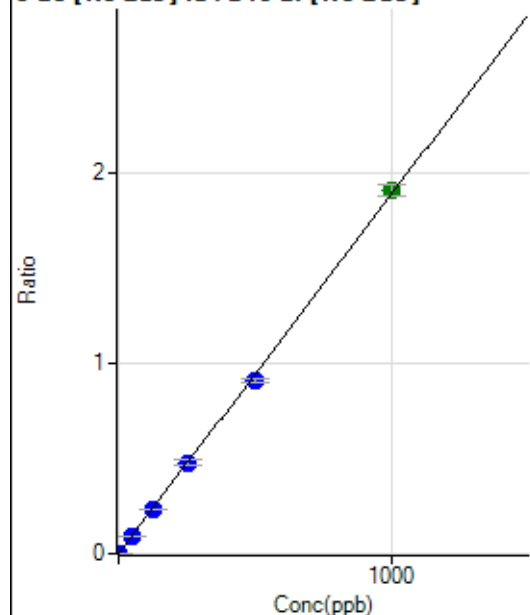


Batch Folder: C:\Agilent\ICPMH\1\DATA\P7120721 MS.b\
Analysis File: P7120721 MS.batch.bin
DA Date-Time: 2021-12-07 18:10:46
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	S00	2021-12-07 16:58:33
2	005CAL.S.d	S02	2021-12-07 17:04:25
3	007CAL.S.d	S03	2021-12-07 17:10:17
4	008CAL.S.d	S04	2021-12-07 17:13:06
5	009CAL.S.d	S05	2021-12-07 17:15:54
6	010CAL.S.d	S06	2021-12-07 17:18:42
7	011CAL.S.d	S07	2021-12-07 17:21:29
8	012CAL.S.d	S08	2021-12-07 17:24:17

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	97.78	0.0001	P	21.5
2	☐	1.000	0.961	2040.15	0.0019	P	1.9
3	☐	50.000	46.878	95710.17	0.0884	P	1.4
4	☐	125.000	122.307	235940.94	0.2306	P	1.2
5	☐	250.000	252.153	469959.95	0.4752	P	6.4
6	☐	500.000	481.417	932380.23	0.9073	P	2.8
7	☐	1000.000	1009.246	1973335.96	1.9019	A	3.1
8	☐			643.35	0.0006	P	9.8

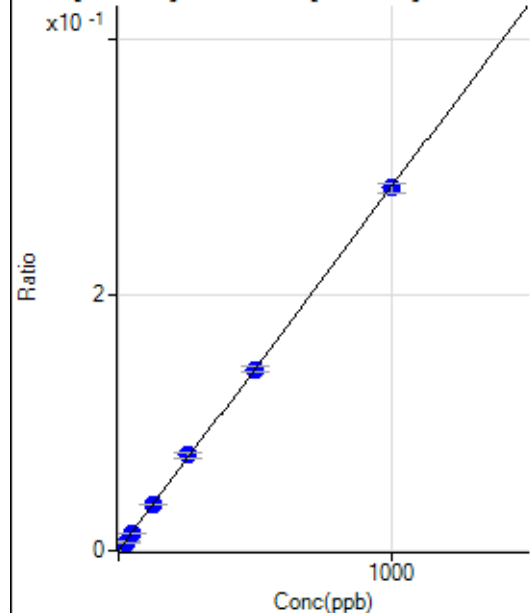
$$y = 0.0019 * x + 8.8317E-005$$

$$R = 0.9997$$

$$DL = 0.03029$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	194.45	0.0002	P	34.8
2	☐	25.000	22.827	7168.54	0.0067	P	5.5
3	☐	50.000	48.339	15077.13	0.0139	P	5.0
4	☐	125.000	127.844	37415.27	0.0366	P	1.1
5	☐	250.000	263.565	74356.01	0.0752	P	5.9
6	☐	500.000	498.558	145963.18	0.1420	P	3.4
7	☐	1000.000	997.112	294606.58	0.2839	P	2.8
8	☐			3753.33	0.0034	P	10.9

$$y = 2.8457E-004 * x + 1.7547E-004$$

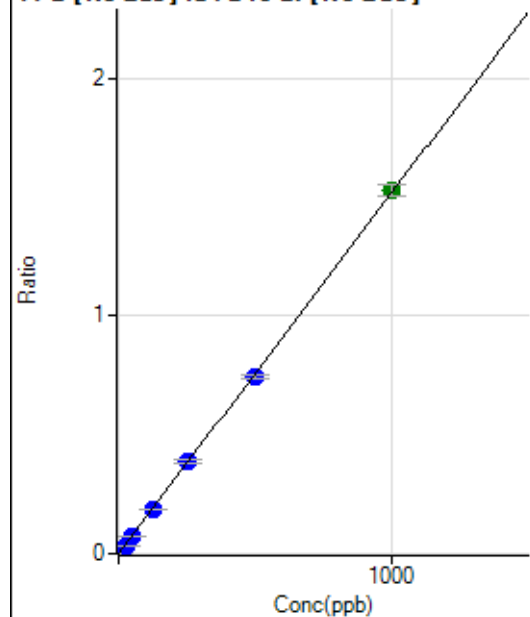
$$R = 0.9999$$

$$DL = 0.6429$$

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	800.05	0.0007	P	2.9
2	☐	25.000	22.629	37649.09	0.0350	P	4.3
3	☐	50.000	47.362	78529.78	0.0726	P	3.0
4	☐	125.000	122.449	190791.27	0.1864	P	0.6
5	☐	250.000	254.010	381935.77	0.3860	P	4.4
6	☐	500.000	488.719	762577.51	0.7419	P	2.0
7	☐	1000.000	1005.148	1582366.44	1.5251	A	3.3
8	☐			18895.30	0.0172	P	7.3

$$y = 0.0015 * x + 7.2389E-004$$

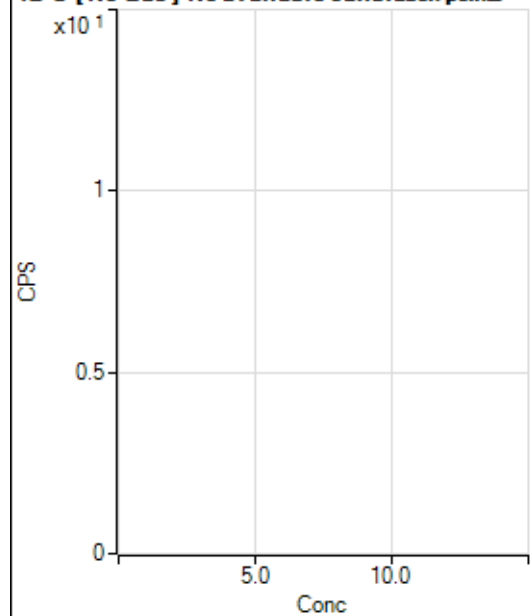
$$R = 0.9999$$

$$DL = 0.04089$$

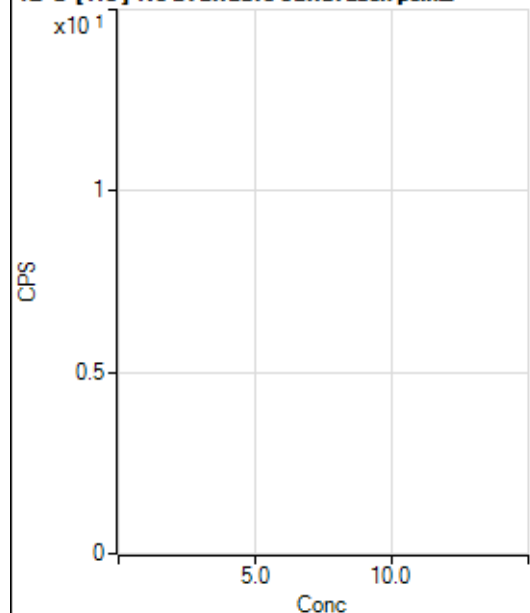
Weight: <None>

Min Conc: 0

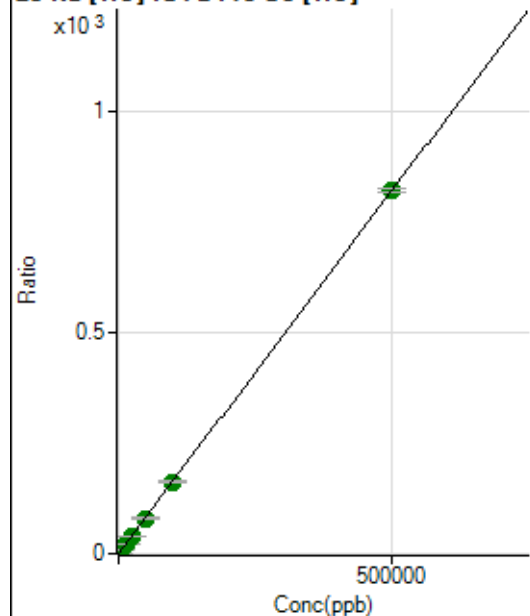
12 C [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

12 C [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	57400.27	0.0970	P	3.2
2	☐	500.000	467.369	531973.26	0.8645	P	0.8
3	☐	5000.000	5159.004	5169956.92	8.5691	A	1.7
4	☐	12500.000	12610.529	12744810.64	20.8060	A	0.4
5	☐	25000.000	24993.899	25401326.43	41.1420	A	0.2
6	☐	50000.000	48619.920	49674820.41	79.9407	A	3.1
7	☐	100000.00	98924.474	98151966.25	162.5509	A	1.3
8	☐	500000.00	500349.09	506564876.45	821.7713	A	0.9

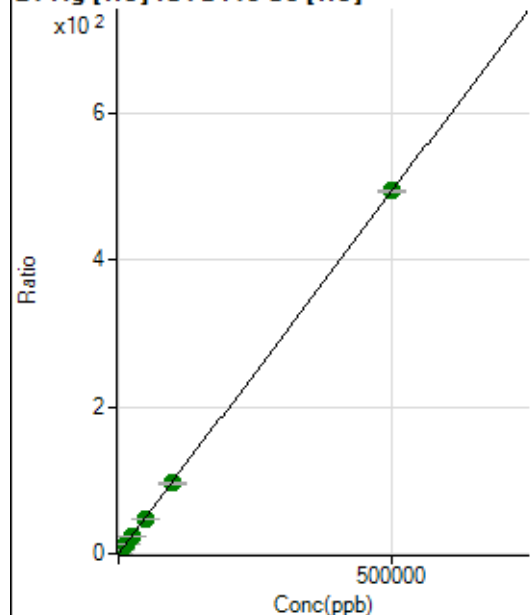
$$y = 0.0016 * x + 0.0970$$

$$R = 1.0000$$

$$DL = 5.702$$

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	512.98	0.0009	P	12.6
2	☐	500.000	467.873	284507.22	0.4623	P	0.2
3	☐	5000.000	5118.329	3046150.59	5.0491	A	1.0
4	☐	12500.000	12477.805	7539557.17	12.3078	A	0.9
5	☐	25000.000	24439.914	14882810.75	24.1061	A	1.0
6	☐	50000.000	47619.604	29181732.13	46.9683	A	3.8
7	☐	100000.00	97010.010	57775925.37	95.6824	A	1.0
8	☐	500000.00	500863.44	304514447.54	494.0052	A	0.9

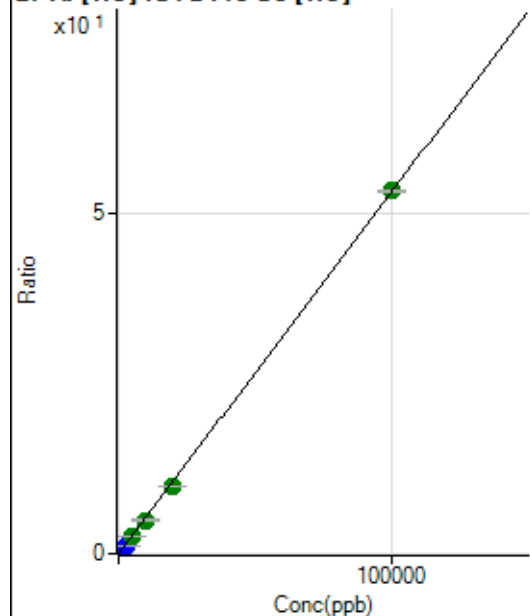
$$y = 9.8631E-004 * x + 8.6755E-004$$

$$R = 1.0000$$

$$DL = 0.3325$$

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	464.83	0.0008	P	8.2
2	☐	20.000	17.357	6169.84	0.0100	P	3.6
3	☐	1000.000	949.181	305357.33	0.5061	P	0.7
4	☐	2500.000	2310.260	753880.09	1.2308	P	1.6
5	☐	5000.000	4767.249	1567527.91	2.5389	A	1.0
6	☐	10000.000	9266.274	3066182.16	4.9342	A	2.9
7	☐	20000.000	18729.997	6021810.90	9.9726	A	1.3
8	☐	100000.00	100344.26	32931855.60	53.4241	A	0.6

$$y = 5.3240E-004 * x + 7.8582E-004$$

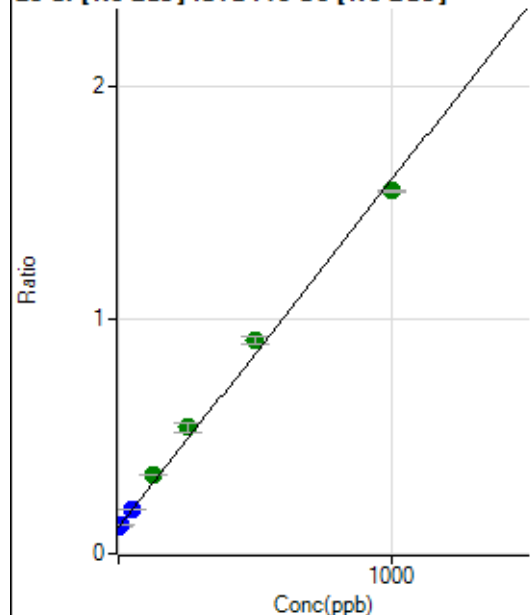
$$R = 0.9999$$

$$DL = 0.3613$$

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	470489.33	0.1131	P	0.6
2	☐	10.000	8.632	517436.08	0.1259	P	1.8
3	☐	50.000	51.299	757269.46	0.1893	P	1.2
4	☐	125.000	149.759	1347388.82	0.3355	A	1.4
5	☐	250.000	287.464	2073038.85	0.5401	A	7.3
6	☐	500.000	538.084	3546846.39	0.9123	A	3.2
7	☐	1000.000	968.446	6332708.60	1.5515	A	0.7
8	☐			611405.25	0.1423	P	1.2

$$y = 0.0015 * x + 0.1131$$

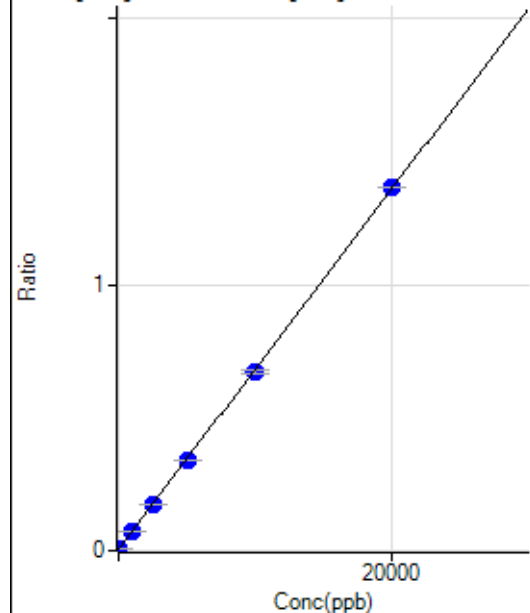
$$R = 0.9978$$

$$DL = 1.277$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-10.403	2961.48	0.0050	P	2.7
2	☐	0.000	10.403	3945.07	0.0064	P	10.0
3	☐	1000.000	989.125	43827.28	0.0726	P	2.8
4	☐	2500.000	2491.805	106765.96	0.1743	P	1.3
5	☐	5000.000	4982.588	211674.64	0.3428	P	0.3
6	☐	10000.000	9854.790	417925.03	0.6725	P	2.8
7	☐	20000.000	20078.526	823798.95	1.3643	P	0.1
8	☐			3022.61	0.0049	P	1.8

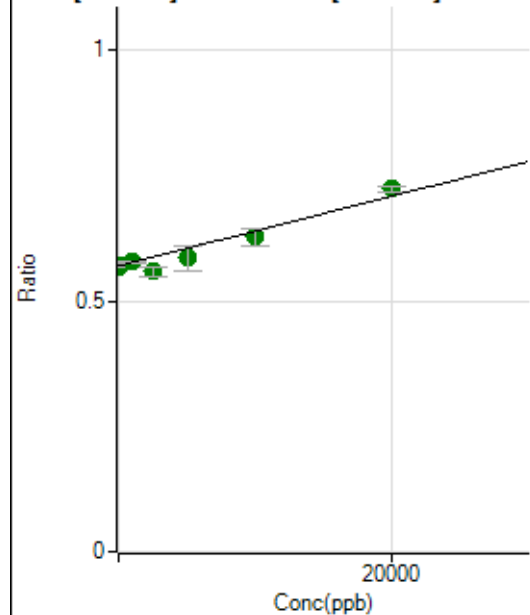
$$y = 6.7664E-005 * x + 0.0057$$

$$R = 1.0000$$

$$DL = 17.15$$

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	-417.096	2359239.31	0.5672	A	1.4
2	☐	0.000	417.096	2354345.10	0.5730	A	1.6
3	☐	1000.000	1043.329	2309671.45	0.5773	A	0.9
4	☐	2500.000	-1677.744	2241968.69	0.5585	A	3.6
5	☐	5000.000	2312.284	2248639.76	0.5861	A	8.5
6	☐	10000.000	8228.930	2436465.88	0.6272	A	5.8
7	☐	20000.000	22077.516	2951879.82	0.7233	A	1.6
8	☐			2145897.36	0.4994	A	2.0

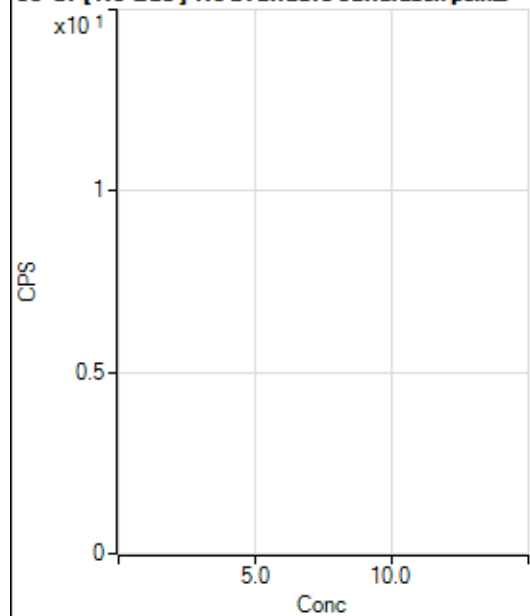
$$y = 6.9382E-006 * x + 0.5701$$

R = 0.9729

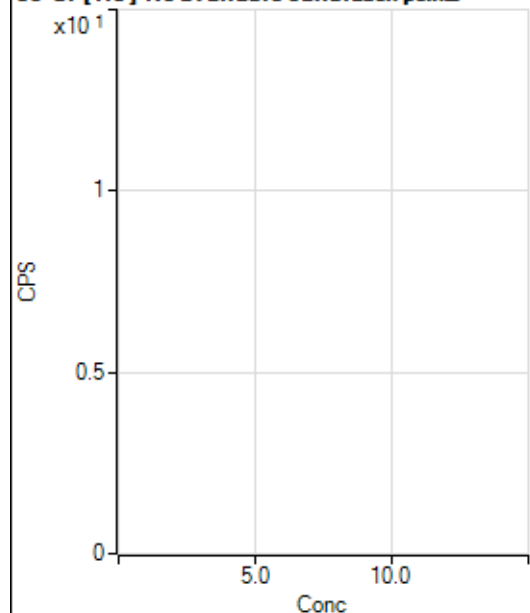
DL = 3777

Weight: <None>

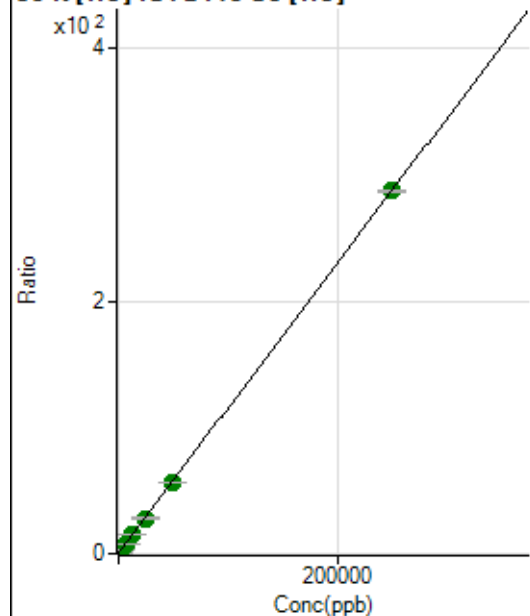
Min Conc: 0

35 Cl [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

35 Cl [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	277880.87	0.4694	P	3.3
2	☐	500.000	474.867	623613.79	1.0134	P	1.0
3	☐	2500.000	2534.961	2035431.84	3.3736	A	0.7
4	☐	6250.000	6275.101	4691277.84	7.6586	A	0.2
5	☐	12500.000	12240.283	8947983.97	14.4929	A	0.2
6	☐	25000.000	23960.802	17350669.83	27.9209	A	2.7
7	☐	50000.000	49247.097	34352153.89	56.8910	A	0.3
8	☐	250000.00	250266.55	177032595.62	287.1958	A	0.8

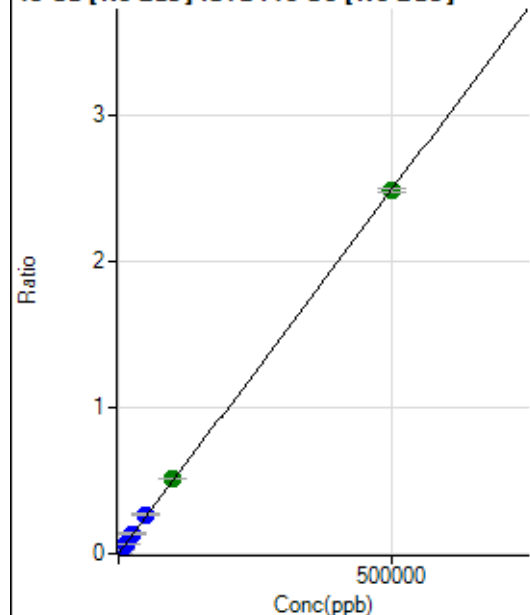
$$y = 0.0011 * x + 0.4694$$

$$R = 1.0000$$

$$DL = 39.97$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	947.28	0.0002	P	14.1
2	☐	500.000	483.669	10837.52	0.0026	P	2.0
3	☐	5000.000	5343.222	107413.16	0.0269	P	1.6
4	☐	12500.000	13192.223	264837.61	0.0660	P	2.0
5	☐	25000.000	27527.984	527088.10	0.1374	P	8.3
6	☐	50000.000	53861.158	1044153.41	0.2686	P	3.5
7	☐	100000.00	103111.18	2097416.89	0.5140	A	2.4
8	☐	500000.00	498844.52	10683206.66	2.4857	A	1.2

