cps
Erbium	164-2	87	93	67	82	16.87	cps
Gadolinium	160-1	1233	1117	1258	1203	6.29	cps
Gadolinium	160-2	403	423	500	442	11.54	cps
Holmium	165-1	15430748	15466436	15673668	15523617	0.84	cps
Holmium	165-2	5075185	5137564	5220815	5144522	1.42	cps
Indium	115-1	13943798	13515905	13362563	13607422	2.21	cps
Indium	115-2	1655435	1614578	1646464	1638826	1.31	cps
Iron	54-2	19227918	19119562	18937684	19095055	0.77	cps
Iron	56-2	344419930	335902063	340471841	340264611	1.25	cps
Iron	57-2	8703096	8565660	8641539	8636765	0.80	cps

LB Number :	Ib116754	Operator :	Jaswal
Lab Sample ID :	CCV73	Instrumnet Name :	P8
Client Sample ID :	CCV73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:56:41	DataFile Name :	040CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	930	947	987	954	3.05	cps
Lead	206-1	22840082	21939269	22151636	22310329	2.11	cps
Lead	207-1	19941971	19399093	18825485	19388850	2.88	cps
Lead	208-1	90391946	86899419	86293430	87861598	2.52	cps
Lithium	6-1	5698346	5665387	5633940	5665891	0.57	cps
Magnesium	24-2	63738972	62357310	64653197	63583160	1.82	cps
Manganese	55-2	9284204	9149630	9269622	9234485	0.80	cps
Molybdenum	94-1	15766182	15747224	16072697	15862034	1.15	cps
Molybdenum	95-1	19476045	19015475	19464913	19318811	1.36	cps
Molybdenum	96-1	21487750	20997450	21056630	21180610	1.26	cps
Molybdenum	97-1	11601141	11843275	11551923	11665446	1.34	cps
Molybdenum	98-1	29874768	30376955	30097605	30116443	0.84	cps
Neodymium	150-1	367	413	400	393	6.11	cps
Neodymium	150-2	20	43	10	24	69.97	cps
Nickel	60-2	808165	810474	808822	809154	0.15	cps
Phosphorus	31-2	31075	30666	30216	30652	1.40	cps
Potassium	39-2	26166799	26269028	25814548	26083458	0.91	cps
Rhodium	103-1	12817447	12852380	12794614	12821480	0.23	cps
Rhodium	103-2	4578926	4457177	4455637	4497247	1.57	cps
Scandium	45-1	11265480	11030834	10830699	11042337	1.97	cps
Scandium	45-2	276802	270104	273355	273420	1.22	cps
Selenium	82-1	136983	137605	137912	137500	0.34	cps
Selenium	77-2	3230	3364	3464	3353	3.49	cps
Selenium	78-2	11148	11182	11299	11209	0.71	cps
Silicon	28-1	6379620	6790185	6583994	6584600	3.12	cps
Silver	107-1	9126518	9208405	9228170	9187698	0.59	cps
Silver	109-1	8731066	8785457	8672121	8729548	0.65	cps
Sodium	23-2	120108994	122182978	120393357	120895110	0.93	cps
Strontium	86-1	25111501	23961211	25077432	24716715	2.65	cps
Strontium	88-1	212305613	214078846	216896322	214426927	1.08	cps
Sulfur	34-1	898014	991035	999967	963006	5.86	cps
Terbium	159-1	16638859	16016317	15863134	16172770	2.54	cps
Terbium	159-2	5240951	5304437	5140912	5228767	1.58	cps
Thallium	203-1	5373403	5278328	5428785	5360172	1.42	cps
Thallium	205-1	12996363	12506925	12525336	12676208	2.19	cps
Tin	118-1	5891630	5675791	5669989	5745803	2.20	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCV73	Instrumnet Name :	P8
Client Sample ID :	CCV73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 13:56:41	DataFile Name :	040CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	6195812	6131566	6166886	6164755	0.52	cps
Uranium	238-1	17209319	16549857	16538913	16766030	2.29	cps
Vanadium	51-2	1468702	1434336	1434298	1445779	1.37	cps
Ytterbium	172-1	125	158	83	122	30.74	cps
Ytterbium	172-2	50	39	17	35	48.23	cps
Ytterbium	176-1	24632	24982	25734	25116	2.24	cps
Ytterbium	176-2	9787	10021	10115	9974	1.69	cps
Yttrium	89-1	35225509	34229631	34266273	34573804	1.63	cps
Yttrium	89-2	3058253	2994015	3083639	3045302	1.52	cps
Zinc	66-2	2585657	2618361	2565494	2589837	1.03	cps
Zirconium	90-1	13396110	13845293	13501983	13581129	1.73	cps
Zirconium	91-1	3011631	3105021	3026572	3047741	1.65	cps