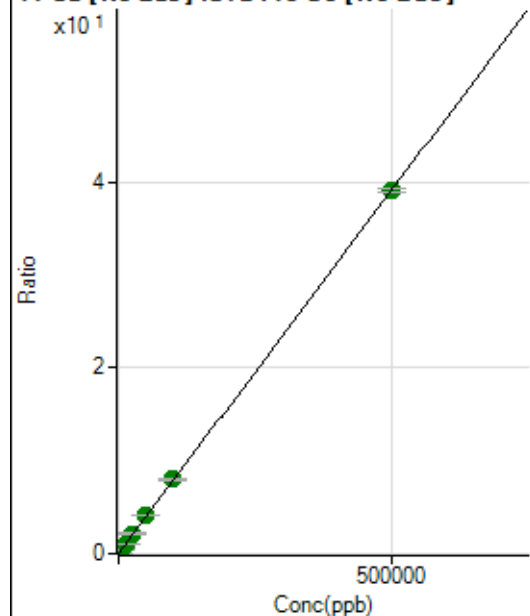
$$y = 4.9825E-006 * x + 2.2782E-004$$

$$R = 1.0000$$

$$DL = 19.34$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	92115.67	0.0221	P	3.1
2	☐	500.000	501.140	251953.08	0.0613	P	0.8
3	☐	5000.000	5230.857	1723943.57	0.4310	A	1.2
4	☐	12500.000	13057.093	4186457.04	1.0426	A	2.0
5	☐	25000.000	26988.419	8175851.83	2.1315	A	8.7
6	☐	50000.000	52592.635	16064985.78	4.1326	A	3.7
7	☐	100000.00	101755.97	32543559.76	7.9750	A	2.5
8	☐	500000.00	499273.88	167779796.81	39.0436	A	1.1

$$y = 7.8156E-005 * x + 0.0221$$

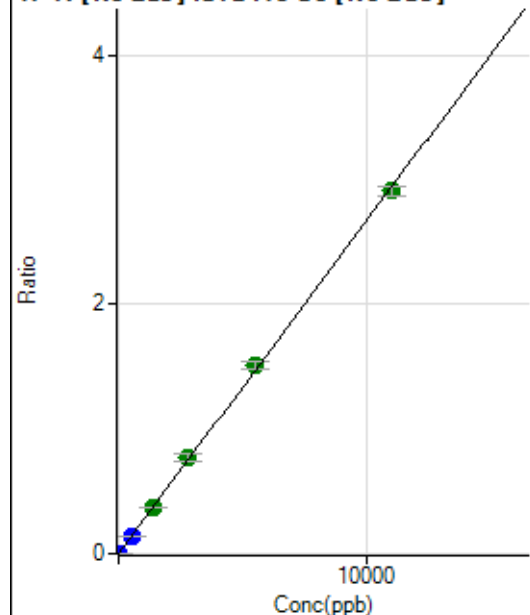
$$R = 1.0000$$

$$DL = 26.65$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	475.02	0.0001	P	22.7
2	☐	5.000	4.944	5906.84	0.0014	P	2.3
3	☐	550.000	533.468	571482.67	0.1429	P	1.1
4	☐	1375.000	1379.913	1483093.04	0.3694	A	2.0
5	☐	2750.000	2873.787	2951525.41	0.7691	A	7.8
6	☐	5500.000	5662.962	5889897.48	1.5154	A	4.2
7	☐	11000.000	10887.785	11890733.25	2.9135	A	2.4
8	☐			2472.50	0.0006	P	3.1

$$y = 2.6758E-004 * x + 1.1418E-004$$

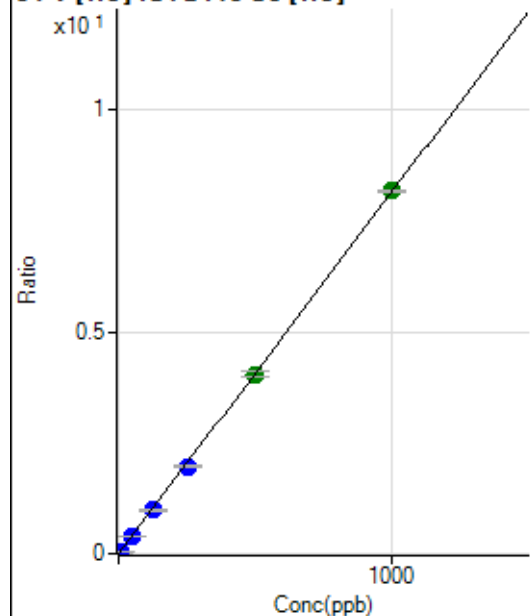
$$R = 0.9997$$

$$DL = 0.2902$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	45.55	0.0001	P	14.7
2	☐	5.000	4.575	22986.51	0.00374	P	0.8
3	☐	50.000	49.123	241506.88	0.4003	P	1.8
4	☐	125.000	120.683	602284.54	0.9833	P	1.8
5	☐	250.000	242.089	1217808.33	1.9725	P	0.6
6	☐	500.000	496.278	2512759.34	4.0435	A	2.8
7	☐	1000.000	1004.424	4941465.03	8.1836	A	0.4
8	☐			940.04	0.0015	P	4.3

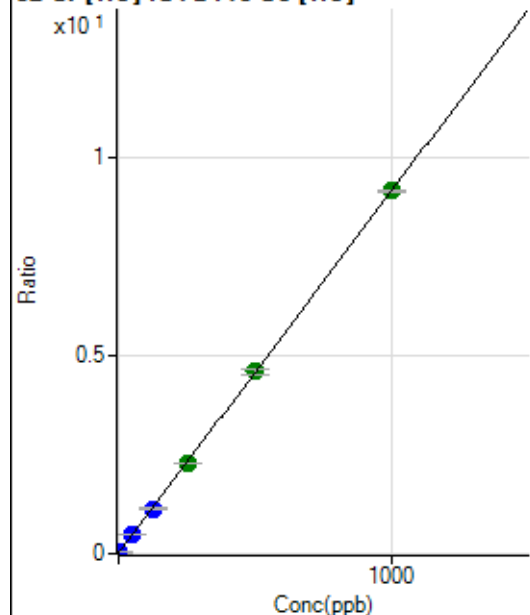
$$y = 0.0081 * x + 7.6893E-005$$

$$R = 1.0000$$

$$DL = 0.004158$$

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	5551.07	0.0094	P	5.6
2	☐	2.000	1.893	16439.08	0.0267	P	1.5
3	☐	50.000	50.377	283964.86	0.4707	P	0.2
4	☐	125.000	122.471	692570.19	1.1308	P	2.0
5	☐	250.000	248.009	1407770.88	2.2802	A	1.2
6	☐	500.000	501.361	2858519.30	4.6000	A	2.8
7	☐	1000.000	1000.115	5535139.16	9.1668	A	0.3
8	☐			14855.17	0.0241	P	1.5

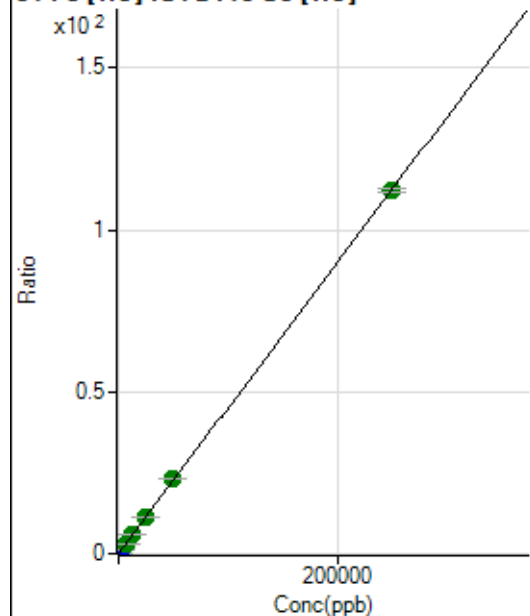
$$y = 0.0092 * x + 0.0094$$

$$R = 1.0000$$

$$DL = 0.173$$

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	4558.73	0.0077	P	10.4
2	☐	50.000	49.065	18296.48	0.0297	P	3.4
3	☐	2500.000	2678.935	730250.18	1.2104	P	0.2
4	☐	6250.000	6511.441	1795246.08	2.9309	A	0.7
5	☐	12500.000	12807.333	3554557.66	5.7573	A	0.9
6	☐	25000.000	25218.768	7039060.43	11.3292	A	3.6
7	☐	50000.000	51988.671	14097541.94	23.3470	A	0.6
8	☐	250000.00	249556.69	69064199.27	112.0411	A	0.9

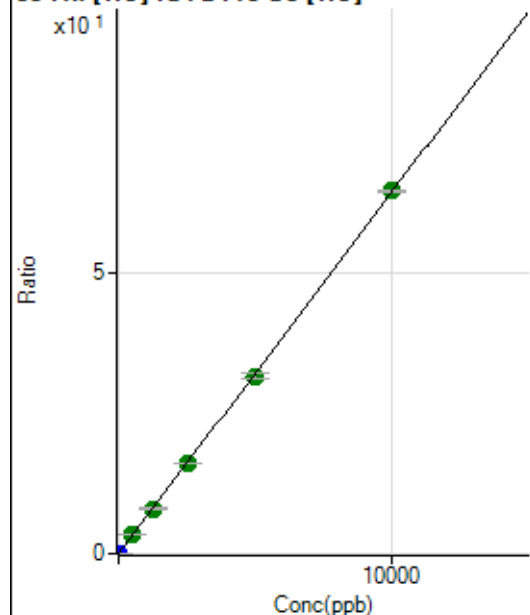
$$y = 4.4893E-004 * x + 0.0077$$

$$R = 1.0000$$

$$DL = 5.367$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	392.23	0.0007	P	10.0
2	☐	1.000	1.000	4376.23	0.0071	P	3.1
3	☐	500.000	521.817	2030087.10	3.3651	A	1.6
4	☐	1250.000	1248.020	4928820.86	8.0473	A	1.8
5	☐	2500.000	2489.303	9909721.80	16.0504	A	0.1
6	☐	5000.000	4903.473	19644930.26	31.6157	A	3.3
7	☐	10000.000	10050.094	39126803.86	64.7985	A	0.7
8	☐			23549.64	0.0382	P	1.1

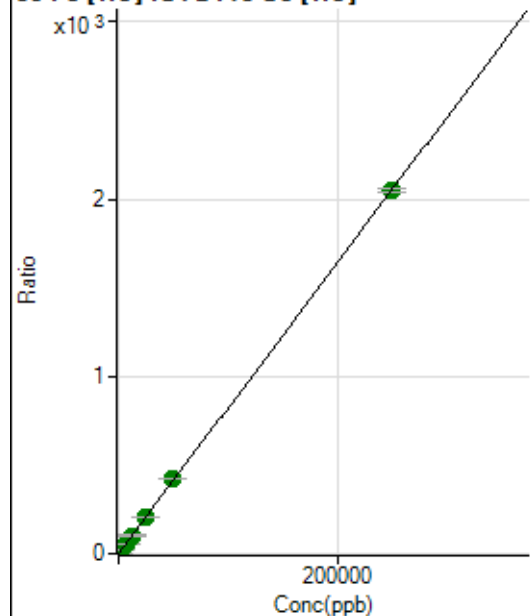
$$y = 0.0064 * x + 6.6107E-004$$

$$R = 0.9999$$

$$DL = 0.03069$$

Weight: <None>

Min Conc: 0

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

	R _{ct}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15671.34	0.0265	P	3.3
2	☐	50.000	48.787	262241.63	0.4261	P	1.2
3	☐	2500.000	2601.522	12874313.14	21.3388	A	0.7
4	☐	6250.000	6282.840	31538734.50	51.4970	A	2.8
5	☐	12500.000	12532.303	63404769.47	102.6941	A	1.5
6	☐	25000.000	24912.669	126827949.13	204.1170	A	3.3
7	☐	50000.000	51319.352	253872996.41	420.4468	A	0.9
8	☐	250000.00	249741.41	1261154694.8	2,045.967	A	1.1

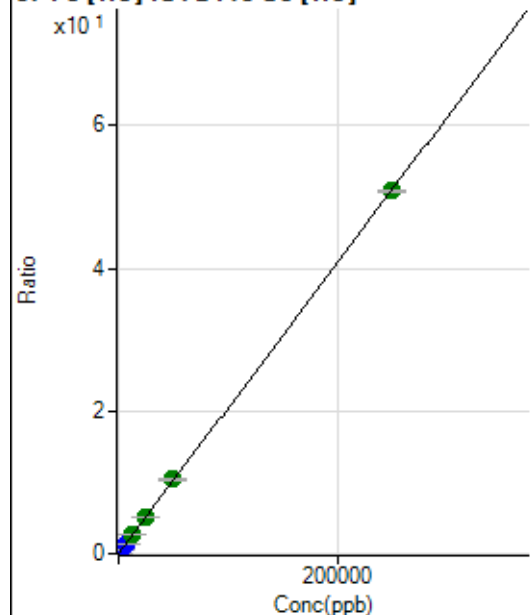
$$y = 0.0082 * x + 0.0265$$

$$R = 1.0000$$

$$DL = 0.317$$

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	2163.16	0.0037	P	9.4
2	☐	50.000	48.553	8335.77	0.0135	P	2.6
3	☐	2500.000	2586.782	320054.68	0.5305	P	0.3
4	☐	6250.000	6280.458	785576.64	1.2827	P	2.6
5	☐	12500.000	12646.548	1592326.47	2.5791	A	1.1
6	☐	25000.000	25063.697	3173895.38	5.1079	A	3.5
7	☐	50000.000	51001.621	6273790.07	10.3902	A	1.3
8	☐	250000.00	249784.35	31359016.91	50.8727	A	0.8

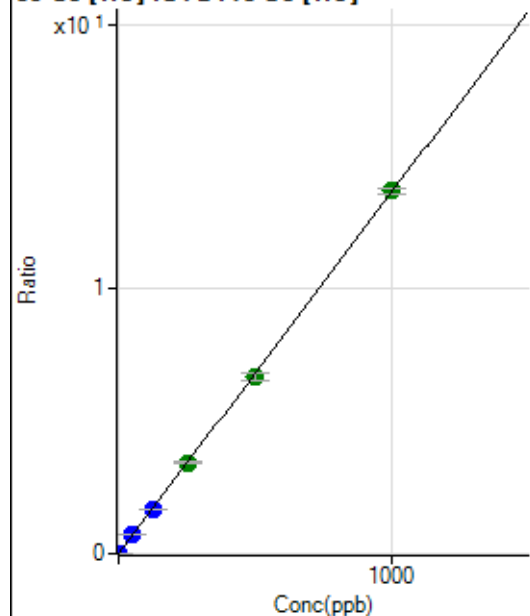
$$y = 2.0365E-004 * x + 0.0037$$

$$R = 1.0000$$

$$DL = 5.067$$

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	104.45	0.0002	P	31.2
2	☐	1.000	0.986	8385.75	0.0136	P	0.2
3	☐	50.000	50.796	418250.50	0.6933	P	0.9
4	☐	125.000	122.518	1023974.93	1.6719	P	1.9
5	☐	250.000	252.600	2128073.77	3.4467	A	2.2
6	☐	500.000	491.056	4162698.72	6.7003	A	4.0
7	☐	1000.000	1004.093	8272475.02	13.7003	A	1.6
8	☐			14324.70	0.0232	P	1.1

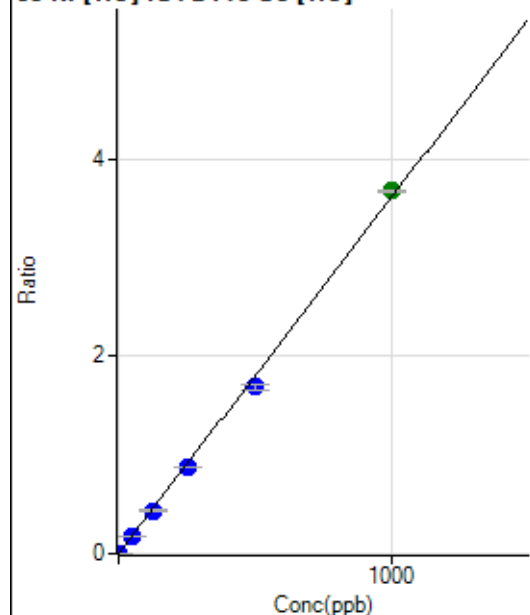
$$y = 0.0136 * x + 1.7743E-004$$

$$R = 0.9999$$

$$DL = 0.01217$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	423.34	0.0007	P	10.7
2	☐	1.000	0.991	2641.37	0.0043	P	1.8
3	☐	50.000	49.905	109123.92	0.1809	P	1.8
4	☐	125.000	121.171	268391.96	0.4382	P	0.8
5	☐	250.000	241.316	538317.72	0.8719	P	1.0
6	☐	500.000	468.910	1052333.88	1.6936	P	3.3
7	☐	1000.000	1018.199	2220059.95	3.6767	A	0.6
8	☐			3987.24	0.0065	P	3.6

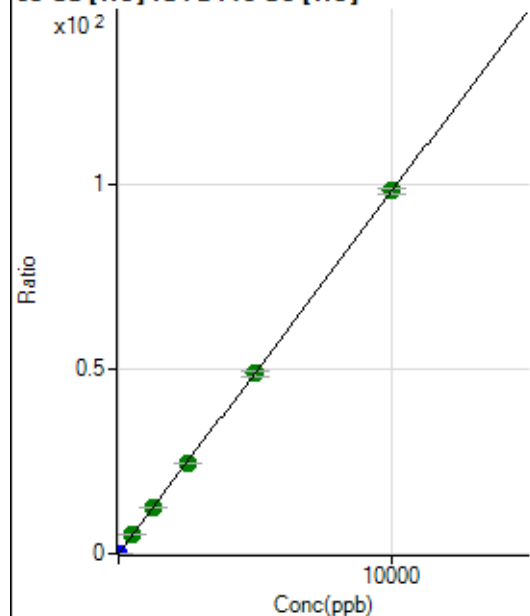
$$y = 0.0036 * x + 7.1602E-004$$

$$R = 0.9992$$

$$DL = 0.0637$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	12237.10	0.0207	P	3.5
2	☐	2.000	1.895	24157.93	0.0393	P	1.8
3	☐	500.000	520.162	3090235.99	5.1224	A	1.6
4	☐	1250.000	1250.834	7527229.79	12.2888	A	0.6
5	☐	2500.000	2490.063	15092129.26	24.4430	A	1.0
6	☐	5000.000	4965.561	30273064.55	48.7226	A	3.4
7	☐	10000.000	10018.592	59344852.54	98.2824	A	1.9
8	☐			-72710.64	-0.1180	P	-1.5

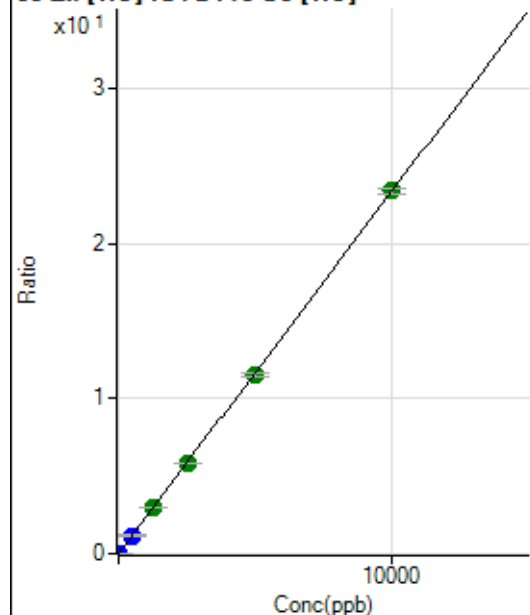
$$y = 0.0098 * x + 0.0207$$

$$R = 1.0000$$

$$DL = 0.2184$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	534.46	0.0009	P	13.5
2	☐	2.000	2.073	3531.57	0.0057	P	1.6
3	☐	500.000	500.633	704802.44	1.1683	P	1.7
4	☐	1250.000	1264.367	1806564.90	2.9492	A	0.4
5	☐	2500.000	2494.093	3591369.35	5.8166	A	1.1
6	☐	5000.000	4947.400	7169411.28	11.5373	A	2.8
7	☐	10000.000	10025.949	14116994.37	23.3795	A	1.6
8	☐			21909.47	0.0355	P	1.4

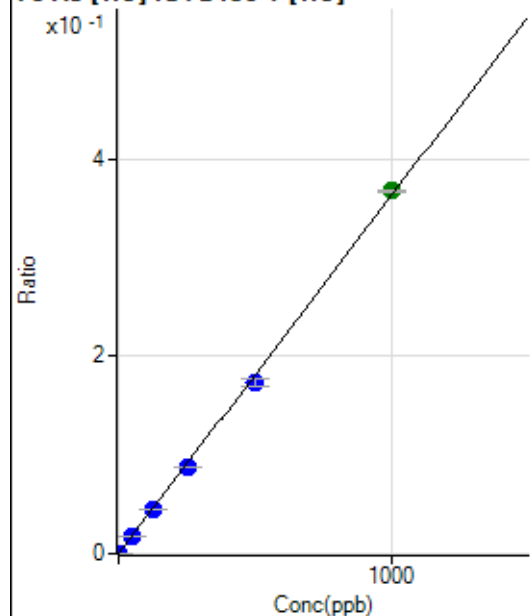
$$y = 0.0023 * x + 9.0443E-004$$

$$R = 1.0000$$

$$DL = 0.1569$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	48.15	0.0000	P	11.4
2	☐	1.000	0.980	1578.49	0.0004	P	3.6
3	☐	50.000	49.183	74756.44	0.0179	P	0.9
4	☐	125.000	121.899	187104.04	0.0443	P	1.8
5	☐	250.000	243.614	376215.92	0.0885	P	0.4
6	☐	500.000	478.490	755393.82	0.1737	P	4.0
7	☐	1000.000	1012.780	1557171.41	0.3677	A	0.6
8	☐			773.48	0.0002	P	0.5

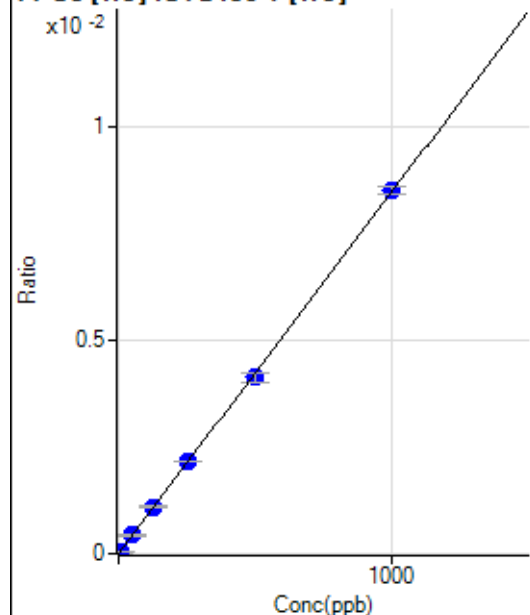
$$y = 3.6304E-004 * x + 1.1559E-005$$

$$R = 0.9996$$

$$DL = 0.01086$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	3.33	0.0000	P	3.8
2	☐	5.000	4.982	184.45	0.0000	P	10.2
3	☐	50.000	51.905	1841.24	0.0004	P	8.7
4	☐	125.000	129.503	4636.33	0.0011	P	2.7
5	☐	250.000	255.199	9189.59	0.0022	P	1.7
6	☐	500.000	488.671	17979.90	0.0041	P	5.4
7	☐	1000.000	1003.707	35971.40	0.0085	P	2.1
8	☐			11.11	0.0000	P	17.9

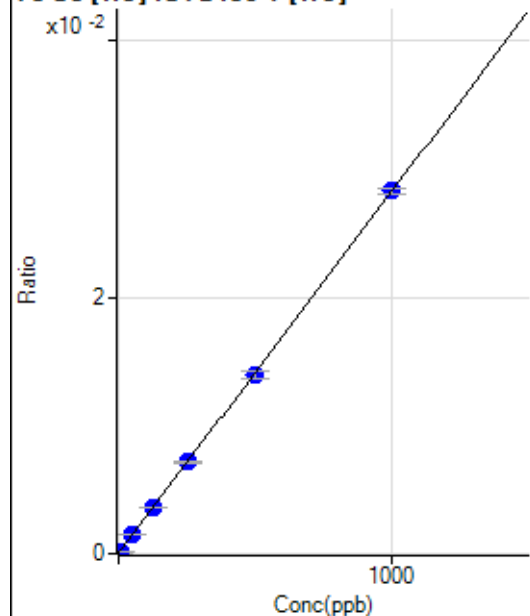
$$y = 8.4630\text{E-}006 * x + 7.9804\text{E-}007$$

$$R = 0.9999$$

$$DL = 0.01069$$

Weight: <None>

Min Conc: 0

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

	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	199.39	0.0000	P	6.1
2	☐	5.000	4.842	790.76	0.0002	P	4.1
3	☐	50.000	50.730	6180.33	0.0015	P	2.3
4	☐	125.000	126.969	15323.40	0.0036	P	1.9
5	☐	250.000	252.504	30465.23	0.0072	P	1.8
6	☐	500.000	493.872	60720.60	0.0140	P	3.9
7	☐	1000.000	1002.156	119779.98	0.0283	P	1.5
8	☐			247.54	0.0001	P	1.7

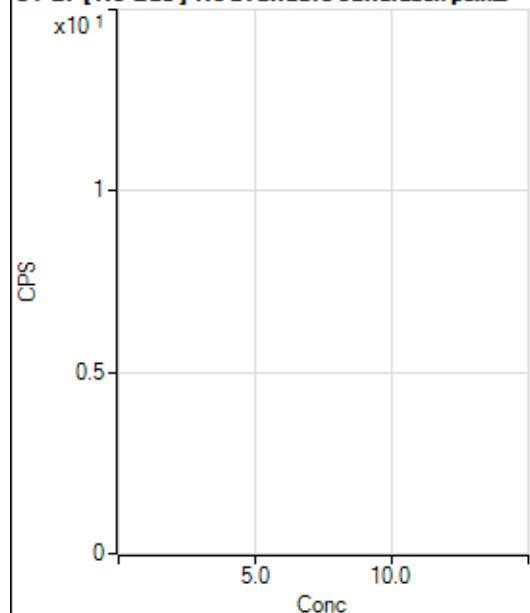
$$y = 2.8177\text{E-}005 * x + 4.7667\text{E-}005$$

$$R = 1.0000$$

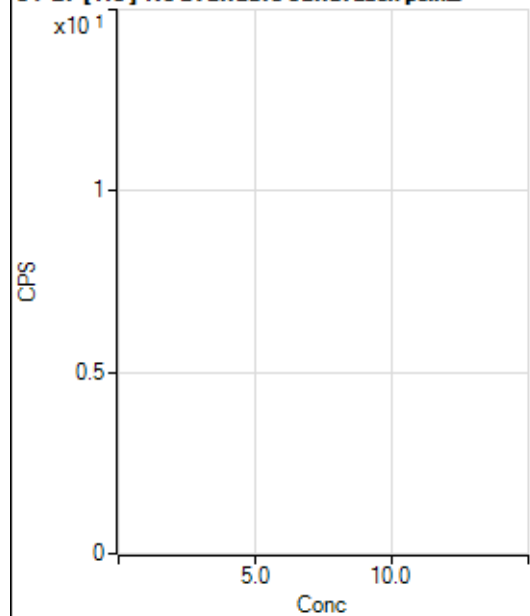
$$DL = 0.3088$$

Weight: <None>

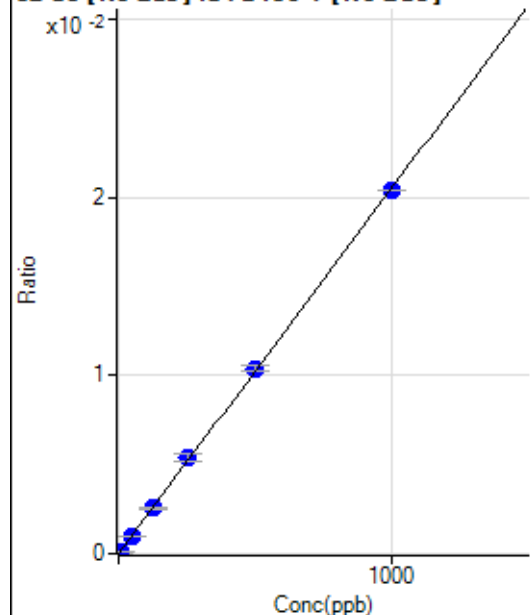
Min Conc: 0

81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			791.71		P	13.1
2	☐			713.93		P	18.1
3	☐			761.15		P	17.0
4	☐			727.82		P	12.6
5	☐			850.05		P	2.0
6	☐			875.05		P	21.1
7	☐			1027.84		P	5.4
8	☐			1558.46		P	9.8

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			76.74		P	41.9
2	☐			103.44		P	36.6
3	☐			56.72		P	53.9
4	☐			63.40		P	18.2
5	☐			110.11		P	15.7
6	☐			116.79		P	26.2
7	☐			140.15		P	25.8
8	☐			123.46		P	9.4

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	5.02	0.0000	P	1796.
2	☐	5.000	4.802	1184.06	0.0001	P	4.2
3	☐	50.000	49.028	11991.93	0.0010	P	0.3
4	☐	125.000	124.952	29961.78	0.0026	P	2.7
5	☐	250.000	261.631	60500.81	0.0054	P	7.8
6	☐	500.000	507.749	121148.85	0.0104	P	3.6
7	☐	1000.000	993.273	241920.51	0.0204	P	0.1
8	☐			54.11	0.0000	P	81.6

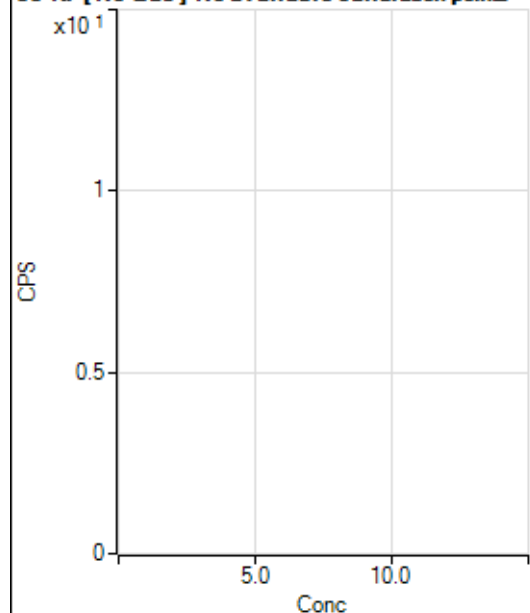
$$y = 2.0522\text{E-}005 * x + 4.5352\text{E-}007$$

$$R = 0.9999$$

$$DL = 1.191$$

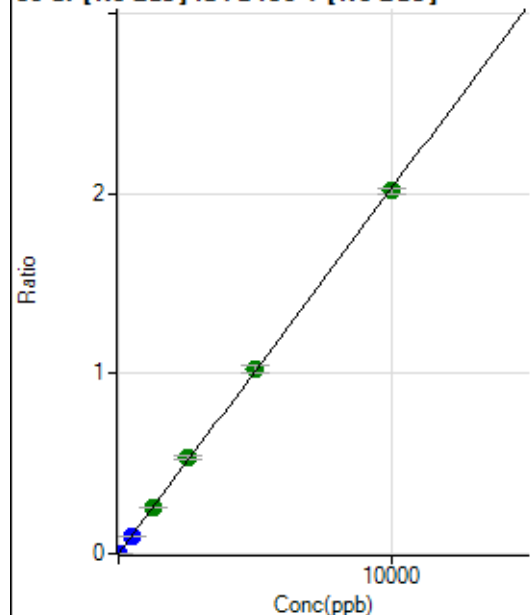
Weight: <None>

Min Conc: 0

83 Kr [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			782.25		P	13.9
2	☐			844.48		P	4.3
3	☐			763.36		P	8.5
4	☐			737.81		P	11.6
5	☐			824.47		P	2.2
6	☐			810.03		P	3.1
7	☐			810.03		P	7.4
8	☐			850.03		P	5.1

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1377.89	0.0001	P	8.2
2	☐	1.000	0.987	3728.35	0.0003	P	4.4
3	☐	500.000	485.843	1176897.67	0.0988	P	1.1
4	☐	1250.000	1267.546	3008229.02	0.2575	A	3.2
5	☐	2500.000	2629.307	6023721.79	0.5341	A	5.8
6	☐	5000.000	5072.307	11976359.90	1.0302	A	4.1
7	☐	10000.000	9930.034	23934888.21	2.0168	A	1.8
8	☐			16506.93	0.0014	P	2.0

$$y = 2.0309\text{E-}004 * x + 1.1145\text{E-}004$$

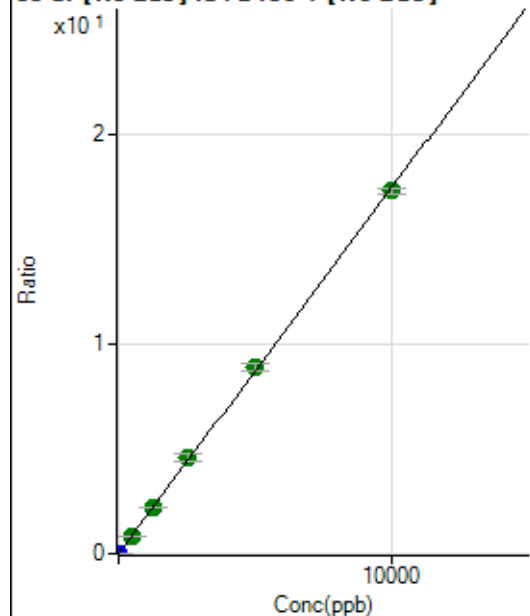
$$R = 0.9999$$

$$DL = 0.1347$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	508.36	0.0000	P	12.1
2	☐	1.000	0.957	20475.90	0.0017	P	1.3
3	☐	500.000	497.110	10348991.64	0.8687	A	0.5
4	☐	1250.000	1260.230	25723284.60	2.2021	A	3.0
5	☐	2500.000	2639.427	51971112.27	4.6120	A	7.5
6	☐	5000.000	5090.249	103396959.95	8.8944	A	4.0
7	☐	10000.000	9918.885	205693287.93	17.3316	A	1.2
8	☐			132699.25	0.0111	P	2.3

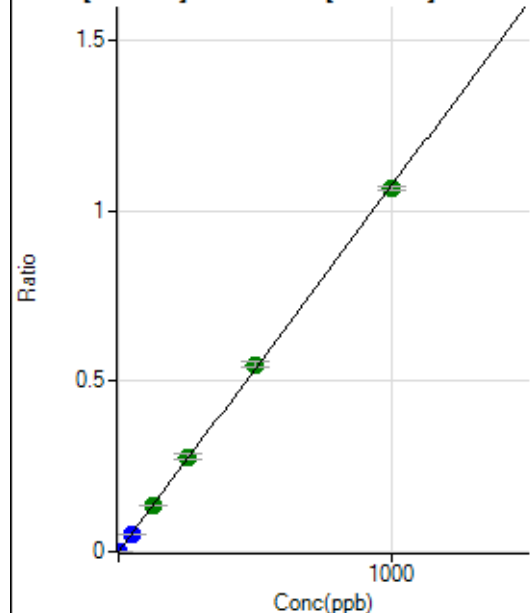
$$y = 0.0017 * x + 4.1086\text{E-}005$$

$$R = 0.9998$$

$$DL = 0.008517$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	713.92	0.0001	P	8.8
2	☐	1.000	0.901	12252.69	0.0010	P	1.5
3	☐	50.000	48.396	619345.38	0.0520	P	0.9
4	☐	125.000	125.669	1576077.74	0.1349	A	2.3
5	☐	250.000	259.764	3142339.17	0.2788	A	7.0
6	☐	500.000	512.126	6389540.68	0.5496	A	3.4
7	☐	1000.000	991.492	12625855.58	1.0639	A	1.0
8	☐			6309.86	0.0005	P	2.2

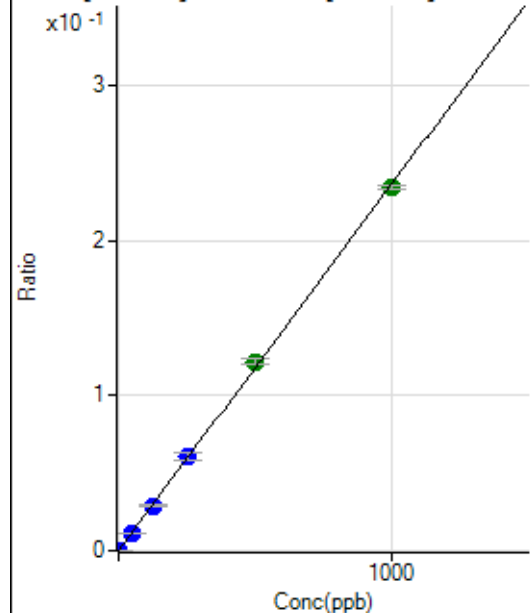
$$y = 0.0011 * x + 5.7782E-005$$

$$R = 0.9998$$

$$DL = 0.01426$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	125.00	0.0000	P	40.2
2	☐	1.000	0.959	2828.13	0.0002	P	6.4
3	☐	50.000	48.794	137373.54	0.0115	P	0.8
4	☐	125.000	122.509	338038.86	0.0289	P	2.8
5	☐	250.000	257.545	685567.40	0.0608	P	7.0
6	☐	500.000	516.155	1417043.40	0.1219	A	3.6
7	☐	1000.000	990.408	2775410.22	0.2339	A	1.1
8	☐			1536.23	0.0001	P	4.8

$$y = 2.3612E-004 * x + 1.0125E-005$$

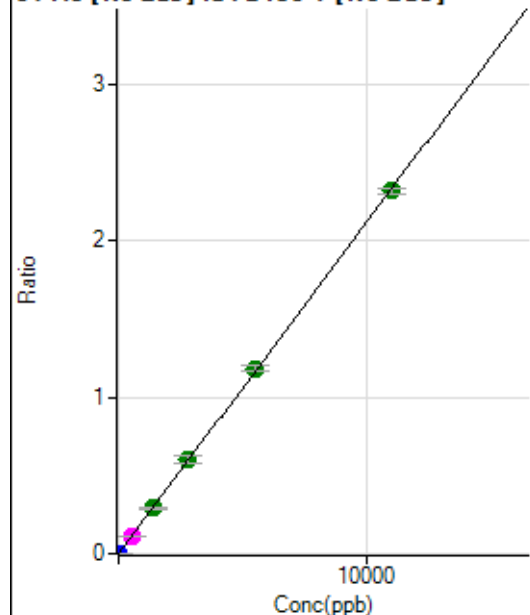
$$R = 0.9998$$

$$DL = 0.05177$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	300.01	0.0000	P	10.7
2	☐	5.000	5.774	14927.38	0.0012	P	3.1
3	☐	550.000	537.254	1357859.17	0.1140	M	1.6
4	☐	1375.000	1373.545	3402937.36	0.2913	A	3.0
5	☐	2750.000	2837.362	6779573.33	0.6018	A	8.0
6	☐	5500.000	5574.028	13744564.28	1.1821	A	3.2
7	☐	11000.000	10941.964	27537546.10	2.3205	A	1.4
8	☐			6832.34	0.0006	P	7.9

$$y = 2.1207\text{E-}004 * x + 2.4259\text{E-}005$$

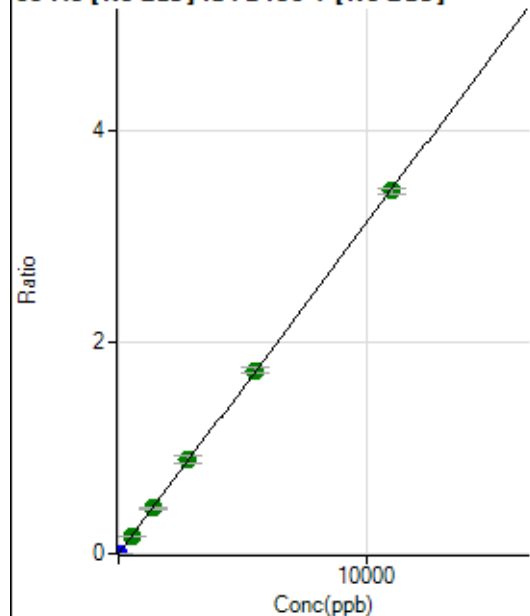
$$R = 0.9999$$

$$DL = 0.03656$$

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	66.67	0.0000	P	44.3
2	☐	5.000	4.743	17794.60	0.0015	P	2.8
3	☐	550.000	547.242	2038972.75	0.1711	A	1.6
4	☐	1375.000	1379.457	5039127.11	0.4314	A	2.9
5	☐	2750.000	2844.763	10025734.60	0.8896	A	7.3
6	☐	5500.000	5538.477	20138257.74	1.7319	A	3.0
7	☐	11000.000	10956.652	40659858.20	3.4262	A	1.4
8	☐			6765.62	0.0006	P	8.0

$$y = 3.1271\text{E-}004 * x + 5.3761\text{E-}006$$

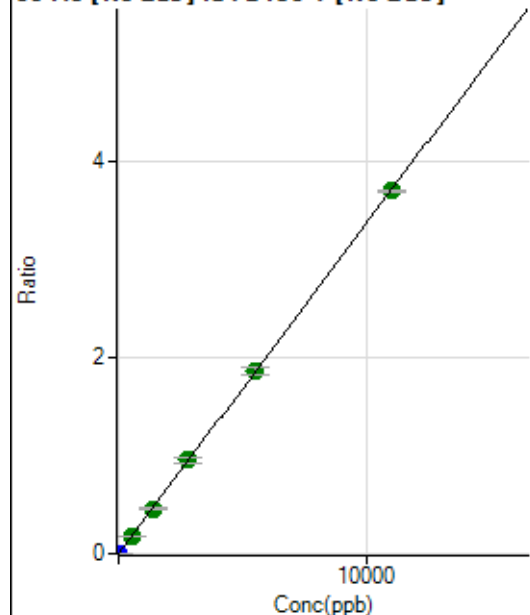
$$R = 0.9999$$

$$DL = 0.02286$$

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	205.56	0.0000	P	27.8
2	☐	5.000	4.720	19257.56	0.0016	P	2.4
3	☐	550.000	533.782	2147078.02	0.1802	A	1.6
4	☐	1375.000	1363.343	5375682.33	0.4603	A	4.0
5	☐	2750.000	2829.748	10774327.41	0.9554	A	6.0
6	☐	5500.000	5529.822	21703623.23	1.8670	A	3.9
7	☐	11000.000	10967.420	43942511.74	3.7028	A	0.6
8	☐			7841.17	0.0007	P	5.3

$$y = 3.3762\text{E-}004 * x + 1.6610\text{E-}005$$

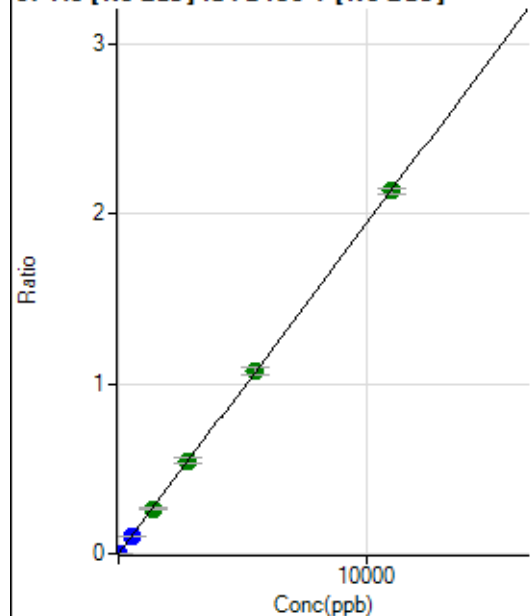
$$R = 1.0000$$

$$DL = 0.04101$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	49.1
2	☐	5.000	4.952	11560.40	0.0010	P	1.3
3	☐	550.000	528.891	1226691.45	0.1030	P	0.3
4	☐	1375.000	1362.899	3099367.71	0.2653	A	3.3
5	☐	2750.000	2821.569	6190481.39	0.5493	A	7.4
6	☐	5500.000	5513.287	12477673.28	1.0734	A	4.0
7	☐	11000.000	10978.032	25364920.01	2.1373	A	1.4
8	☐			4006.23	0.0003	P	8.3

$$y = 1.9469\text{E-}004 * x + 2.6869\text{E-}006$$

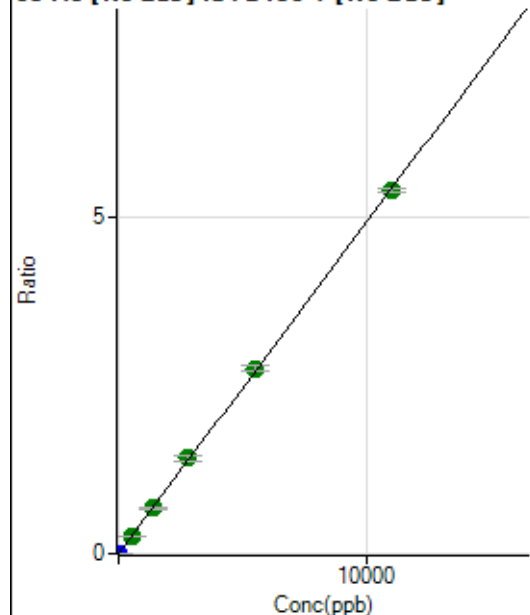
$$R = 1.0000$$

$$DL = 0.02034$$

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	88.89	0.0000	P	26.1
2	☐	5.000	4.805	28442.16	0.0024	P	4.9
3	☐	550.000	541.167	3183028.48	0.2672	A	1.0
4	☐	1375.000	1380.535	7960209.21	0.6816	A	4.4
5	☐	2750.000	2870.904	15975717.54	1.4175	A	7.3
6	☐	5500.000	5568.554	31968952.80	2.7494	A	3.1
7	☐	11000.000	10935.247	64075245.88	5.3992	A	1.2
8	☐			10818.17	0.0009	P	8.3

$$y = 4.9374\text{E-}004 * x + 7.1788\text{E-}006$$

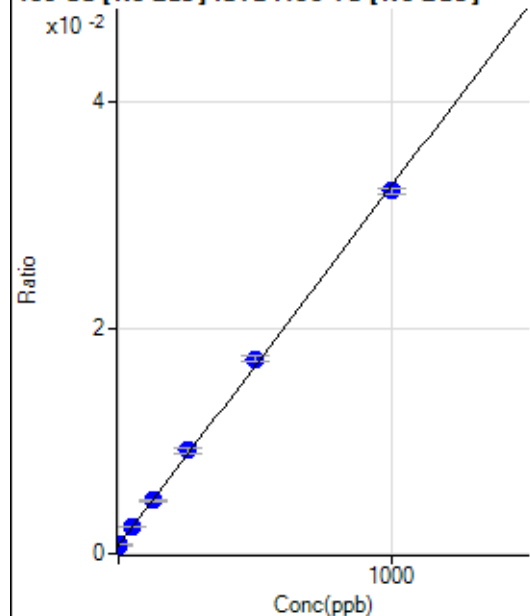
$$R = 0.9999$$

$$DL = 0.01137$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6195.92	0.0007	P	1.1
2	☐	1.000	2.245	6585.02	0.0008	P	6.0
3	☐	50.000	50.353	19246.56	0.0023	P	0.6
4	☐	125.000	125.063	38627.38	0.0047	P	2.6
5	☐	250.000	265.093	71487.84	0.0092	P	5.4
6	☐	500.000	519.696	135540.78	0.0173	P	2.8
7	☐	1000.000	986.352	263938.42	0.0322	P	1.4
8	☐			6846.25	0.0008	P	0.9

$$y = 3.1874\text{E-}005 * x + 7.2223\text{E-}004$$

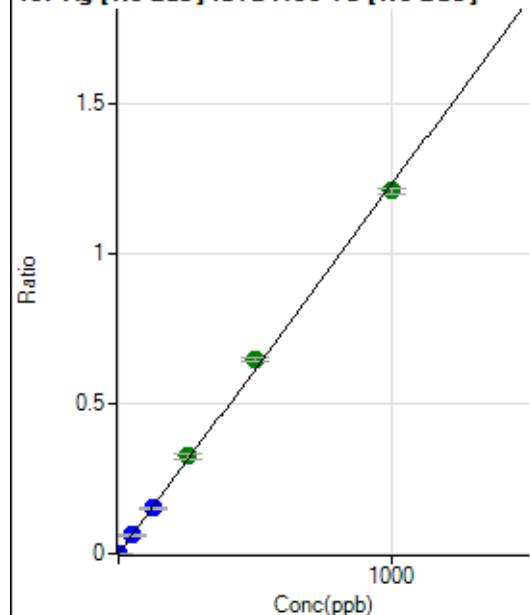
$$R = 0.9996$$

$$DL = 0.7382$$

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	130.56	0.0000	P	25.7
2	☐	1.000	0.935	9647.91	0.0012	P	5.4
3	☐	50.000	49.510	502888.89	0.0608	P	1.7
4	☐	125.000	122.967	1238862.09	0.1510	P	1.4
5	☐	250.000	265.467	2539920.74	0.3259	A	6.0
6	☐	500.000	526.335	5067834.92	0.6462	A	1.8
7	☐	1000.000	983.244	9905508.29	1.2072	A	1.4
8	☐			3194.89	0.0004	P	2.0

$$y = 0.0012 * x + 1.5222E-005$$

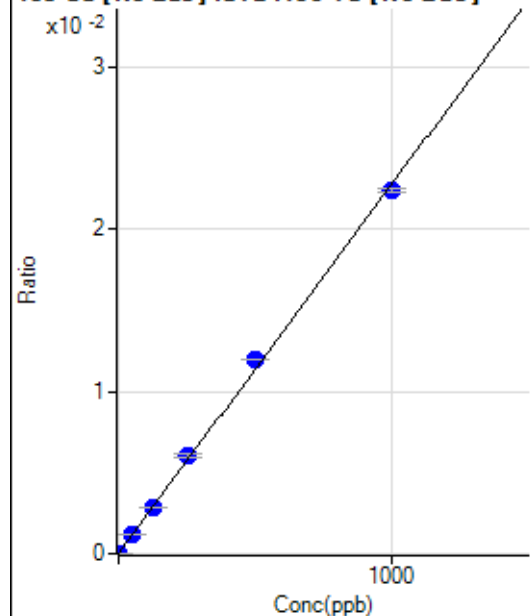
$$R = 0.9993$$

$$DL = 0.009564$$

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	76.39	0.0000	P	12.5
2	☐	1.000	0.977	258.34	0.0000	P	3.6
3	☐	50.000	50.575	9590.80	0.0012	P	1.2
4	☐	125.000	126.285	23647.18	0.0029	P	1.5
5	☐	250.000	265.639	47184.78	0.0061	P	4.8
6	☐	500.000	525.517	93851.41	0.0120	P	0.7
7	☐	1000.000	983.142	183604.19	0.0224	P	1.0
8	☐			331.96	0.0000	P	12.5