LB Number : lb116754 Operator : Jaswal
 Lab Sample ID : CCB73 Instrumnet Name : P8
 Client Sample ID : CCB73 Dilution Factor : 1
 Date & Time Acquired :: 2021-10-08 14:06:26 DataFile Name : 042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	192	184	214	197	7.85	cps
Antimony	121-1	450	525	642	539	17.92	cps
Arsenic	75-2	9	15	8	11	35.49	cps
Barium	135-1	192	192	183	189	2.55	cps
Barium	137-1	267	325	208	267	21.87	cps
Beryllium	9-1	110	92	94	99	10.00	cps
Bismuth	209-1	8913359	9317346	9000977	9077227	2.34	cps
Bismuth	209-2	3323064	3184887	3198192	3235381	2.36	cps
Boron	10-1	12249	11614	11466	11776	3.53	cps
Boron	11-1	58107	55094	54538	55913	3.43	cps
Bromine	81-1	39436	38482	38101	38673	1.78	cps
Cadmium	111-1	5809	6439	6353	6201	5.51	cps
Cadmium	106-1	8203	9103	8978	8761	5.57	cps
Cadmium	108-1	71	29	63	54	40.70	cps
Calcium	43-1	726	662	669	686	5.12	cps
Calcium	44-1	63228	62664	62456	62783	0.64	cps
Carbon	12-1	7713655	7598815	7615580	7642683	0.81	cps
Carbon	12-2	65036	67313	67078	66476	1.88	cps
Chlorine	35-1	1858038	1759334	1714286	1777220	4.14	cps
Chlorine	35-2	10963	10988	10663	10871	1.66	cps
Chromium	52-2	1243	1243	1183	1223	2.83	cps
Cobalt	59-2	87	87	67	80	14.43	cps
Copper	63-2	1063	1133	1103	1100	3.19	cps
Dysprosium	156-1	17	25	33	25	33.32	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	125	83	83	97	24.74	cps
Erbium	164-2	30	33	30	31	6.18	cps
Gadolinium	160-1	67	167	158	131	42.50	cps
Gadolinium	160-2	47	37	30	38	22.21	cps
Holmium	165-1	15845049	15732109	15545281	15707480	0.96	cps
Holmium	165-2	4916847	4609627	4680041	4735505	3.40	cps
Indium	115-1	14626983	15207912	14665657	14833517	2.19	cps
Indium	115-2	1663260	1529575	1605607	1599481	4.19	cps
Iron	54-2	945	878	822	882	6.94	cps
Iron	56-2	7569	6991	7174	7245	4.08	cps
Iron	57-2	217	239	256	237	8.23	cps

LB Number :	Ib116754	Operator :	Jaswal
Lab Sample ID :	CCB73	Instrumnet Name :	P8
Client Sample ID :	CCB73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 14:06:26	DataFile Name :	042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Krypton	83-1	1040	1063	1100	1068	2.83	cps
Lead	206-1	2428	2417	2356	2400	1.62	cps
Lead	207-1	2156	1934	2189	2093	6.64	cps
Lead	208-1	9546	9385	9490	9474	0.86	cps
Lithium	6-1	5833751	6050684	5888475	5924303	1.90	cps
Magnesium	24-2	517	750	667	644	18.35	cps
Manganese	55-2	207	107	170	161	31.40	cps
Molybdenum	94-1	783	617	692	697	11.97	cps
Molybdenum	95-1	442	367	342	383	13.58	cps
Molybdenum	96-1	725	583	617	642	11.54	cps
Molybdenum	97-1	258	258	192	236	16.30	cps
Molybdenum	98-1	700	675	433	603	24.43	cps
Neodymium	150-1	13	7	7	9	43.25	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	137	117	163	139	16.86	cps
Phosphorus	31-2	200	142	208	183	19.81	cps
Potassium	39-2	25765	26491	26300	26185	1.44	cps
Rhodium	103-1	14353053	14654856	14337684	14448531	1.24	cps
Rhodium	103-2	4608436	4291758	4490467	4463554	3.59	cps
Scandium	45-1	11214155	11540209	11585050	11446472	1.77	cps
Scandium	45-2	264915	250252	248994	254720	3.47	cps
Selenium	82-1	-6	-23	-117	-49	-123.38	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	82	98	104	95	12.01	cps
Silicon	28-1	621070	609251	617228	615849	0.98	cps
Silver	107-1	1092	983	817	964	14.37	cps
Silver	109-1	1142	1017	600	920	30.85	cps
Sodium	23-2	42613	41518	41727	41952	1.39	cps
Strontium	86-1	1783	1850	1758	1797	2.64	cps
Strontium	88-1	2700	1859	1767	2109	24.40	cps
Sulfur	34-1	412856	415150	418514	415507	0.68	cps
Terbium	159-1	16215665	17097375	16452602	16588548	2.75	cps
Terbium	159-2	4979029	4712582	4734699	4808770	3.07	cps
Thallium	203-1	900	967	1067	978	8.58	cps
Thallium	205-1	2567	2384	2350	2434	4.79	cps
Tin	118-1	5805	2209	2317	3443	59.41	cps

LB Number :	lb116754	Operator :	Jaswal
Lab Sample ID :	CCB73	Instrumnet Name :	P8
Client Sample ID :	CCB73	Dilution Factor :	1
Date & Time Acquired ::	2021-10-08 14:06:26	DataFile Name :	042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Titanium	47-1	333	300	292	308	7.15	cps
Uranium	238-1	167	67	83	106	50.75	cps
Vanadium	51-2	30	17	23	23	28.56	cps
Ytterbium	172-1	75	58	33	56	37.75	cps
Ytterbium	172-2	0	11	28	13	107.86	cps
Ytterbium	176-1	1959	1942	1792	1897	4.84	cps
Ytterbium	176-2	1789	1889	2139	1939	9.30	cps
Yttrium	89-1	35163686	36343563	36415701	35974317	1.95	cps
Yttrium	89-2	2886080	2761066	2850557	2832567	2.27	cps
Zinc	66-2	533	530	537	533	0.62	cps
Zirconium	90-1	1517	1717	1675	1636	6.45	cps
Zirconium	91-1	192	283	325	267	25.58	cps