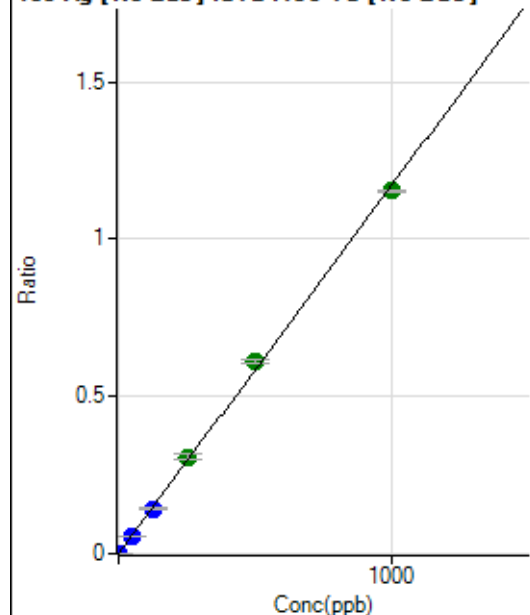
$$y = 2.2751E-005 * x + 8.9127E-006$$

$$R = 0.9994$$

$$DL = 0.1464$$

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	22.22	0.0000	P	44.8
2	☐	1.000	0.947	9211.51	0.0011	P	4.1
3	☐	50.000	49.328	477164.67	0.0577	P	0.8
4	☐	125.000	122.246	1173029.74	0.1430	P	1.7
5	☐	250.000	262.221	2389347.40	0.3067	A	6.4
6	☐	500.000	523.223	4798812.26	0.6119	A	1.8
7	☐	1000.000	985.711	9459061.93	1.1528	A	0.7
8	☐			2833.67	0.0003	P	6.6

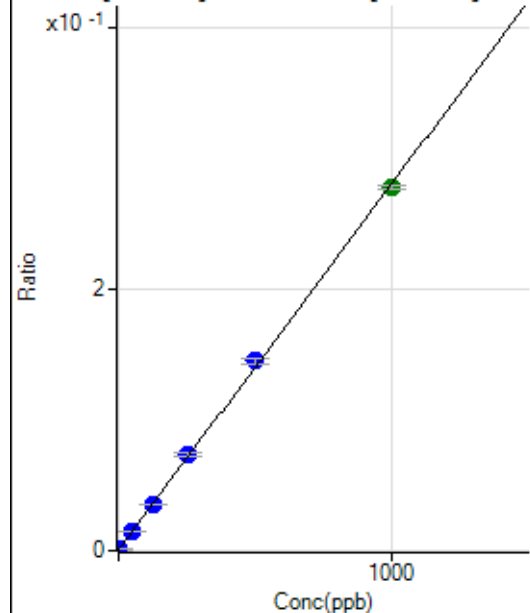
$$y = 0.0012 * x + 2.6006E-006$$

$$R = 0.9995$$

$$DL = 0.002986$$

Weight: <None>

Min Conc: 0

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

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4303.12	0.0005	P	1.0
2	☐	1.000	1.120	6758.06	0.0008	P	5.0
3	☐	50.000	49.972	119605.86	0.0145	P	0.4
4	☐	125.000	122.691	285328.53	0.0348	P	1.5
5	☐	250.000	260.355	570803.89	0.0732	P	5.3
6	☐	500.000	515.951	1134070.63	0.1446	P	2.5
7	☐	1000.000	989.725	2272719.71	0.2770	A	1.2
8	☐			5208.64	0.0006	P	1.0

$$y = 2.7935E-004 * x + 5.0160E-004$$

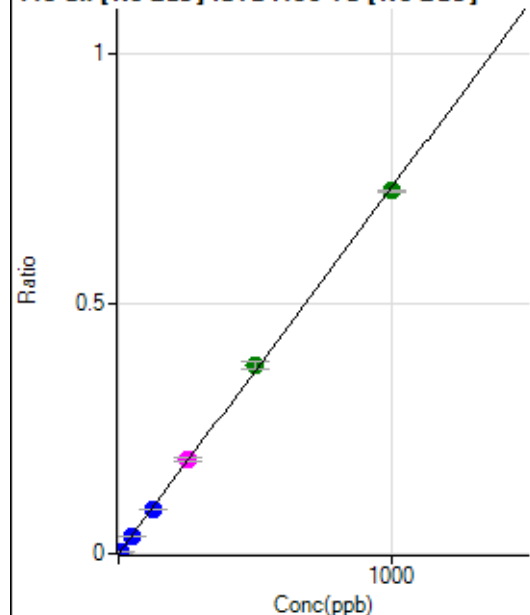
$$R = 0.9997$$

$$DL = 0.05167$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	483.35	0.0001	P	1.7
2	☐	5.000	4.738	29205.82	0.0035	P	2.9
3	☐	50.000	48.562	294008.81	0.0355	P	0.8
4	☐	125.000	120.711	724339.81	0.0883	P	2.2
5	☐	250.000	257.454	1467569.49	0.1882	M	4.5
6	☐	500.000	514.558	2948583.35	0.3761	A	3.7
7	☐	1000.000	991.467	5946542.93	0.7247	A	0.5
8	☐			2189.11	0.0003	P	4.0

$$y = 7.3088\text{E-}004 * x + 5.6332\text{E-}005$$

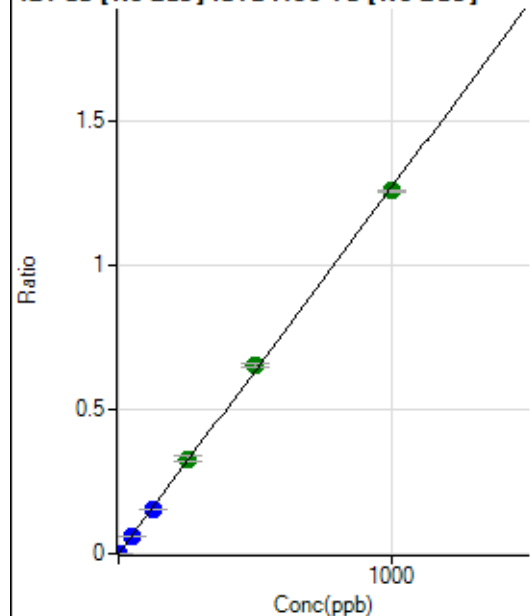
$$R = 0.9998$$

$$DL = 0.003945$$

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	88.89	0.0000	P	15.5
2	☐	2.000	1.868	19744.59	0.0024	P	1.0
3	☐	50.000	47.967	503061.00	0.0608	P	1.0
4	☐	125.000	119.850	1246763.99	0.1520	P	2.2
5	☐	250.000	259.749	2566909.06	0.3293	A	5.3
6	☐	500.000	515.086	5120111.96	0.6530	A	2.8
7	☐	1000.000	990.765	10307786.17	1.2561	A	0.4
8	☐			8897.43	0.0011	P	7.5

$$y = 0.0013 * x + 1.0374\text{E-}005$$

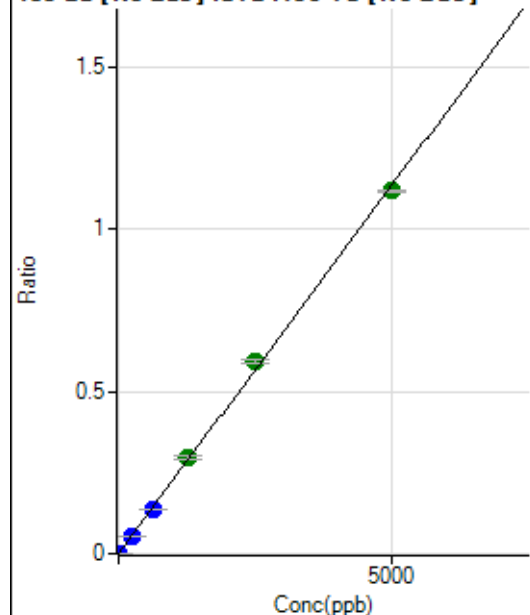
$$R = 0.9997$$

$$DL = 0.003802$$

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	102.78	0.0000	P	36.5
2	☐	10.000	9.131	17263.77	0.0021	P	3.1
3	☐	250.000	242.929	455235.71	0.0550	P	0.4
4	☐	625.000	600.399	1115924.30	0.1360	P	2.4
5	☐	1250.000	1307.704	2310387.60	0.2963	A	3.8
6	☐	2500.000	2618.391	4651019.16	0.5932	A	2.5
7	☐	5000.000	4929.809	9164287.18	1.1168	A	0.5
8	☐			3058.75	0.0004	P	0.8

$$y = 2.2654E-004 * x + 1.1942E-005$$

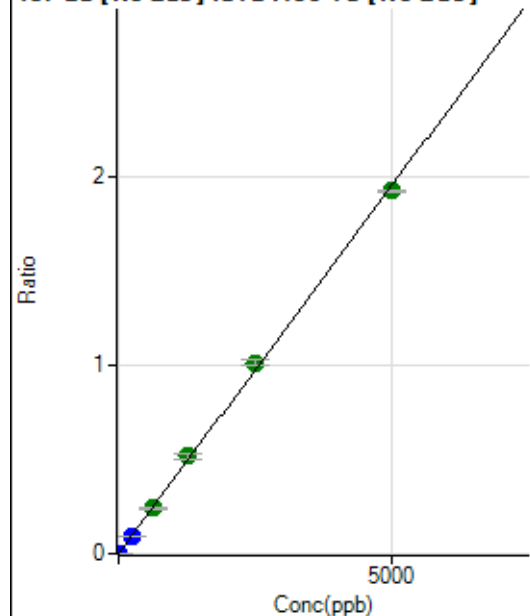
$$R = 0.9995$$

$$DL = 0.05778$$

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	105.56	0.0000	P	24.0
2	☐	10.000	9.193	29881.99	0.0036	P	3.5
3	☐	250.000	245.717	793376.76	0.0959	P	0.4
4	☐	625.000	618.570	1980798.29	0.2415	A	3.4
5	☐	1250.000	1321.320	4019810.29	0.5158	A	5.7
6	☐	2500.000	2598.366	7952012.42	1.0143	A	3.1
7	☐	5000.000	4934.006	15804507.12	1.9260	A	0.4
8	☐			5212.21	0.0006	P	0.7

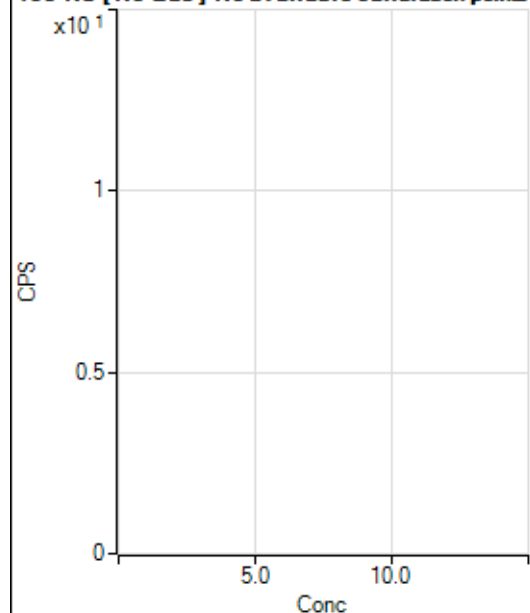
$$y = 3.9036E-004 * x + 1.2306E-005$$

$$R = 0.9996$$

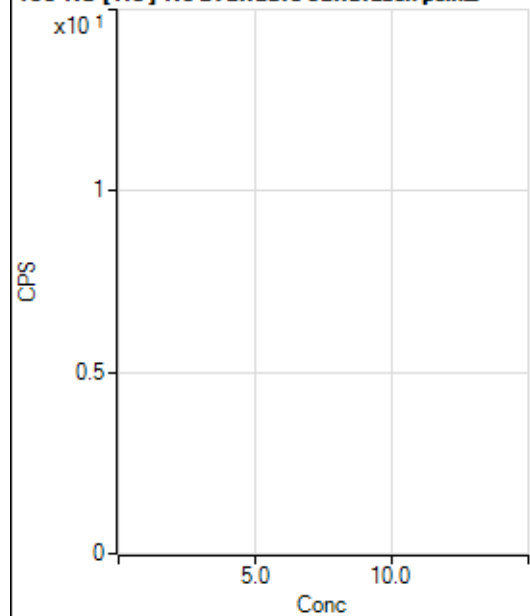
$$DL = 0.02269$$

Weight: <None>

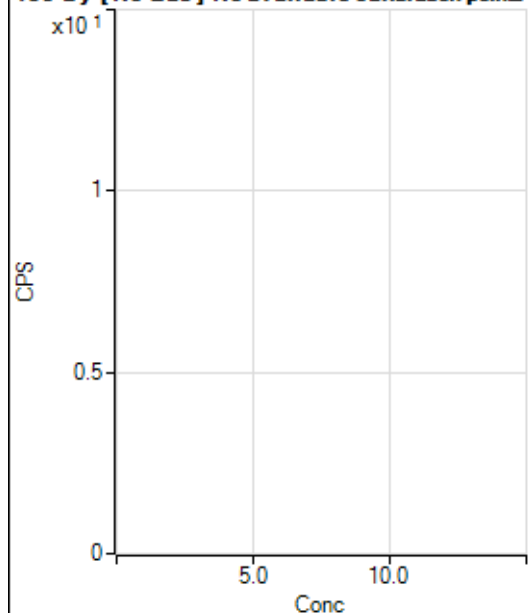
Min Conc: 0

150 Nd [No Gas] No available calibration points

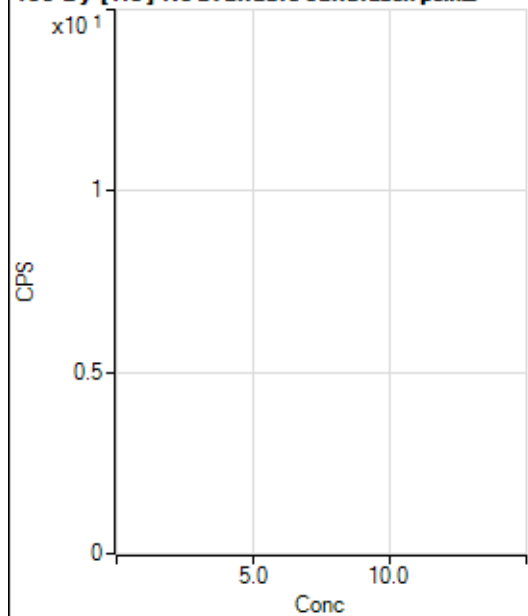
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			20.00		P	33.4
2	☐			11.11		P	91.7
3	☐			31.11		P	44.6
4	☐			88.89		P	30.3
5	☐			166.67		P	12.0
6	☐			326.68		P	23.5
7	☐			526.69		P	7.7
8	☐			88.89		P	22.9

150 Nd [He] No available calibration points

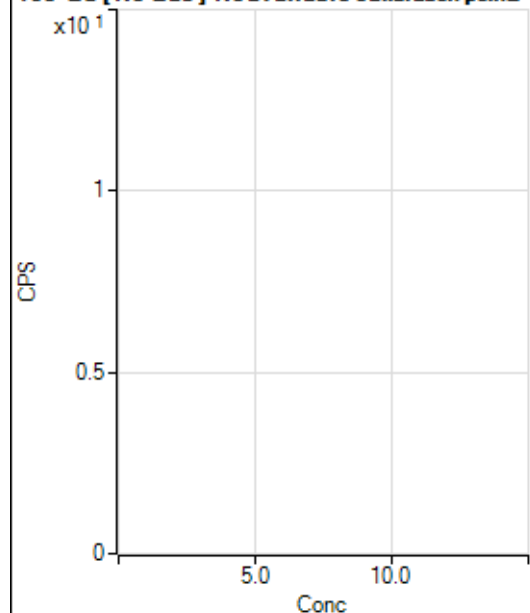
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	43.4
2	☐			3.33		P	100.1
3	☐			7.78		P	49.5
4	☐			16.67		P	52.9
5	☐			33.33		P	10.0
6	☐			71.11		P	7.2
7	☐			130.00		P	8.9
8	☐			56.67		P	0.0

156 Dy [No Gas] No available calibration points

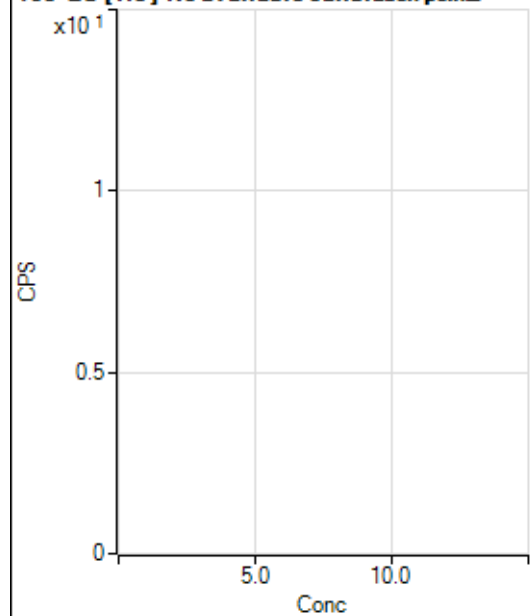
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			22.22		P	78.1
2	☐			0.00		P	
3	☐			19.45		P	24.7
4	☐			77.78		P	37.6
5	☐			147.23		P	28.5
6	☐			294.46		P	16.6
7	☐			486.13		P	5.5
8	☐			1877.95		P	1.0

156 Dy [He] No available calibration points

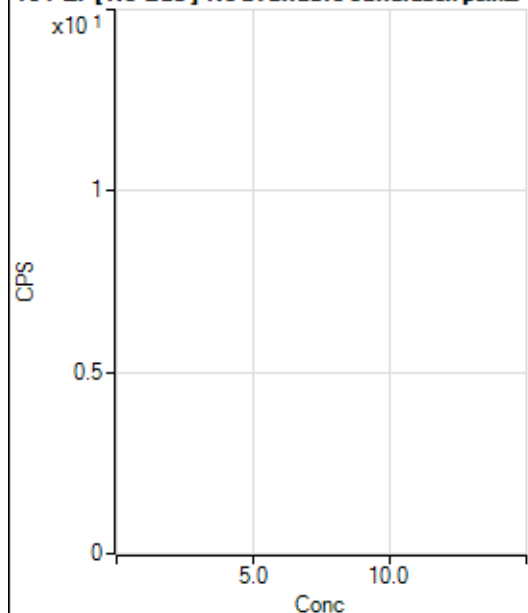
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.45		P	86.6
2	☐			5.55		P	69.3
3	☐			41.11		P	12.4
4	☐			71.11		P	5.4
5	☐			130.00		P	6.8
6	☐			308.89		P	4.4
7	☐			576.69		P	5.9
8	☐			1173.39		P	1.3

160 Gd [No Gas] Noavailable calibration poin...

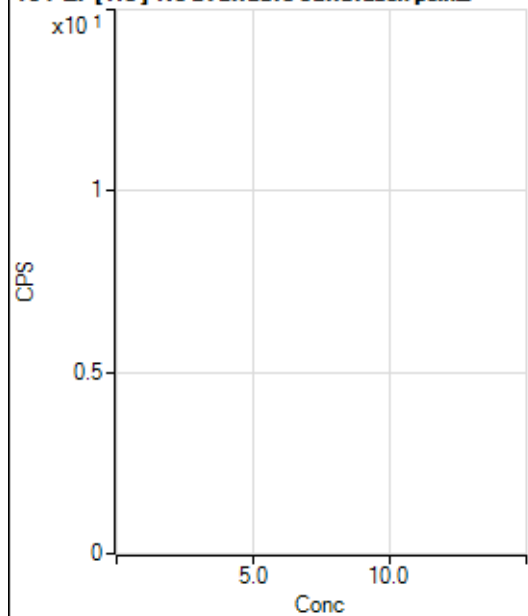
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			100.01		P	14.4
2	☐			55.56		P	56.8
3	☐			69.45		P	38.6
4	☐			125.00		P	46.7
5	☐			119.45		P	34.4
6	☐			158.34		P	24.1
7	☐			425.02		P	12.2
8	☐			1272.32		P	5.0

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			183.34		P	9.1
2	☐			197.78		P	6.8
3	☐			221.12		P	4.6
4	☐			198.89		P	6.8
5	☐			238.89		P	18.2
6	☐			295.56		P	9.2
7	☐			396.68		P	8.0
8	☐			1217.84		P	5.2

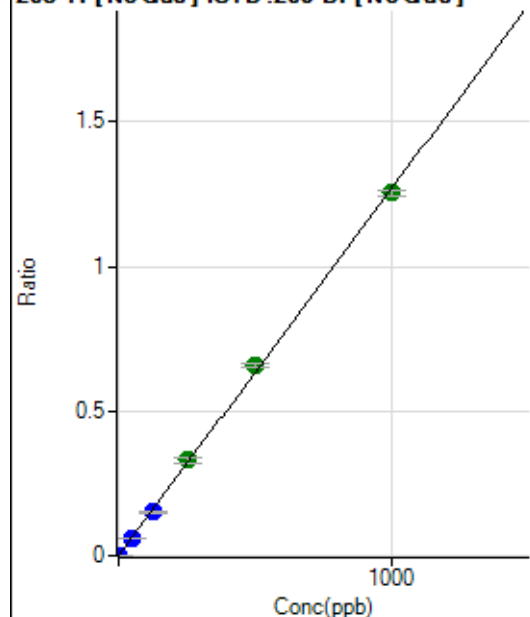
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			61.12		P	63.0
2	☐			44.44		P	60.3
3	☐			72.22		P	6.7
4	☐			66.67		P	33.1
5	☐			72.22		P	74.2
6	☐			91.67		P	32.8
7	☐			108.34		P	35.2
8	☐			213.90		P	26.5

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			34.45		P	39.1
2	☐			46.67		P	21.4
3	☐			45.56		P	11.2
4	☐			44.45		P	24.1
5	☐			53.33		P	33.1
6	☐			56.67		P	17.6
7	☐			83.33		P	41.6
8	☐			135.56		P	13.5

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	602.81	0.0001	P	4.4
2	☐	1.000	0.880	7952.51	0.0012	P	5.0
3	☐	50.000	47.024	388920.23	0.0598	P	0.5
4	☐	125.000	118.998	947390.17	0.1511	P	4.0
5	☐	250.000	259.732	1989575.63	0.3297	A	7.6
6	☐	500.000	519.559	3949785.64	0.6595	A	1.8
7	☐	1000.000	988.687	7870594.18	1.2549	A	1.4
8	☐			2325.26	0.0004	P	14.2

$$y = 0.0013 * x + 9.0161E-005$$

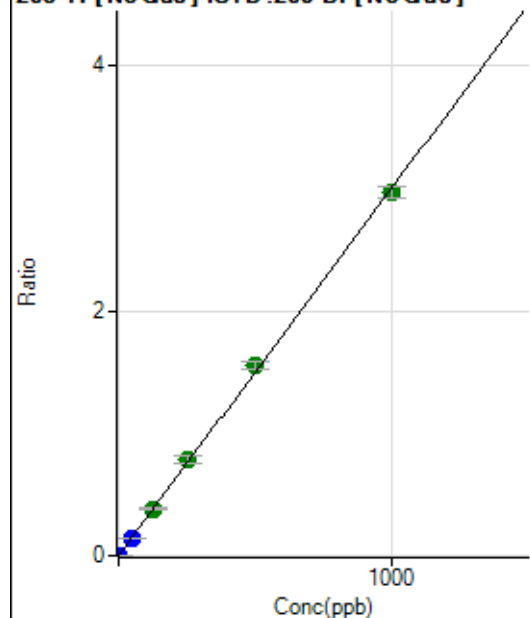
$$R = 0.9996$$

$$DL = 0.00947$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1175.09	0.0002	P	6.4
2	☐	1.000	0.873	18407.34	0.0028	P	2.1
3	☐	50.000	47.000	918620.92	0.1412	P	1.2
4	☐	125.000	125.844	2368100.79	0.3777	A	4.1
5	☐	250.000	260.519	4715489.95	0.7818	A	8.1
6	☐	500.000	518.718	9318306.20	1.5564	A	3.2
7	☐	1000.000	988.056	18587901.11	2.9645	A	3.0
8	☐			5187.25	0.0009	P	10.5

$$y = 0.0030 * x + 1.7577E-004$$

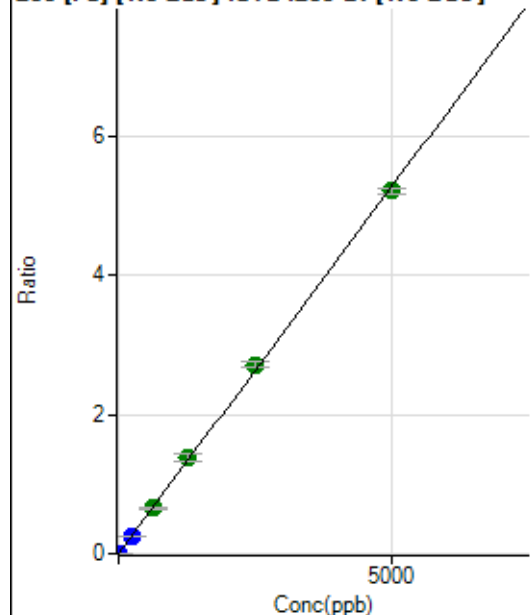
$$R = 0.9996$$

$$DL = 0.01123$$

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	594.47	0.0001	P	14.1
2	☐	1.000	0.893	6790.70	0.0010	P	1.3
3	☐	250.000	231.741	1589724.44	0.2443	P	0.6
4	☐	625.000	626.547	4140748.47	0.6604	A	3.5
5	☐	1250.000	1303.542	8288642.84	1.3739	A	7.6
6	☐	2500.000	2581.287	16289608.23	2.7205	A	2.8
7	☐	5000.000	4946.691	32696187.77	5.2134	A	1.7
8	☐			22682.18	0.0037	P	3.2

$$y = 0.0011 * x + 8.8959E-005$$

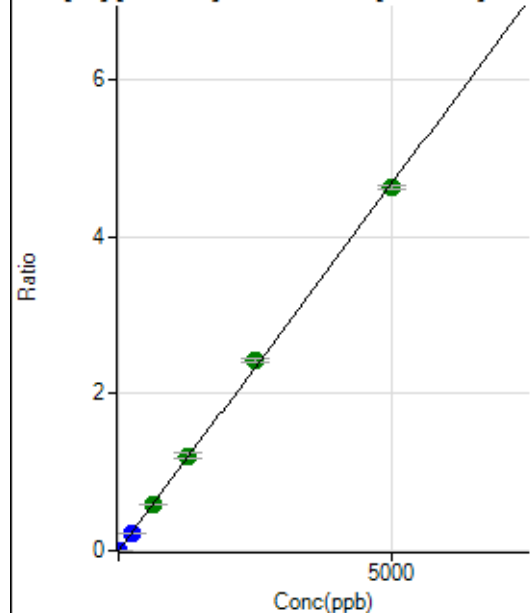
$$R = 0.9997$$

$$DL = 0.03577$$

Weight: <None>

Min Conc: 0

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



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	538.91	0.0001	P	3.7
2	☐	1.000	0.914	6164.46	0.0009	P	2.3
3	☐	250.000	228.017	1388514.17	0.2134	P	0.8
4	☐	625.000	625.941	3672603.29	0.5857	A	2.8
5	☐	1250.000	1295.632	7315759.71	1.2122	A	6.8
6	☐	2500.000	2589.161	14504743.61	2.4223	A	2.6
7	☐	5000.000	4944.993	29017875.19	4.6263	A	1.1
8	☐			19823.92	0.0033	P	2.4

$$y = 9.3553E-004 * x + 8.0614E-005$$

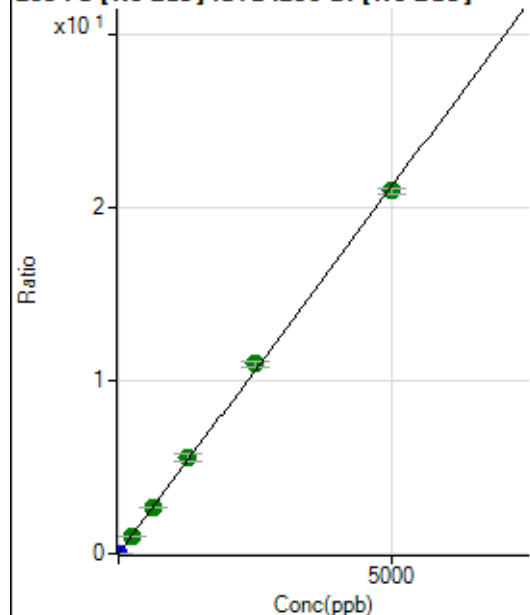
$$R = 0.9997$$

$$DL = 0.009454$$

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	2437.17	0.0004	P	3.8
2	☐	1.000	0.895	27387.09	0.0042	P	1.0
3	☐	250.000	240.503	6629882.04	1.0189	A	0.8
4	☐	625.000	627.846	16675190.21	2.6594	A	3.2
5	☐	1250.000	1305.529	33366024.24	5.5295	A	7.2
6	☐	2500.000	2588.128	65629412.12	10.9615	A	3.1
7	☐	5000.000	4942.173	131278338.12	20.9313	A	1.5
8	☐			89864.64	0.0148	P	2.2

$$y = 0.0042 * x + 3.6457E-004$$

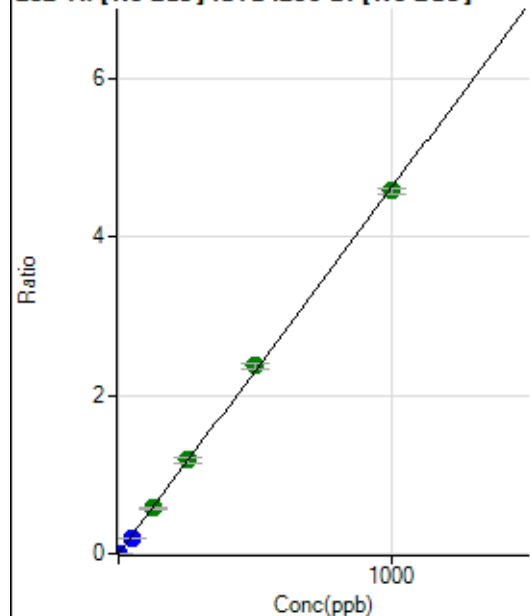
$$R = 0.9997$$

$$DL = 0.00971$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	166.67	0.0000	P	2.8
2	☐	1.000	0.810	24795.55	0.0038	P	2.1
3	☐	50.000	42.984	1291237.91	0.1984	P	1.1
4	☐	125.000	124.647	3608549.27	0.5754	A	2.6
5	☐	250.000	256.366	7141801.14	1.1835	A	7.0
6	☐	500.000	514.371	14217188.86	2.3745	A	3.1
7	☐	1000.000	991.618	28708950.64	4.5776	A	1.8
8	☐			3407.90	0.0006	P	4.2

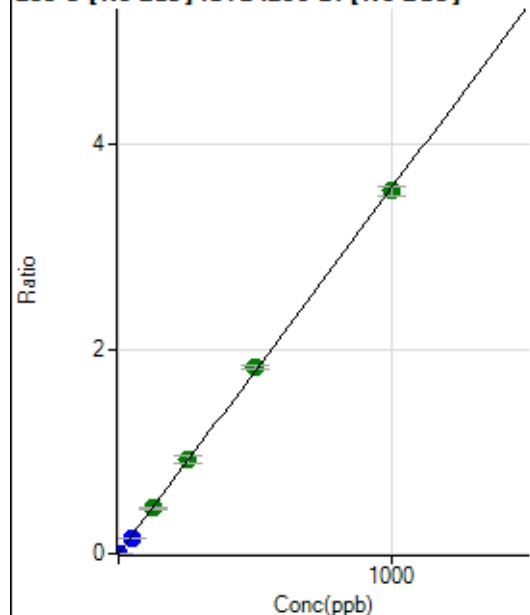
$$y = 0.0046 * x + 2.4926E-005$$

$$R = 0.9998$$

$$DL = 0.0004499$$

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	-59.63	0.0000	P	-18.8
2	☐	1.000	0.901	21166.61	0.0032	P	2.5
3	☐	50.000	41.744	971505.02	0.1493	P	1.7
4	☐	125.000	124.514	2793268.59	0.4454	A	2.4
5	☐	250.000	257.110	5545737.68	0.9197	A	8.5
6	☐	500.000	512.137	10971362.28	1.8319	A	1.8
7	☐	1000.000	992.628	22265450.70	3.5507	A	2.4
8	☐			485.24	0.0001	P	37.8

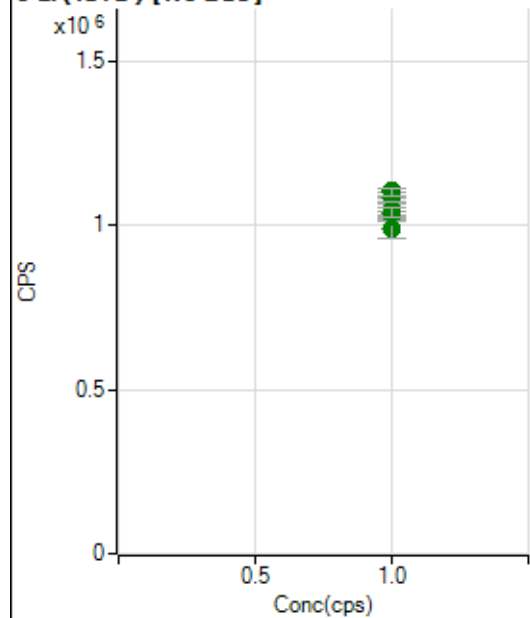
$$y = 0.0036 * x - 8.9133E-006$$

$$R = 0.9998$$

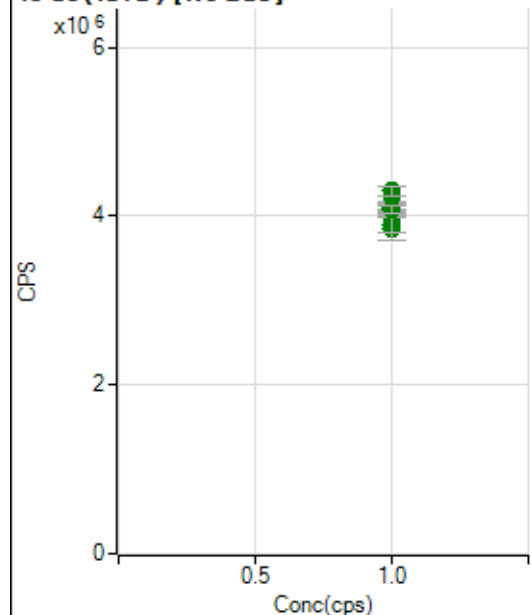
$$DL = 0.001406$$

Weight: <None>

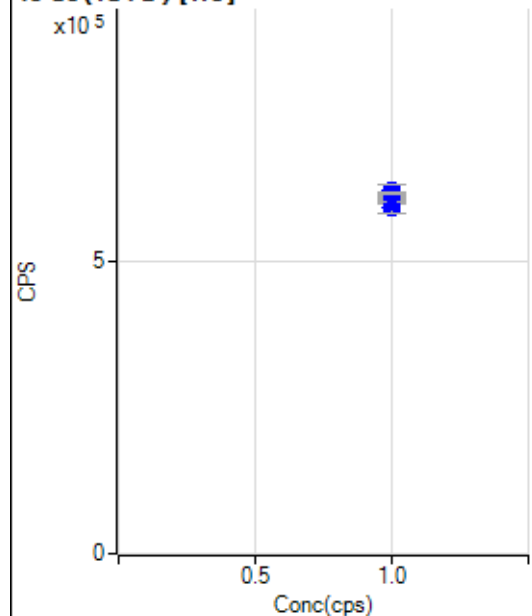
Min Conc: 0

6 Li (ISTD) [No Gas]

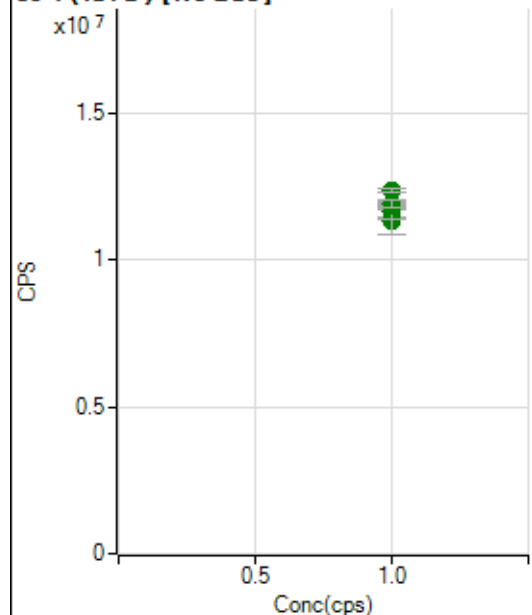
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	1.000		1105429.59		A	1.1
2	☐	1.000		1074953.67		A	2.1
3	☐	1.000		1082495.58		A	1.4
4	☐	1.000		1023434.59		A	1.5
5	☐	1.000		991193.79		A	5.5
6	☐	1.000		1028252.42		A	3.0
7	☐	1.000		1038094.28		A	2.7
8	☐	1.000		1099296.00		A	2.2

45 Sc (ISTD) [No Gas]

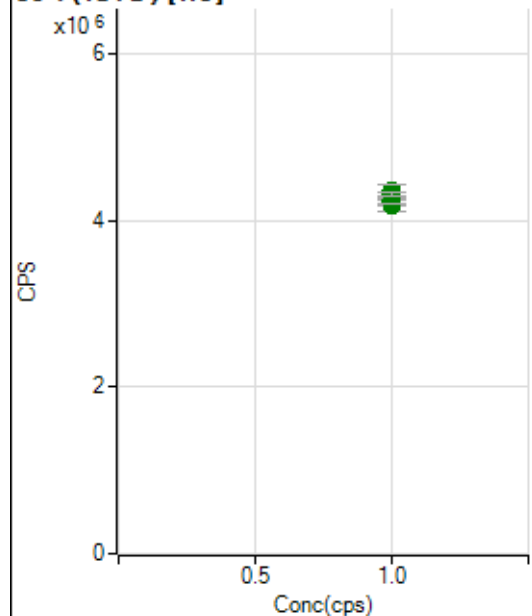
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4159588.65		A	0.5
2	☐	1.000		4109479.28		A	1.4
3	☐	1.000		4000413.00		A	0.9
4	☐	1.000		4016066.68		A	1.5
5	☐	1.000		3852724.14		A	7.6
6	☐	1.000		3891734.42		A	4.7
7	☐	1.000		4082058.58		A	2.0
8	☐	1.000		4297976.91		A	2.3

45 Sc (ISTD) [He]

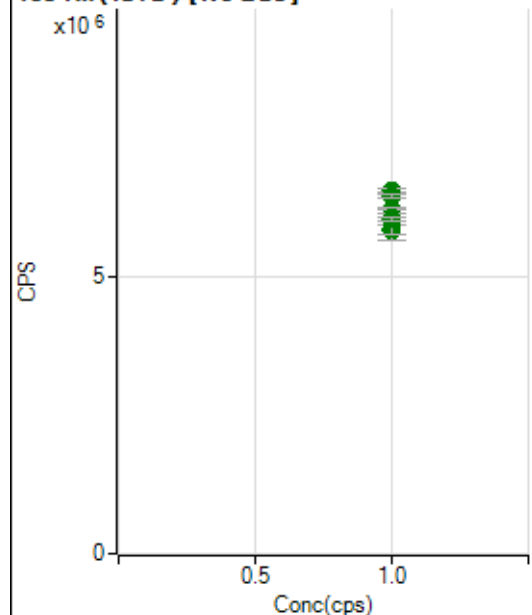
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		592431.30		P	3.1
2	☐	1.000		615374.83		P	0.4
3	☐	1.000		603342.54		P	1.0
4	☐	1.000		612552.97		P	1.0
5	☐	1.000		617410.59		P	0.8
6	☐	1.000		621771.47		P	3.1
7	☐	1.000		603825.20		P	0.2
8	☐	1.000		616435.34		P	0.6

89 Y (ISTD) [No Gas]

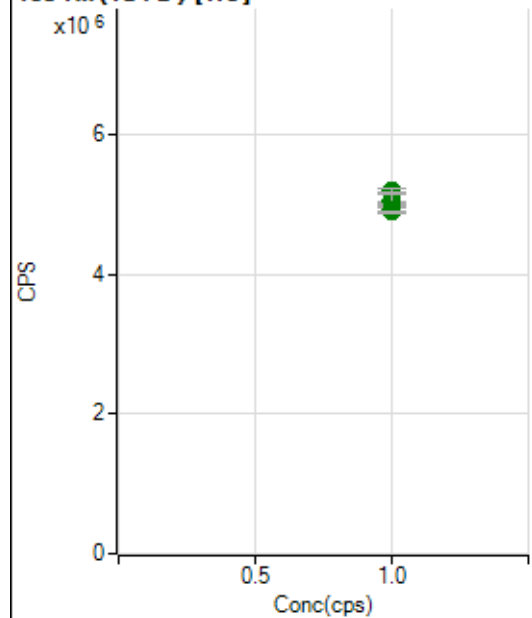
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12363061.90		A	1.1
2	☐	1.000		11957554.96		A	1.5
3	☐	1.000		11913392.88		A	1.6
4	☐	1.000		11689256.63		A	3.4
5	☐	1.000		11311376.29		A	7.5
6	☐	1.000		11635987.05		A	3.6
7	☐	1.000		11867627.60		A	0.7
8	☐	1.000		11934976.49		A	2.1

89 Y (ISTD) [He]

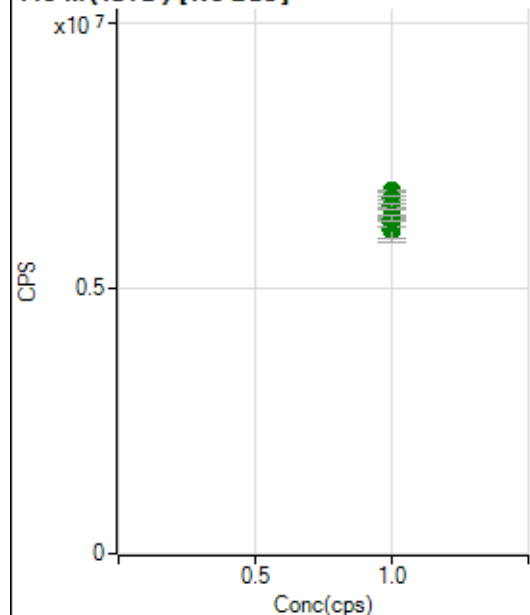
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4176637.54		A	3.7
2	☐	1.000		4297435.35		A	1.8
3	☐	1.000		4184147.33		A	0.3
4	☐	1.000		4227434.52		A	1.3
5	☐	1.000		4253360.18		A	0.4
6	☐	1.000		4352862.15		A	3.9
7	☐	1.000		4235118.27		A	1.4
8	☐	1.000		4314226.40		A	0.6

103 Rh (ISTD) [No Gas]

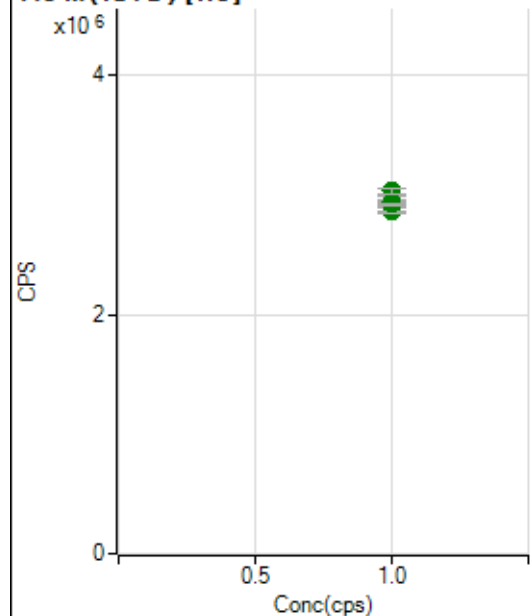
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6564642.96		A	1.1
2	☐	1.000		6457893.31		A	1.0
3	☐	1.000		6238832.27		A	0.7
4	☐	1.000		6058767.90		A	3.2
5	☐	1.000		5841701.20		A	6.3
6	☐	1.000		5887674.98		A	4.3
7	☐	1.000		6091448.52		A	2.7
8	☐	1.000		6045919.22		A	1.2

103 Rh (ISTD) [He]

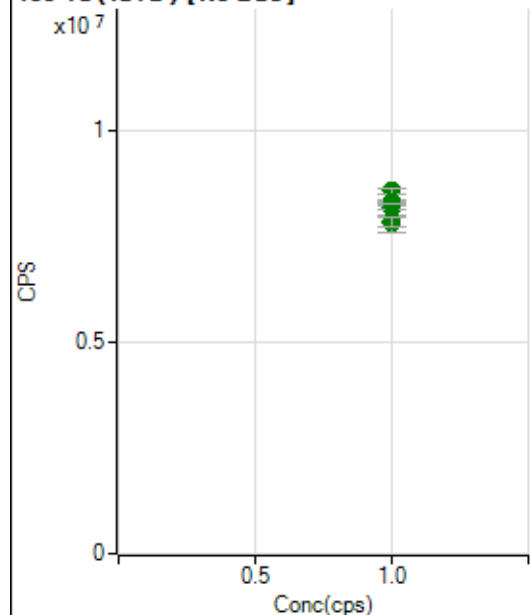
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5048994.71		A	4.2
2	☐	1.000		5190816.87		A	0.9
3	☐	1.000		5022437.56		A	0.5
4	☐	1.000		4988815.37		A	0.8
5	☐	1.000		4969732.25		A	1.0
6	☐	1.000		5047930.31		A	3.9
7	☐	1.000		4917161.63		A	1.5
8	☐	1.000		4887300.00		A	0.4

115 In (ISTD) [No Gas]

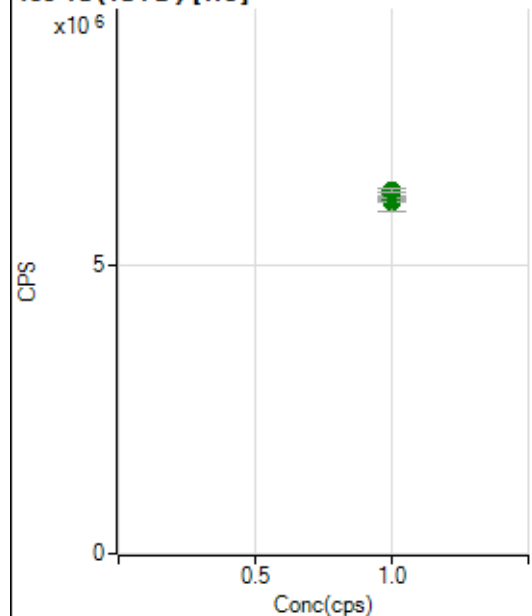
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6832435.51		A	0.2
2	☐	1.000		6698140.04		A	1.2
3	☐	1.000		6548319.19		A	0.9
4	☐	1.000		6387025.74		A	2.6
5	☐	1.000		6108820.65		A	7.6
6	☐	1.000		6098758.07		A	4.9
7	☐	1.000		6226554.50		A	2.4
8	☐	1.000		6313905.44		A	1.8

115 In (ISTD) [He]

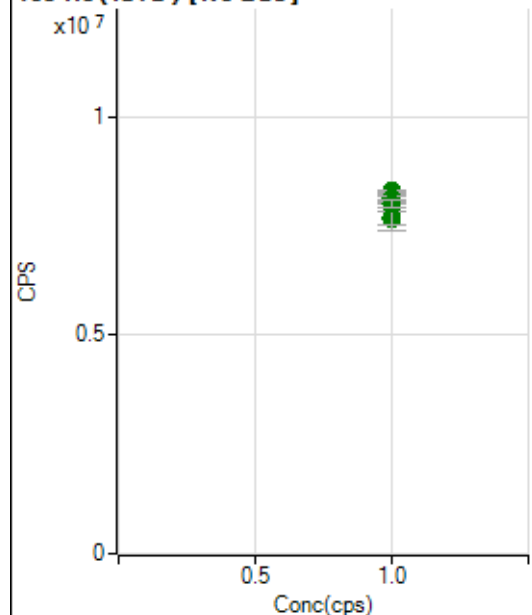
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2930256.47		A	4.2
2	☐	1.000		3035723.24		A	1.9
3	☐	1.000		2937648.04		A	1.5
4	☐	1.000		2919788.13		A	1.2
5	☐	1.000		2913355.18		A	1.4
6	☐	1.000		2952063.40		A	3.6
7	☐	1.000		2857557.65		A	0.6
8	☐	1.000		2926234.62		A	0.5

159 Tb (ISTD) [No Gas]

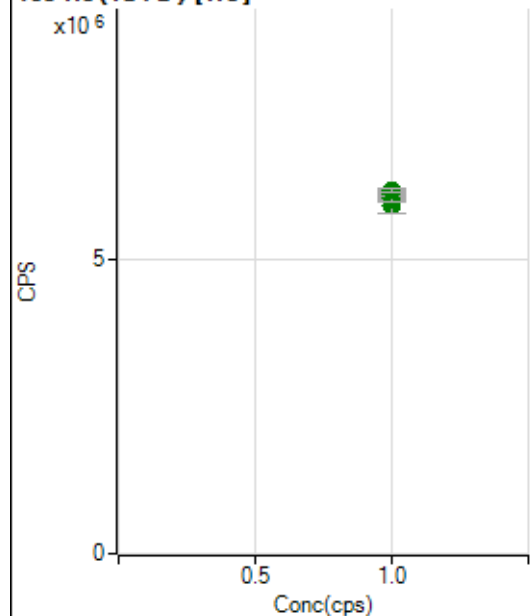
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8579161.05		A	1.3
2	☐	1.000		8300160.08		A	1.4
3	☐	1.000		8270629.88		A	1.0
4	☐	1.000		8206543.91		A	2.0
5	☐	1.000		7809441.83		A	5.5
6	☐	1.000		7844661.27		A	2.9
7	☐	1.000		8205830.36		A	1.3
8	☐	1.000		8276444.60		A	0.2

159 Tb (ISTD) [He]

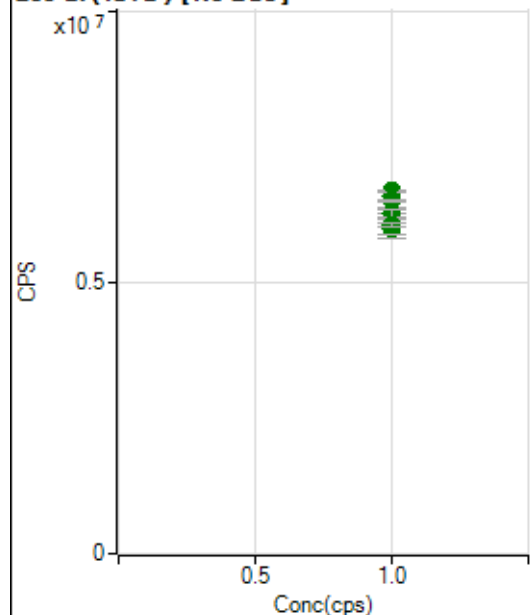
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6082846.57		A	5.4
2	☐	1.000		6173257.89		A	0.7
3	☐	1.000		6204828.24		A	0.1
4	☐	1.000		6112295.26		A	0.4
5	☐	1.000		6117878.17		A	1.2
6	☐	1.000		6259588.24		A	2.2
7	☐	1.000		6216451.37		A	1.8
8	☐	1.000		6283910.67		A	1.1

165 Ho (ISTD) [No Gas]

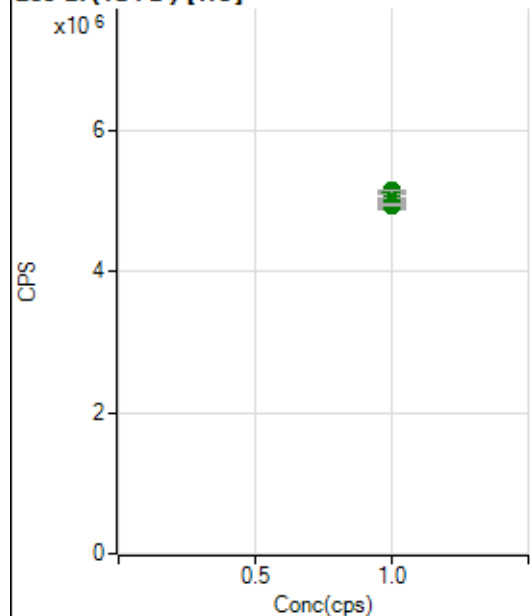
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8298600.36		A	0.5
2	☐	1.000		8140453.70		A	1.7
3	☐	1.000		8117381.13		A	1.4
4	☐	1.000		7927647.17		A	2.5
5	☐	1.000		7636853.70		A	7.0
6	☐	1.000		7708835.58		A	5.4
7	☐	1.000		7991717.93		A	2.1
8	☐	1.000		7995193.70		A	1.9

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5897787.21		A	4.5
2	☐	1.000		6118104.63		A	0.6
3	☐	1.000		6097681.79		A	2.0
4	☐	1.000		5998210.95		A	0.3
5	☐	1.000		6011358.04		A	1.6
6	☐	1.000		6067562.20		A	2.5
7	☐	1.000		6028845.19		A	1.6
8	☐	1.000		6154845.32		A	1.0

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6685945.11		A	0.6
2	☐	1.000		6590681.64		A	2.7
3	☐	1.000		6506823.03		A	0.6
4	☐	1.000		6274796.99		A	3.5
5	☐	1.000		6055715.95		A	7.5
6	☐	1.000		5991393.17		A	3.4
7	☐	1.000		6273381.85		A	2.7
8	☐	1.000		6056305.88		A	1.2

209 Bi (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5018702.70		A	4.2
2	☐	1.000		5144587.56		A	0.8
3	☐	1.000		5126092.70		A	0.6
4	☐	1.000		5001747.88		A	0.2
5	☐	1.000		4999632.01		A	0.7
6	☐	1.000		4981136.97		A	3.0
7	☐	1.000		4938195.00		A	2.4
8	☐	1.000		4947865.59		A	0.6

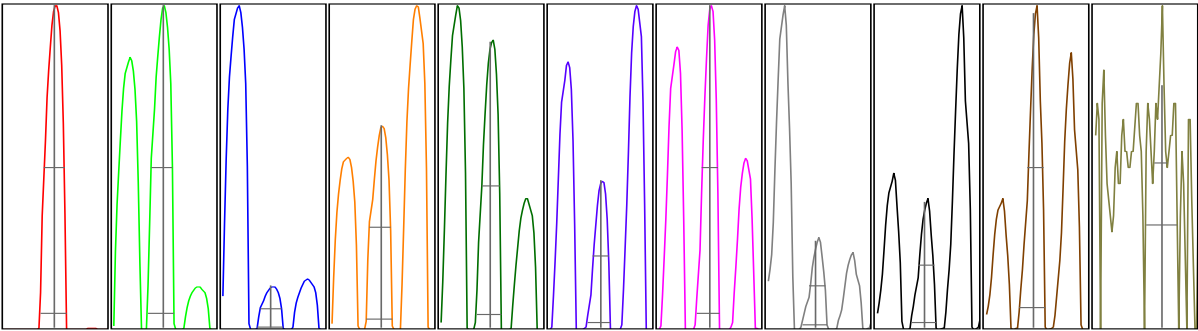
US EPA Tune Check Sample Report

Batch Folder C:\Agilent\ICPMH\1\DATA\P7120721 MS.b
Report Comment
Instrument Name G8403A JP14410463

[No Gas]				
Mass	Count	RSD%	RSD%	RSD%
	(Mean)	(Actual)	(Required)	(Flag)
9	8805	1.63	5.00	
24	57993	1.68	5.00	
25	7568	0.78	5.00	
26	8850	1.44	5.00	
59	17499	1.27	5.00	
113	9446	1.13	5.00	
115	23474	1.77	5.00	
206	12258	1.85	5.00	
207	10328	1.95	5.00	
208	25245	2.20	5.00	
220	1	24.18		

	Replicate 1	Replicate 2	Replicate 3	Replicate 4	Replicate 5
Mass	Count	Count	Count	Count	Count
9	8716	8597	8918	8873	8924
24	58782	56351	57919	58579	58332
25	7546	7481	7637	7596	7581
26	8685	8758	8984	8957	8867
59	17329	17201	17714	17586	17662
113	9324	9353	9577	9459	9515
115	23039	23075	23485	23835	23937
206	11945	12094	12380	12473	12399
207	10125	10121	10348	10540	10508
208	24707	24570	25672	25628	25645
220	1	1	1	0	1

Integration Time [sec] = 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	Width-X% (Actual)	Width-X% (Required)	Width-X% (Flag)
9	15737	9.00	8.9 - 9.1		0.772	0.900	
24	101961	24.00	23.9 - 24.1		0.778	0.900	
25	13274	24.95	24.9 - 25.1		0.743	0.900	
26	15776	26.00	25.9 - 26.1		0.744	0.900	
59	33768	59.00	58.9 - 59.1		0.732	0.900	
113	20856	113.05	112.9 - 113.1		0.672	0.900	
115	52252	115.05	114.9 - 115.1		0.672	0.900	
206	26811	205.95	205.9 - 206.1		0.728	0.900	
207	22959	206.95	206.9 - 207.1		0.720	0.900	
208	57285	207.95	207.9 - 208.1		0.733	0.900	
220	1	220.50	-		0.925		

X% = 5 Integration Time [sec] = 0.1 Acquisition Time [sec] = 256.8 Y Axis = Linear

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.76	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.42 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	10.1	V	Deflect	13.2	V
Extract 2	-250.0	V	Cell Entrance	-30	V	Plate Bias	-35	V
Omega Bias	-100	V	Cell Exit	-50	V			

Cell Parameters

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

[He]

Mass	Count	RSD%	RSD%
	(Mean)	(Actual)	(Required)
59	9265	0.86	
89	38901	0.59	
205	32394	0.95	

	Replicate 1	Replicate 2	Replicate 3	Replicate 4	Replicate 5
Mass	Count	Count	Count	Count	Count
59	9338	9304	9220	9316	9146
89	39136	39113	38887	38767	38603
205	32562	32744	31978	32190	32493

Integration Time [sec] = 0.1

Tune Parameters

Plasma Paramters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
RF Power	1600	W	Carrier Gas	0.76	L/min	S/C Temp		2 °C
RF Matching	1.80	V	Option Gas	0.0	%	Gas Switch		Dilution Gas
Smpl Depth	9.0	mm	Nebulizer Pump	0.10	rpm	Makeup/Dilution Gas		0.42 L/min

Lenses Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Extract 1	0.0	V	Omega Lens	9.5	V	Deflect	3.8	V
Extract 2	-250.0	V	Cell Entrance	-40	V	Plate Bias	-60	V
Omega Bias	-120	V	Cell Exit	-60	V			

Cell Parameters

ParameterName	Value	Unit	ParameterName	Value	Unit	ParameterName	Value	Unit
Use Gas	Yes		OctP Bias	-18.0	V	Energy Discrimination		5.0 V
He Flow	3.9	mL/min	OctP RF	200	V			

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 16:58:33	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.13	-0.11	-0.03	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.00	0.00	0.00	0.00	N/A	ppb
Barium	135-1	-0.02	0.01	0.01	0.00	N/A	ppb
Barium	137-1	0.00	0.01	-0.01	0.00	N/A	ppb
Beryllium	9-1	0.01	0.00	-0.01	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Boron	10-1	0.25	-0.11	-0.14	0.00	N/A	ppb
Boron	11-1	-0.02	0.01	0.01	0.00	N/A	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	0.01	0.01	-0.02	0.00	N/A	ppb
Cadmium	106-1	0.06	0.21	-0.27	0.00	N/A	ppb
Cadmium	108-1	0.04	0.01	-0.05	0.00	N/A	ppb
Calcium	43-1	-5.98	-0.86	6.83	0.00	N/A	ppb
Calcium	44-1	-3.65	-6.47	10.13	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.07	-0.03	-0.03	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.08	-0.07	-0.01	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.10	0.01	-0.11	0.00	N/A	ppb
Iron	57-2	1.95	-0.91	-1.04	0.00	N/A	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 16:58:33	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	1.61	-1.93	0.32	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	-0.01	0.01	0.00	N/A	ppb
Lead	207-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.09	0.04	-0.12	0.00	N/A	ppb
Manganese	55-2	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	94-1	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	96-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.01	-0.01	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.02	-0.02	0.00	0.00	N/A	ppb
Phosphorus	31-2	-8.21	-12.02	-10.97	-10.40		ppb
Potassium	39-2	15.15	-5.25	-9.90	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.26	-0.19	0.46	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.11	0.03	0.08	0.00	N/A	ppb
Silicon	28-1	-0.26	-0.23	0.49	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	2.15	-0.71	-1.44	0.00	N/A	ppb
Strontium	86-1	0.05	-0.03	-0.03	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-272.39	-1648.64	669.74	-417.10		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 16:58:33	DataFile Name :	003CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	0.11	-0.06	-0.05	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.05	0.00	-0.05	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	N/A	ppb
Zirconium	91-1	0.02	-0.02	0.00	0.00	N/A	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:04:25	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.10	16.79	17.18	17.36	3.86	ppb
Antimony	121-1	1.85	1.88	1.87	1.87	0.98	ppb
Arsenic	75-2	1.02	0.94	0.98	0.98	3.74	ppb
Barium	135-1	9.46	8.95	8.99	9.13	3.10	ppb
Barium	137-1	9.33	9.42	8.83	9.19	3.47	ppb
Beryllium	9-1	0.94	0.98	0.97	0.96	1.95	ppb
Bismuth	209-1				99		%
Bismuth	209-2				103		%
Boron	10-1	21.64	22.66	24.19	22.83	5.62	ppb
Boron	11-1	21.50	23.19	23.20	22.63	4.34	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	1.28	1.07	1.01	1.12	12.93	ppb
Cadmium	106-1	3.83	2.02	0.88	2.25	66.30	ppb
Cadmium	108-1	1.02	0.92	0.98	0.98	5.04	ppb
Calcium	43-1	495.98	479.07	475.96	483.67	2.23	ppb
Calcium	44-1	507.85	500.90	494.67	501.14	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.94	1.86	1.88	1.89	2.34	ppb
Cobalt	59-2	0.98	0.99	0.98	0.99	0.16	ppb
Copper	63-2	1.97	1.84	1.87	1.90	3.71	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				98		%
Holmium	165-2				104		%
Indium	115-1				98		%
Indium	115-2				104		%
Iron	56-2	49.12	48.09	49.16	48.79	1.25	ppb
Iron	57-2	48.06	50.45	47.15	48.55	3.51	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:04:25	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	51.65	47.59	47.95	49.06	4.57	ppb
Krypton	83-1						cps
Lead	206-1	0.90	0.90	0.88	0.89	1.45	ppb
Lead	207-1	0.94	0.90	0.90	0.91	2.46	ppb
Lead	208-1	0.91	0.89	0.89	0.90	1.11	ppb
Lithium	6-1				97		%
Magnesium	24-2	468.76	467.66	467.20	467.87	0.17	ppb
Manganese	55-2	0.97	1.03	1.00	1.00	3.45	ppb
Molybdenum	94-1	5.93	5.57	5.82	5.77	3.17	ppb
Molybdenum	95-1	4.88	4.74	4.61	4.74	2.82	ppb
Molybdenum	96-1	4.66	4.85	4.65	4.72	2.43	ppb
Molybdenum	97-1	4.89	4.95	5.01	4.95	1.28	ppb
Molybdenum	98-1	5.06	4.75	4.61	4.80	4.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.99	1.01	0.97	0.99	2.13	ppb
Phosphorus	31-2	5.59	4.31	21.31	10.40	90.98	ppb
Potassium	39-2	481.64	477.63	465.33	474.87	1.79	ppb
Rhodium	103-1				98		%
Rhodium	103-2				103		%
Scandium	45-1				99		%
Scandium	45-2				104		%
Selenium	82-1	4.73	5.03	4.65	4.80	4.23	ppb
Selenium	77-2	4.57	5.56	4.81	4.98	10.37	ppb
Selenium	78-2	4.54	5.05	4.93	4.84	5.58	ppb
Silicon	28-1	10.37	7.60	7.93	8.63	17.55	ppb
Silver	107-1	0.99	0.91	0.90	0.93	5.49	ppb
Silver	109-1	0.99	0.94	0.91	0.95	4.13	ppb
Sodium	23-2	463.20	471.23	467.67	467.37	0.86	ppb
Strontium	86-1	1.05	0.99	0.92	0.99	6.91	ppb
Strontium	88-1	0.97	0.95	0.95	0.96	1.30	ppb
Sulfur	34-1	1895.03	113.46	-757.21	417.10	324.13	ppb
Terbium	159-1				97		%
Terbium	159-2				101		%
Thallium	203-1	0.92	0.89	0.83	0.88	5.37	ppb
Thallium	205-1	0.89	0.88	0.85	0.87	2.27	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:04:25	DataFile Name :	005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.83	0.79	0.81	0.81	2.13	ppb
Tin	118-1	4.86	4.76	4.59	4.74	2.93	ppb
Titanium	47-1	4.80	5.01	5.02	4.94	2.51	ppb
Uranium	238-1	0.93	0.88	0.90	0.90	2.51	ppb
Vanadium	51-2	4.62	4.56	4.54	4.58	0.84	ppb
Yttrium	89-1				97		%
Yttrium	89-2				103		%
Zinc	66-2	2.05	2.05	2.12	2.07	1.94	ppb
Zirconium	90-1	0.89	0.92	0.90	0.90	1.63	ppb
Zirconium	91-1	1.01	0.89	0.98	0.96	6.68	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:10:17	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	952.27	941.89	953.38	949.18	0.67	ppb
Antimony	121-1	47.77	48.52	47.61	47.97	1.02	ppb
Arsenic	75-2	49.18	49.61	48.75	49.18	0.87	ppb
Barium	135-1	243.95	241.94	242.90	242.93	0.42	ppb
Barium	137-1	246.79	244.64	245.72	245.72	0.44	ppb
Beryllium	9-1	46.27	46.81	47.55	46.88	1.37	ppb
Bismuth	209-1				97		%
Bismuth	209-2				102		%
Boron	10-1	45.51	49.71	49.80	48.34	5.06	ppb
Boron	11-1	45.72	48.24	48.13	47.36	3.00	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	49.86	49.82	50.24	49.97	0.46	ppb
Cadmium	106-1	50.81	50.02	50.23	50.35	0.81	ppb
Cadmium	108-1	49.98	50.53	51.22	50.58	1.23	ppb
Calcium	43-1	5262.22	5338.04	5429.41	5343.22	1.57	ppb
Calcium	44-1	5297.72	5160.27	5234.58	5230.86	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.29	50.35	50.49	50.38	0.20	ppb
Cobalt	59-2	50.79	50.35	51.25	50.80	0.88	ppb
Copper	63-2	525.22	510.56	524.70	520.16	1.60	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				103		%
Indium	115-1				96		%
Indium	115-2				100		%
Iron	56-2	2592.96	2588.03	2623.58	2601.52	0.74	ppb
Iron	57-2	2587.27	2595.36	2577.72	2586.78	0.34	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:10:17	DataFile Name :	007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	2684.26	2671.37	2681.17	2678.93	0.25	ppb
Krypton	83-1						cps
Lead	206-1	233.17	231.67	230.39	231.74	0.60	ppb
Lead	207-1	227.44	230.09	226.52	228.02	0.81	ppb
Lead	208-1	240.81	242.30	238.40	240.50	0.82	ppb
Lithium	6-1				98		%
Magnesium	24-2	5159.63	5064.08	5131.28	5118.33	0.96	ppb
Manganese	55-2	526.12	512.10	527.23	521.82	1.62	ppb
Molybdenum	94-1	527.26	541.40	543.09	537.25	1.62	ppb
Molybdenum	95-1	537.65	553.85	550.23	547.24	1.55	ppb
Molybdenum	96-1	529.44	543.84	528.07	533.78	1.64	ppb
Molybdenum	97-1	530.60	529.11	526.97	528.89	0.35	ppb
Molybdenum	98-1	543.10	545.30	535.09	541.17	0.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	50.42	48.86	50.44	49.91	1.81	ppb
Phosphorus	31-2	997.60	1013.52	956.25	989.12	2.99	ppb
Potassium	39-2	2557.16	2534.49	2513.23	2534.96	0.87	ppb
Rhodium	103-1				95		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				102		%
Selenium	82-1	49.12	49.09	48.88	49.03	0.27	ppb
Selenium	77-2	49.47	49.15	57.10	51.91	8.67	ppb
Selenium	78-2	49.72	50.37	52.10	50.73	2.43	ppb
Silicon	28-1	50.47	50.42	53.01	51.30	2.88	ppb
Silver	107-1	48.95	49.09	50.48	49.51	1.71	ppb
Silver	109-1	48.99	49.24	49.75	49.33	0.78	ppb
Sodium	23-2	5247.68	5155.63	5073.71	5159.00	1.69	ppb
Strontium	86-1	479.87	489.53	488.14	485.84	1.08	ppb
Strontium	88-1	494.15	499.10	498.08	497.11	0.53	ppb
Sulfur	34-1	1295.54	1673.24	161.21	1043.33	75.43	ppb
Terbium	159-1				96		%
Terbium	159-2				102		%
Thallium	203-1	47.04	47.25	46.79	47.02	0.49	ppb
Thallium	205-1	47.20	47.42	46.37	47.00	1.18	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:10:17	DataFile Name :	007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	42.92	43.50	42.54	42.98	1.13	ppb
Tin	118-1	48.75	48.79	48.14	48.56	0.76	ppb
Titanium	47-1	531.47	528.86	540.07	533.47	1.10	ppb
Uranium	238-1	41.80	42.42	41.01	41.74	1.69	ppb
Vanadium	51-2	48.88	48.37	50.12	49.12	1.84	ppb
Yttrium	89-1				96		%
Yttrium	89-2				100		%
Zinc	66-2	509.98	492.63	499.29	500.63	1.75	ppb
Zirconium	90-1	48.00	48.87	48.32	48.40	0.91	ppb
Zirconium	91-1	48.69	49.25	48.44	48.79	0.85	ppb

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S4 Instrumnet Name : P7
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:13:06 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2349.15	2308.54	2273.09	2310.26	1.65	ppb
Antimony	121-1	122.57	119.77	117.21	119.85	2.24	ppb
Arsenic	75-2	120.93	124.45	120.32	121.90	1.83	ppb
Barium	135-1	616.96	590.33	593.91	600.40	2.41	ppb
Barium	137-1	642.93	607.37	605.41	618.57	3.41	ppb
Beryllium	9-1	123.64	122.61	120.67	122.31	1.23	ppb
Bismuth	209-1				94		%
Bismuth	209-2				100		%
Boron	10-1	127.22	126.82	129.50	127.84	1.13	ppb
Boron	11-1	122.86	122.85	121.64	122.45	0.57	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	124.83	121.29	121.96	122.69	1.53	ppb
Cadmium	106-1	129.03	121.51	124.65	125.06	3.02	ppb
Cadmium	108-1	128.09	124.41	126.35	126.29	1.46	ppb
Calcium	43-1	13494.79	13033.41	13048.47	13192.22	1.99	ppb
Calcium	44-1	13366.81	12912.01	12892.45	13057.09	2.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124.64	119.81	122.96	122.47	2.01	ppb
Cobalt	59-2	124.15	119.86	123.54	122.52	1.90	ppb
Copper	63-2	1258.37	1243.51	1250.62	1250.83	0.59	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				102		%
Indium	115-1				93		%
Indium	115-2				100		%
Iron	56-2	6444.00	6090.69	6313.83	6282.84	2.84	ppb
Iron	57-2	6413.07	6093.72	6334.58	6280.46	2.65	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:13:06	DataFile Name :	008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	6543.40	6461.97	6528.95	6511.44	0.67	ppb
Krypton	83-1						cps
Lead	206-1	651.41	617.63	610.60	626.55	3.48	ppb
Lead	207-1	644.59	622.65	610.59	625.94	2.75	ppb
Lead	208-1	650.49	620.90	612.15	627.85	3.20	ppb
Lithium	6-1				93		%
Magnesium	24-2	12436.43	12606.42	12390.57	12477.80	0.91	ppb
Manganese	55-2	1273.44	1228.82	1241.80	1248.02	1.84	ppb
Molybdenum	94-1	1421.43	1350.01	1349.19	1373.55	3.02	ppb
Molybdenum	95-1	1425.55	1359.33	1353.49	1379.46	2.90	ppb
Molybdenum	96-1	1426.96	1330.46	1332.61	1363.34	4.04	ppb
Molybdenum	97-1	1414.34	1340.71	1333.64	1362.90	3.28	ppb
Molybdenum	98-1	1449.12	1360.07	1332.41	1380.54	4.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	122.19	120.40	120.93	121.17	0.76	ppb
Phosphorus	31-2	2518.91	2455.14	2501.36	2491.80	1.32	ppb
Potassium	39-2	6286.57	6264.36	6274.38	6275.10	0.18	ppb
Rhodium	103-1				92		%
Rhodium	103-2				99		%
Scandium	45-1				97		%
Scandium	45-2				103		%
Selenium	82-1	128.80	122.54	123.51	124.95	2.70	ppb
Selenium	77-2	126.40	128.84	133.27	129.50	2.69	ppb
Selenium	78-2	125.02	129.73	126.16	126.97	1.93	ppb
Silicon	28-1	152.82	149.98	146.48	149.76	2.12	ppb
Silver	107-1	124.84	121.35	122.71	122.97	1.43	ppb
Silver	109-1	124.56	120.67	121.51	122.25	1.67	ppb
Sodium	23-2	12646.49	12639.74	12545.36	12610.53	0.45	ppb
Strontium	86-1	1312.19	1231.63	1258.82	1267.55	3.23	ppb
Strontium	88-1	1302.63	1232.12	1245.94	1260.23	2.96	ppb
Sulfur	34-1	1666.12	-2926.46	-3772.89	-1677.74		ppb
Terbium	159-1				96		%
Terbium	159-2				100		%
Thallium	203-1	124.24	117.75	115.01	119.00	3.98	ppb
Thallium	205-1	131.77	123.08	122.68	125.84	4.08	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:13:06	DataFile Name :	008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	128.23	123.81	121.91	124.65	2.60	ppb
Tin	118-1	123.29	120.84	118.01	120.71	2.19	ppb
Titanium	47-1	1408.58	1355.13	1376.03	1379.91	1.95	ppb
Uranium	238-1	128.01	122.97	122.57	124.51	2.43	ppb
Vanadium	51-2	121.75	118.13	122.17	120.68	1.84	ppb
Yttrium	89-1				95		%
Yttrium	89-2				101		%
Zinc	66-2	1258.43	1269.02	1265.65	1264.37	0.43	ppb
Zirconium	90-1	128.84	123.04	125.12	125.67	2.34	ppb
Zirconium	91-1	126.46	119.86	121.21	122.51	2.85	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:15:54	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4822.74	4749.67	4729.34	4767.25	1.03	ppb
Antimony	121-1	274.91	256.60	247.73	259.75	5.34	ppb
Arsenic	75-2	242.84	243.33	244.67	243.61	0.39	ppb
Barium	135-1	1364.06	1287.59	1271.46	1307.70	3.78	ppb
Barium	137-1	1408.09	1281.41	1274.46	1321.32	5.69	ppb
Beryllium	9-1	270.73	242.49	243.24	252.15	6.38	ppb
Bismuth	209-1				91		%
Bismuth	209-2				100		%
Boron	10-1	281.01	258.22	251.47	263.56	5.87	ppb
Boron	11-1	267.00	247.75	247.28	254.01	4.43	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	276.02	255.39	249.65	260.36	5.33	ppb
Cadmium	106-1	282.04	261.57	251.67	265.09	5.84	ppb
Cadmium	108-1	280.29	259.08	257.55	265.64	4.78	ppb
Calcium	43-1	30061.40	26912.30	25610.24	27527.98	8.31	ppb
Calcium	44-1	29719.54	25922.46	25323.27	26988.42	8.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	245.91	251.36	246.75	248.01	1.18	ppb
Cobalt	59-2	259.08	249.93	248.78	252.60	2.23	ppb
Copper	63-2	2502.00	2462.26	2505.93	2490.06	0.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				92		%
Holmium	165-2				102		%
Indium	115-1				89		%
Indium	115-2				99		%
Iron	56-2	12742.08	12453.78	12401.06	12532.30	1.46	ppb
Iron	57-2	12723.82	12729.81	12486.01	12646.55	1.10	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:15:54	DataFile Name :	009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	12916.84	12816.73	12688.42	12807.33	0.89	ppb
Krypton	83-1						cps
Lead	206-1	1416.59	1263.78	1230.25	1303.54	7.62	ppb
Lead	207-1	1396.11	1262.07	1228.72	1295.63	6.84	ppb
Lead	208-1	1410.78	1273.39	1232.41	1305.53	7.16	ppb
Lithium	6-1				90		%
Magnesium	24-2	24201.96	24689.09	24428.69	24439.91	1.00	ppb
Manganese	55-2	2492.60	2486.81	2488.50	2489.30	0.12	ppb
Molybdenum	94-1	3093.60	2753.82	2664.67	2837.36	7.98	ppb
Molybdenum	95-1	3070.90	2798.88	2664.51	2844.76	7.28	ppb
Molybdenum	96-1	3017.67	2783.48	2688.09	2829.75	5.99	ppb
Molybdenum	97-1	3054.76	2762.28	2647.66	2821.57	7.44	ppb
Molybdenum	98-1	3108.24	2789.94	2714.54	2870.90	7.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	242.61	242.77	238.57	241.32	0.99	ppb
Phosphorus	31-2	4984.69	4998.21	4964.86	4982.59	0.34	ppb
Potassium	39-2	12261.90	12251.13	12207.83	12240.28	0.23	ppb
Rhodium	103-1				89		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				104		%
Selenium	82-1	284.59	255.28	245.03	261.63	7.85	ppb
Selenium	77-2	250.88	259.74	254.97	255.20	1.74	ppb
Selenium	78-2	257.35	248.60	251.56	252.50	1.76	ppb
Silicon	28-1	317.74	276.92	267.74	287.46	9.26	ppb
Silver	107-1	283.39	259.55	253.46	265.47	5.96	ppb
Silver	109-1	281.57	254.34	250.75	262.22	6.43	ppb
Sodium	23-2	24961.35	25037.72	24982.62	24993.90	0.16	ppb
Strontium	86-1	2800.86	2580.14	2506.92	2629.31	5.82	ppb
Strontium	88-1	2857.86	2590.99	2469.42	2639.43	7.53	ppb
Sulfur	34-1	10501.91	-905.64	-2659.41	2312.28	309.06	ppb
Terbium	159-1				91		%
Terbium	159-2				101		%
Thallium	203-1	282.55	248.43	248.22	259.73	7.61	ppb
Thallium	205-1	284.66	250.83	246.07	260.52	8.08	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:15:54	DataFile Name :	009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	276.37	251.00	241.73	256.37	7.00	ppb
Tin	118-1	270.07	255.03	247.26	257.45	4.50	ppb
Titanium	47-1	3115.48	2831.14	2674.74	2873.79	7.78	ppb
Uranium	238-1	281.49	250.76	239.07	257.11	8.52	ppb
Vanadium	51-2	242.28	243.53	240.46	242.09	0.64	ppb
Yttrium	89-1				91		%
Yttrium	89-2				102		%
Zinc	66-2	2473.08	2484.96	2524.24	2494.09	1.07	ppb
Zirconium	90-1	280.16	254.16	244.97	259.76	7.03	ppb
Zirconium	91-1	277.34	253.49	241.81	257.55	7.03	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:18:42	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9287.02	8988.68	9523.12	9266.27	2.89	ppb
Antimony	121-1	528.50	516.96	499.80	515.09	2.80	ppb
Arsenic	75-2	474.26	461.79	499.43	478.49	4.01	ppb
Barium	135-1	2689.75	2603.92	2561.49	2618.39	2.50	ppb
Barium	137-1	2673.61	2609.34	2512.15	2598.37	3.13	ppb
Beryllium	9-1	497.04	471.86	475.34	481.42	2.83	ppb
Bismuth	209-1				90		%
Bismuth	209-2				99		%
Boron	10-1	517.42	485.50	492.75	498.56	3.36	ppb
Boron	11-1	498.61	479.11	488.44	488.72	2.00	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	525.99	520.36	501.50	515.95	2.49	ppb
Cadmium	106-1	536.57	514.75	507.77	519.70	2.89	ppb
Cadmium	108-1	526.85	528.18	521.52	525.52	0.67	ppb
Calcium	43-1	56031.11	53017.53	52534.83	53861.16	3.52	ppb
Calcium	44-1	54811.36	51692.73	51273.81	52592.63	3.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	497.14	489.68	517.26	501.36	2.85	ppb
Cobalt	59-2	488.78	472.82	511.56	491.06	3.96	ppb
Copper	63-2	4918.60	4823.50	5154.59	4965.56	3.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				103		%
Indium	115-1				89		%
Indium	115-2				101		%
Iron	56-2	24652.55	24244.82	25840.64	24912.67	3.33	ppb
Iron	57-2	25256.81	24110.60	25823.67	25063.70	3.48	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:18:42	DataFile Name :	010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	25190.24	24323.57	26142.50	25218.77	3.61	ppb
Krypton	83-1						cps
Lead	206-1	2663.72	2544.50	2535.64	2581.29	2.77	ppb
Lead	207-1	2662.62	2571.02	2533.85	2589.16	2.56	ppb
Lead	208-1	2678.02	2560.39	2525.97	2588.13	3.08	ppb
Lithium	6-1				93		%
Magnesium	24-2	47715.56	45765.29	49377.96	47619.60	3.80	ppb
Manganese	55-2	4904.23	4742.25	5063.94	4903.47	3.28	ppb
Molybdenum	94-1	5762.07	5551.56	5408.46	5574.03	3.19	ppb
Molybdenum	95-1	5716.85	5506.76	5391.82	5538.48	2.98	ppb
Molybdenum	96-1	5755.42	5508.68	5325.36	5529.82	3.90	ppb
Molybdenum	97-1	5731.89	5514.19	5293.78	5513.29	3.97	ppb
Molybdenum	98-1	5721.85	5599.72	5384.09	5568.55	3.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	466.48	455.01	485.24	468.91	3.26	ppb
Phosphorus	31-2	9867.34	9571.91	10125.12	9854.79	2.81	ppb
Potassium	39-2	23785.08	23397.34	24699.98	23960.80	2.79	ppb
Rhodium	103-1				90		%
Rhodium	103-2				100		%
Scandium	45-1				94		%
Scandium	45-2				105		%
Selenium	82-1	527.27	505.14	490.83	507.75	3.62	ppb
Selenium	77-2	483.86	464.91	517.25	488.67	5.42	ppb
Selenium	78-2	489.76	476.97	514.89	493.87	3.91	ppb
Silicon	28-1	558.93	535.65	519.67	538.08	3.67	ppb
Silver	107-1	532.08	531.22	515.70	526.33	1.75	ppb
Silver	109-1	527.98	529.48	512.20	523.22	1.83	ppb
Sodium	23-2	48710.39	47081.31	50068.06	48619.92	3.08	ppb
Strontium	86-1	5305.04	5001.51	4910.37	5072.31	4.07	ppb
Strontium	88-1	5322.13	5019.11	4929.51	5090.25	4.04	ppb
Sulfur	34-1	14071.39	6525.54	4089.86	8228.93	63.24	ppb
Terbium	159-1				91		%
Terbium	159-2				103		%
Thallium	203-1	530.01	515.89	512.78	519.56	1.77	ppb
Thallium	205-1	537.91	510.58	507.67	518.72	3.22	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:18:42	DataFile Name :	010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	530.69	513.26	499.16	514.37	3.07	ppb
Tin	118-1	532.63	516.00	495.05	514.56	3.66	ppb
Titanium	47-1	5919.13	5616.87	5452.89	5662.96	4.18	ppb
Uranium	238-1	522.91	508.18	505.32	512.14	1.84	ppb
Vanadium	51-2	496.38	482.51	509.95	496.28	2.76	ppb
Yttrium	89-1				94		%
Yttrium	89-2				104		%
Zinc	66-2	4918.06	4824.59	5099.55	4947.40	2.83	ppb
Zirconium	90-1	529.68	511.45	495.25	512.13	3.36	ppb
Zirconium	91-1	536.70	511.71	500.05	516.16	3.63	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:21:29	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18536.71	19002.75	18650.54	18730.00	1.30	ppb
Antimony	121-1	986.11	993.00	993.19	990.77	0.41	ppb
Arsenic	75-2	1005.48	1018.08	1014.78	1012.78	0.65	ppb
Barium	135-1	4932.50	4905.27	4951.66	4929.81	0.47	ppb
Barium	137-1	4932.19	4953.50	4916.33	4934.01	0.38	ppb
Beryllium	9-1	1036.21	975.40	1016.12	1009.25	3.07	ppb
Bismuth	209-1				94		%
Bismuth	209-2				98		%
Boron	10-1	1016.23	965.34	1009.76	997.11	2.78	ppb
Boron	11-1	1030.92	967.33	1017.19	1005.15	3.33	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	993.45	999.20	976.53	989.73	1.19	ppb
Cadmium	106-1	973.70	983.59	1001.76	986.35	1.44	ppb
Cadmium	108-1	994.45	974.90	980.07	983.14	1.03	ppb
Calcium	43-1	104816.83	104277.07	100239.65	103111.18	2.43	ppb
Calcium	44-1	104127.96	102140.69	98999.27	101755.97	2.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1003.27	1000.42	996.66	1000.11	0.33	ppb
Cobalt	59-2	1013.49	1013.65	985.14	1004.09	1.63	ppb
Copper	63-2	10061.66	10179.80	9814.31	10018.59	1.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				102		%
Indium	115-1				91		%
Indium	115-2				98		%
Iron	56-2	51842.36	50947.56	51168.14	51319.35	0.91	ppb
Iron	57-2	51488.29	51295.55	50221.03	51001.62	1.34	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:21:29	DataFile Name :	011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	51871.57	51740.30	52354.14	51988.67	0.62	ppb
Krypton	83-1						cps
Lead	206-1	5037.52	4931.03	4871.53	4946.69	1.70	ppb
Lead	207-1	5007.35	4908.04	4919.59	4944.99	1.10	ppb
Lead	208-1	5028.05	4907.72	4890.75	4942.17	1.51	ppb
Lithium	6-1				94		%
Magnesium	24-2	96291.49	98063.29	96675.25	97010.01	0.96	ppb
Manganese	55-2	10089.94	9972.86	10087.48	10050.09	0.67	ppb
Molybdenum	94-1	11118.67	10860.29	10846.93	10941.96	1.40	ppb
Molybdenum	95-1	11111.59	10804.39	10953.98	10956.65	1.40	ppb
Molybdenum	96-1	11049.33	10928.53	10924.39	10967.42	0.65	ppb
Molybdenum	97-1	11018.48	10805.88	11109.74	10978.03	1.42	ppb
Molybdenum	98-1	11018.91	10788.49	10998.34	10935.25	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1020.27	1023.35	1010.98	1018.20	0.63	ppb
Phosphorus	31-2	20101.00	20086.14	20048.44	20078.53	0.13	ppb
Potassium	39-2	49287.74	49358.66	49094.89	49247.10	0.28	ppb
Rhodium	103-1				93		%
Rhodium	103-2				97		%
Scandium	45-1				98		%
Scandium	45-2				102		%
Selenium	82-1	992.83	992.27	994.71	993.27	0.13	ppb
Selenium	77-2	995.96	988.00	1027.16	1003.71	2.06	ppb
Selenium	78-2	1001.51	987.60	1017.36	1002.16	1.49	ppb
Silicon	28-1	975.36	969.30	960.67	968.45	0.76	ppb
Silver	107-1	995.49	968.82	985.42	983.24	1.37	ppb
Silver	109-1	993.19	985.08	978.86	985.71	0.73	ppb
Sodium	23-2	99072.74	100083.67	97617.01	98924.47	1.25	ppb
Strontium	86-1	9968.07	9739.34	10082.70	9930.03	1.76	ppb
Strontium	88-1	9865.37	9830.79	10060.50	9918.88	1.25	ppb
Sulfur	34-1	23948.70	21671.16	20612.69	22077.52	7.72	ppb
Terbium	159-1				96		%
Terbium	159-2				102		%
Thallium	203-1	1003.90	986.07	976.09	988.69	1.42	ppb
Thallium	205-1	1021.75	977.98	964.44	988.06	3.03	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:21:29	DataFile Name :	011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	1000.99	1002.62	971.25	991.62	1.78	ppb
Tin	118-1	995.76	992.84	985.80	991.47	0.52	ppb
Titanium	47-1	11192.54	10699.21	10771.61	10887.78	2.45	ppb
Uranium	238-1	1014.32	995.87	967.70	992.63	2.37	ppb
Vanadium	51-2	1008.12	1005.72	999.43	1004.42	0.45	ppb
Yttrium	89-1				96		%
Yttrium	89-2				101		%
Zinc	66-2	10068.97	10156.85	9852.03	10025.95	1.56	ppb
Zirconium	90-1	1002.99	983.39	988.09	991.49	1.03	ppb
Zirconium	91-1	1000.63	979.71	990.88	990.41	1.06	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:24:17	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100530.85	99711.88	100790.06	100344.26	0.56	ppb
Antimony	121-1	0.86	0.77	0.89	0.84	7.55	ppb
Arsenic	75-2	0.46	0.46	0.46	0.46	0.52	ppb
Barium	135-1	1.58	1.59	1.56	1.58	0.86	ppb
Barium	137-1	1.59	1.57	1.58	1.58	0.72	ppb
Beryllium	9-1	0.29	0.27	0.23	0.26	11.48	ppb
Bismuth	209-1				91		%
Bismuth	209-2				99		%
Boron	10-1	12.47	11.79	9.94	11.40	11.47	ppb
Boron	11-1	11.81	10.55	10.24	10.87	7.67	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	0.43	0.47	0.47	0.46	4.95	ppb
Cadmium	106-1	3.11	3.19	3.57	3.29	7.43	ppb
Cadmium	108-1	1.62	1.22	1.27	1.37	16.03	ppb
Calcium	43-1	503293.66	492114.05	501125.88	498844.53	1.19	ppb
Calcium	44-1	504592.24	499589.86	493639.55	499273.88	1.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.58	1.59	1.65	1.61	2.38	ppb
Cobalt	59-2	1.67	1.69	1.71	1.69	1.14	ppb
Copper	63-2	-14.00	-14.06	-14.34	-14.13		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				104		%
Indium	115-1				92		%
Indium	115-2				100		%
Iron	56-2	251969.97	246629.94	250624.32	249741.41	1.11	ppb
Iron	57-2	249348.52	248047.92	251956.61	249784.35	0.80	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:24:17	DataFile Name :	012CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	251885.46	247496.64	249287.99	249556.70	0.88	ppb
Krypton	83-1						cps
Lead	206-1	3.41	3.60	3.40	3.47	3.27	ppb
Lead	207-1	3.40	3.50	3.34	3.41	2.46	ppb
Lead	208-1	3.42	3.49	3.34	3.42	2.23	ppb
Lithium	6-1				99		%
Magnesium	24-2	500307.69	496848.03	505434.62	500863.45	0.86	ppb
Manganese	55-2	5.87	5.75	5.85	5.82	1.07	ppb
Molybdenum	94-1	2.80	2.59	2.37	2.59	8.23	ppb
Molybdenum	95-1	1.95	1.77	1.67	1.80	8.11	ppb
Molybdenum	96-1	1.99	1.91	1.79	1.90	5.41	ppb
Molybdenum	97-1	1.87	1.60	1.67	1.71	8.40	ppb
Molybdenum	98-1	1.98	1.81	1.68	1.82	8.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.60	1.53	1.66	1.59	4.06	ppb
Phosphorus	31-2	-12.14	-10.47	-12.96	-11.86		ppb
Potassium	39-2	250742.37	248070.65	251986.65	250266.56	0.80	ppb
Rhodium	103-1				92		%
Rhodium	103-2				97		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	0.22	0.01	0.36	0.20	90.69	ppb
Selenium	77-2	0.18	0.27	0.18	0.21	25.90	ppb
Selenium	78-2	0.32	0.33	0.38	0.34	9.95	ppb
Silicon	28-1	19.95	20.54	18.40	19.63	5.63	ppb
Silver	107-1	0.30	0.30	0.31	0.30	2.08	ppb
Silver	109-1	0.30	0.27	0.30	0.29	6.64	ppb
Sodium	23-2	505389.58	499310.64	496347.07	500349.10	0.92	ppb
Strontium	86-1	6.42	6.16	6.21	6.26	2.21	ppb
Strontium	88-1	6.46	6.39	6.18	6.34	2.29	ppb
Sulfur	34-1	-9794.57	-9012.69	-11766.76	-10191.34		ppb
Terbium	159-1				96		%
Terbium	159-2				103		%
Thallium	203-1	0.28	0.23	0.19	0.23	18.61	ppb
Thallium	205-1	0.26	0.22	0.20	0.23	13.27	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:24:17	DataFile Name :	012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.12	0.11	0.11	0.12	4.38	ppb
Tin	118-1	0.30	0.28	0.27	0.28	5.13	ppb
Titanium	47-1	1.67	1.70	1.80	1.72	3.90	ppb
Uranium	238-1	0.03	0.03	0.02	0.02	34.06	ppb
Vanadium	51-2	0.17	0.18	0.19	0.18	4.52	ppb
Yttrium	89-1				97		%
Yttrium	89-2				103		%
Zinc	66-2	14.84	14.65	15.07	14.86	1.40	ppb
Zirconium	90-1	0.45	0.43	0.44	0.44	2.47	ppb
Zirconium	91-1	0.47	0.51	0.52	0.50	5.18	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICV06	Instrumnet Name :	P7
Client Sample ID :	ICV06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:43:23	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	484.00	480.62	492.10	485.58	1.21	ppb
Antimony	121-1	204.02	194.95	197.85	198.94	2.33	ppb
Arsenic	75-2	199.40	203.24	206.94	203.19	1.86	ppb
Barium	135-1	100.93	96.46	98.31	98.57	2.28	ppb
Barium	137-1	101.32	98.99	99.58	99.96	1.21	ppb
Beryllium	9-1	92.22	95.12	93.29	93.54	1.57	ppb
Bismuth	209-1				98		%
Bismuth	209-2				102		%
Boron	10-1	469.31	481.90	470.85	474.02	1.45	ppb
Boron	11-1	455.63	471.90	465.20	464.24	1.76	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	106.67	104.60	105.86	105.71	0.99	ppb
Cadmium	106-1	185.35	174.49	186.45	182.10	3.63	ppb
Cadmium	108-1	157.15	156.33	156.17	156.55	0.34	ppb
Calcium	43-1	2230.87	2072.07	2114.14	2139.03	3.85	ppb
Calcium	44-1	2170.34	2098.18	2138.43	2135.65	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.75	102.26	108.10	104.04	3.39	ppb
Cobalt	59-2	102.73	103.43	107.41	104.52	2.41	ppb
Copper	63-2	99.62	99.34	103.29	100.75	2.19	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				103		%
Iron	56-2	2023.73	2056.69	2123.67	2068.03	2.46	ppb
Iron	57-2	2012.78	2011.28	2117.71	2047.26	2.98	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICV06	Instrumnet Name :	P7
Client Sample ID :	ICV06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:43:23	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	2088.29	2136.59	2228.39	2151.09	3.31	ppb
Krypton	83-1						cps
Lead	206-1	201.34	199.70	199.50	200.18	0.50	ppb
Lead	207-1	186.46	187.41	186.56	186.81	0.28	ppb
Lead	208-1	201.69	204.45	201.96	202.70	0.75	ppb
Lithium	6-1				102		%
Magnesium	24-2	1129.06	1116.44	1177.54	1141.01	2.83	ppb
Manganese	55-2	100.38	100.45	105.53	102.12	2.89	ppb
Molybdenum	94-1	2840.82	2857.34	2792.73	2830.30	1.19	ppb
Molybdenum	95-1	2367.38	2377.11	2401.36	2381.95	0.73	ppb
Molybdenum	96-1	2418.11	2390.19	2415.77	2408.02	0.64	ppb
Molybdenum	97-1	2420.95	2407.12	2345.50	2391.19	1.68	ppb
Molybdenum	98-1	2422.81	2403.36	2398.88	2408.35	0.53	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	101.56	102.12	107.56	103.74	3.19	ppb
Phosphorus	31-2	-7.80	-13.44	-10.84	-10.69		ppb
Potassium	39-2	2066.93	2084.45	2195.97	2115.78	3.31	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	82-1	202.83	198.62	200.95	200.80	1.05	ppb
Selenium	77-2	213.70	212.86	220.35	215.64	1.90	ppb
Selenium	78-2	206.61	214.40	214.47	211.82	2.13	ppb
Silicon	28-1	469.57	452.39	459.43	460.46	1.88	ppb
Silver	107-1	49.57	49.63	50.24	49.81	0.75	ppb
Silver	109-1	50.19	48.74	48.22	49.05	2.08	ppb
Sodium	23-2	2188.62	2109.12	2252.53	2183.42	3.29	ppb
Strontium	86-1	448.79	439.88	444.95	444.54	1.01	ppb
Strontium	88-1	464.28	466.99	462.19	464.49	0.52	ppb
Sulfur	34-1	-4087.33	-9149.02	-10523.24	-7919.86		ppb
Terbium	159-1				98		%
Terbium	159-2				104		%
Thallium	203-1	201.05	201.82	212.36	205.08	3.08	ppb
Thallium	205-1	215.90	213.64	212.41	213.98	0.83	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICV06	Instrumnet Name :	P7
Client Sample ID :	ICV06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:43:23	DataFile Name :	013ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.02	0.02	0.02	0.02	8.95	ppb
Tin	118-1	506.25	486.47	491.83	494.85	2.07	ppb
Titanium	47-1	2443.30	2365.58	2390.71	2399.86	1.65	ppb
Uranium	238-1	493.44	493.00	478.85	488.43	1.70	ppb
Vanadium	51-2	98.30	97.18	102.30	99.26	2.71	ppb
Yttrium	89-1				100		%
Yttrium	89-2				103		%
Zinc	66-2	199.43	198.72	206.08	201.41	2.02	ppb
Zirconium	90-1	465.83	456.08	454.59	458.83	1.33	ppb
Zirconium	91-1	452.32	453.45	468.10	457.96	1.92	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	LLICV1	Instrumnet Name :	P7
Client Sample ID :	LLICV1	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:59:34	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.97	17.46	18.00	17.81	1.71	ppb
Antimony	121-1	1.82	1.77	1.86	1.82	2.54	ppb
Arsenic	75-2	0.94	0.91	0.92	0.93	1.36	ppb
Barium	135-1	9.18	8.80	9.20	9.06	2.46	ppb
Barium	137-1	9.16	9.54	8.91	9.20	3.43	ppb
Beryllium	9-1	0.97	0.97	0.96	0.97	0.15	ppb
Bismuth	209-1				97		%
Bismuth	209-2				101		%
Boron	10-1	22.53	23.72	24.57	23.61	4.33	ppb
Boron	11-1	21.58	23.02	24.13	22.91	5.59	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	0.95	0.97	0.87	0.93	5.28	ppb
Cadmium	106-1	0.86	0.71	-0.55	0.34	228.21	ppb
Cadmium	108-1	1.12	0.97	0.80	0.96	16.94	ppb
Calcium	43-1	522.77	491.81	447.44	487.34	7.77	ppb
Calcium	44-1	515.27	487.01	490.98	497.75	3.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.85	1.76	1.80	1.80	2.41	ppb
Cobalt	59-2	0.97	1.01	0.97	0.98	2.32	ppb
Copper	63-2	2.24	2.19	2.26	2.23	1.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				105		%
Indium	115-1				98		%
Indium	115-2				107		%
Iron	56-2	47.94	47.43	48.35	47.91	0.96	ppb
Iron	57-2	49.51	48.54	50.81	49.62	2.29	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	LLICV1	Instrumnet Name :	P7
Client Sample ID :	LLICV1	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:59:34	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	51.09	49.52	47.81	49.48	3.32	ppb
Krypton	83-1						cps
Lead	206-1	0.92	0.93	0.95	0.94	1.46	ppb
Lead	207-1	0.89	0.92	0.90	0.90	1.64	ppb
Lead	208-1	0.93	0.94	0.95	0.94	0.99	ppb
Lithium	6-1				102		%
Magnesium	24-2	464.87	455.77	456.63	459.09	1.09	ppb
Manganese	55-2	0.98	0.99	0.96	0.98	1.58	ppb
Molybdenum	94-1	5.47	5.38	5.22	5.36	2.34	ppb
Molybdenum	95-1	4.63	4.49	4.60	4.57	1.51	ppb
Molybdenum	96-1	4.63	4.80	4.55	4.66	2.72	ppb
Molybdenum	97-1	4.72	4.61	4.71	4.68	1.29	ppb
Molybdenum	98-1	4.56	4.61	4.86	4.68	3.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.88	0.97	1.01	0.95	7.07	ppb
Phosphorus	31-2	7.43	1.46	9.18	6.02	67.26	ppb
Potassium	39-2	503.90	496.86	505.94	502.23	0.95	ppb
Rhodium	103-1				99		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				108		%
Selenium	82-1	4.52	4.62	4.60	4.58	1.12	ppb
Selenium	77-2	5.49	4.93	4.72	5.05	7.85	ppb
Selenium	78-2	4.83	4.76	5.05	4.88	3.14	ppb
Silicon	28-1	13.74	10.36	8.91	11.00	22.52	ppb
Silver	107-1	0.95	0.95	0.95	0.95	0.19	ppb
Silver	109-1	0.93	0.94	0.92	0.93	1.40	ppb
Sodium	23-2	528.81	524.05	533.33	528.73	0.88	ppb
Strontium	86-1	0.88	0.87	0.93	0.89	3.70	ppb
Strontium	88-1	0.96	0.91	0.95	0.94	3.20	ppb
Sulfur	34-1	2053.72	135.95	-1208.41	327.09	501.23	ppb
Terbium	159-1				97		%
Terbium	159-2				104		%
Thallium	203-1	0.84	0.85	0.81	0.83	2.05	ppb
Thallium	205-1	0.82	0.89	0.85	0.85	3.92	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	LLICV1	Instrumnet Name :	P7
Client Sample ID :	LLICV1	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:59:34	DataFile Name :	014LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.76	0.76	0.78	0.76	1.46	ppb
Tin	118-1	4.64	4.58	4.75	4.66	1.85	ppb
Titanium	47-1	5.18	4.74	4.71	4.88	5.39	ppb
Uranium	238-1	0.85	0.82	0.81	0.83	2.39	ppb
Vanadium	51-2	4.52	4.57	4.57	4.55	0.59	ppb
Yttrium	89-1				101		%
Yttrium	89-2				106		%
Zinc	66-2	2.13	1.84	1.96	1.98	7.32	ppb
Zirconium	90-1	0.87	0.93	0.89	0.90	3.33	ppb
Zirconium	91-1	0.97	0.86	0.82	0.88	8.88	ppb

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : ICB06 Instrumnet Name : P7
 Client Sample ID : ICB06 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:18:41 DataFile Name : 017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.12	-0.02	-0.12	-0.01		ppb
Antimony	121-1	0.00	0.00	0.00	0.00	2.63	ppb
Arsenic	75-2	-0.02	-0.01	0.00	-0.01		ppb
Barium	135-1	0.01	-0.01	-0.02	-0.01		ppb
Barium	137-1	0.00	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.00	-0.01	0.01	0.00		ppb
Bismuth	209-1				96		%
Bismuth	209-2				101		%
Boron	10-1	0.09	0.29	0.44	0.27	65.12	ppb
Boron	11-1	0.42	0.27	0.42	0.37	24.13	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	-0.12	-0.04	-0.19	-0.12		ppb
Cadmium	106-1	-1.76	-0.57	-2.42	-1.59		ppb
Cadmium	108-1	-0.17	-0.02	0.07	-0.04		ppb
Calcium	43-1	6.37	6.37	14.66	9.13	52.41	ppb
Calcium	44-1	33.20	26.02	32.69	30.64	13.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	-0.02	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.05	0.02	0.02	0.00		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				107		%
Iron	56-2	0.29	0.17	0.18	0.21	31.76	ppb
Iron	57-2	0.32	0.43	0.38	0.38	15.41	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICB06	Instrumnet Name :	P7
Client Sample ID :	ICB06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:18:41	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	1.18	2.79	0.31	1.43	88.43	ppb
Krypton	83-1						cps
Lead	206-1	0.06	0.05	0.05	0.05	12.90	ppb
Lead	207-1	0.05	0.06	0.04	0.05	23.54	ppb
Lead	208-1	0.06	0.06	0.05	0.05	10.88	ppb
Lithium	6-1				96		%
Magnesium	24-2	0.80	0.74	0.66	0.73	9.49	ppb
Manganese	55-2	0.01	-0.01	0.00	0.00		ppb
Molybdenum	94-1	0.03	0.01	0.04	0.02	69.40	ppb
Molybdenum	95-1	0.02	0.02	0.02	0.02	12.35	ppb
Molybdenum	96-1	0.02	-0.01	0.00	0.00		ppb
Molybdenum	97-1	0.05	0.03	0.00	0.03	85.27	ppb
Molybdenum	98-1	0.04	0.02	0.02	0.03	40.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.03	-0.01	-0.02		ppb
Phosphorus	31-2	-22.51	-17.48	-13.40	-17.80		ppb
Potassium	39-2	-3.02	-3.02	-3.42	-3.15		ppb
Rhodium	103-1				99		%
Rhodium	103-2				105		%
Scandium	45-1				98		%
Scandium	45-2				107		%
Selenium	82-1	0.12	0.16	0.06	0.11	45.52	ppb
Selenium	77-2	-0.09	0.08	-0.09	-0.04		ppb
Selenium	78-2	0.38	0.17	0.16	0.24	52.46	ppb
Silicon	28-1	0.72	-0.29	1.21	0.54	140.66	ppb
Silver	107-1	0.00	0.01	0.00	0.00	426.58	ppb
Silver	109-1	0.00	0.01	0.00	0.00	113.82	ppb
Sodium	23-2	34.86	36.78	35.99	35.88	2.69	ppb
Strontium	86-1	-0.02	0.02	0.04	0.01	318.37	ppb
Strontium	88-1	0.01	0.00	0.01	0.01	47.61	ppb
Sulfur	34-1	-10498.29	-11105.61	-9978.68	-10527.53		ppb
Terbium	159-1				97		%
Terbium	159-2				103		%
Thallium	203-1	-0.03	-0.02	-0.02	-0.03		ppb
Thallium	205-1	0.01	0.00	-0.01	0.00		ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICB06	Instrumnet Name :	P7
Client Sample ID :	ICB06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:18:41	DataFile Name :	017CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.01	0.00	0.01	0.01	144.54	ppb
Titanium	47-1	0.06	0.09	0.05	0.07	26.43	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	960.22	ppb
Yttrium	89-1				98		%
Yttrium	89-2				106		%
Zinc	66-2	0.01	0.01	0.00	0.01	58.53	ppb
Zirconium	90-1	0.00	-0.02	0.00	-0.01		ppb
Zirconium	91-1	0.01	0.00	0.01	0.01	31.61	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSA06	Instrumnet Name :	P7
Client Sample ID :	ICSA06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:24:52	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	87109.29	87736.72	86504.25	87116.75	0.71	ppb
Antimony	121-1	1.23	1.01	1.05	1.10	10.51	ppb
Arsenic	75-2	0.40	0.32	0.36	0.36	10.65	ppb
Barium	135-1	1.42	1.38	1.39	1.40	1.59	ppb
Barium	137-1	1.51	1.31	1.44	1.42	7.32	ppb
Beryllium	9-1	0.28	0.26	0.28	0.28	5.08	ppb
Bismuth	209-1				84		%
Bismuth	209-2				92		%
Boron	10-1	1.02	1.20	0.83	1.02	18.04	ppb
Boron	11-1	1.22	0.94	0.97	1.04	14.65	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	0.58	0.57	0.61	0.59	4.29	ppb
Cadmium	106-1	-1.20	-0.78	-0.03	-0.67		ppb
Cadmium	108-1	18.59	16.89	16.34	17.27	6.80	ppb
Calcium	43-1	113548.80	95444.82	94808.95	101267.52	10.51	ppb
Calcium	44-1	113452.43	97480.81	96123.53	102352.26	9.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.37	19.70	19.55	19.54	0.84	ppb
Cobalt	59-2	1.20	1.22	1.24	1.22	1.52	ppb
Copper	63-2	8.19	8.50	8.59	8.43	2.51	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				89		%
Holmium	165-2				99		%
Indium	115-1				85		%
Indium	115-2				95		%
Iron	56-2	98457.92	100054.12	98826.67	99112.90	0.84	ppb
Iron	57-2	99429.32	99413.73	99040.22	99294.42	0.22	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSA06	Instrumnet Name :	P7
Client Sample ID :	ICSA06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:24:52	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	98625.73	98730.98	99019.41	98792.04	0.21	ppb
Krypton	83-1						cps
Lead	206-1	4.78	4.28	4.31	4.46	6.25	ppb
Lead	207-1	4.30	3.75	3.81	3.96	7.62	ppb
Lead	208-1	4.52	4.00	3.96	4.16	7.52	ppb
Lithium	6-1				79		%
Magnesium	24-2	93077.70	91469.77	91134.83	91894.10	1.13	ppb
Manganese	55-2	7.44	7.31	7.45	7.40	1.04	ppb
Molybdenum	94-1	1873.34	1624.62	1603.79	1700.58	8.82	ppb
Molybdenum	95-1	2230.72	1971.43	1912.04	2038.06	8.32	ppb
Molybdenum	96-1	2185.53	1882.36	1871.49	1979.79	9.00	ppb
Molybdenum	97-1	2236.65	1945.96	1875.19	2019.27	9.49	ppb
Molybdenum	98-1	2274.45	1981.81	1922.11	2059.46	9.16	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.98	5.29	5.15	5.14	3.01	ppb
Phosphorus	31-2	96739.92	97757.07	96618.97	97038.65	0.64	ppb
Potassium	39-2	93317.99	93414.34	93380.80	93371.05	0.05	ppb
Rhodium	103-1				86		%
Rhodium	103-2				96		%
Scandium	45-1				88		%
Scandium	45-2				100		%
Selenium	82-1	0.77	-0.38	-0.18	0.07	880.19	ppb
Selenium	77-2	0.58	2.07	0.76	1.14	71.77	ppb
Selenium	78-2	0.34	0.26	0.19	0.27	28.90	ppb
Silicon	28-1	157.92	129.47	72.68	120.02	36.16	ppb
Silver	107-1	0.05	0.06	0.10	0.07	37.97	ppb
Silver	109-1	0.04	0.06	0.09	0.06	35.64	ppb
Sodium	23-2	97553.13	98452.31	98512.41	98172.62	0.55	ppb
Strontium	86-1	37.94	32.30	31.42	33.89	10.45	ppb
Strontium	88-1	37.26	32.43	31.82	33.84	8.81	ppb
Sulfur	34-1	202985.50	166644.23	158877.69	176169.14	13.37	ppb
Terbium	159-1				88		%
Terbium	159-2				98		%
Thallium	203-1	0.01	0.00	-0.02	0.00		ppb
Thallium	205-1	0.02	0.00	0.00	0.01	187.58	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSA06	Instrumnet Name :	P7
Client Sample ID :	ICSA06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:24:52	DataFile Name :	018ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.14	0.13	0.18	0.15	16.89	ppb
Titanium	47-1	2497.70	2089.23	2084.12	2223.68	10.67	ppb
Uranium	238-1	-0.12	-0.11	-0.11	-0.11		ppb
Vanadium	51-2	0.20	0.19	0.21	0.20	3.62	ppb
Yttrium	89-1				87		%
Yttrium	89-2				99		%
Zinc	66-2	10.75	10.95	11.44	11.05	3.22	ppb
Zirconium	90-1	0.00	0.00	0.01	0.01	80.96	ppb
Zirconium	91-1	0.01	0.03	0.01	0.02	75.63	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSAB06	Instrumnet Name :	P7
Client Sample ID :	ICSAB06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:31:30	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	85479.72	86613.58	87131.29	86408.20	0.98	ppb
Antimony	121-1	20.22	19.77	20.48	20.16	1.79	ppb
Arsenic	75-2	19.47	19.80	19.80	19.69	0.97	ppb
Barium	135-1	20.54	19.96	20.36	20.29	1.46	ppb
Barium	137-1	20.43	19.58	21.20	20.40	3.98	ppb
Beryllium	9-1	19.70	20.96	19.68	20.11	3.63	ppb
Bismuth	209-1				88		%
Bismuth	209-2				92		%
Boron	10-1	54.43	57.76	53.84	55.34	3.82	ppb
Boron	11-1	53.05	54.88	53.84	53.93	1.70	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	19.85	19.40	20.43	19.89	2.61	ppb
Cadmium	106-1	25.07	23.70	24.43	24.40	2.80	ppb
Cadmium	108-1	37.36	35.69	36.66	36.57	2.29	ppb
Calcium	43-1	97924.91	98680.28	95291.52	97298.90	1.83	ppb
Calcium	44-1	99565.74	98634.51	97193.34	98464.53	1.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	38.29	38.77	38.72	38.59	0.69	ppb
Cobalt	59-2	20.64	20.98	21.03	20.88	1.04	ppb
Copper	63-2	28.42	28.76	28.56	28.58	0.61	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				93		%
Holmium	165-2				99		%
Indium	115-1				90		%
Indium	115-2				94		%
Iron	56-2	96550.79	99624.84	98815.57	98330.40	1.62	ppb
Iron	57-2	98543.26	100618.58	99016.82	99392.89	1.09	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSAB06	Instrumnet Name :	P7
Client Sample ID :	ICSAB06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:31:30	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	96260.96	99494.19	97877.18	97877.45	1.65	ppb
Krypton	83-1						cps
Lead	206-1	23.97	23.29	22.91	23.39	2.28	ppb
Lead	207-1	22.07	21.65	21.86	21.86	0.97	ppb
Lead	208-1	22.71	22.07	22.08	22.29	1.66	ppb
Lithium	6-1				81		%
Magnesium	24-2	90434.55	90288.33	91817.82	90846.90	0.93	ppb
Manganese	55-2	25.49	26.05	26.34	25.96	1.66	ppb
Molybdenum	94-1	1755.88	1774.73	1739.15	1756.59	1.01	ppb
Molybdenum	95-1	1993.50	2015.68	1981.21	1996.79	0.87	ppb
Molybdenum	96-1	1942.44	1948.81	1889.14	1926.80	1.70	ppb
Molybdenum	97-1	2014.74	2004.20	1921.70	1980.22	2.57	ppb
Molybdenum	98-1	2007.84	1990.74	1945.38	1981.32	1.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.55	25.17	24.78	24.83	1.26	ppb
Phosphorus	31-2	95949.80	96628.10	97140.27	96572.72	0.62	ppb
Potassium	39-2	91738.33	93055.48	93490.85	92761.56	0.98	ppb
Rhodium	103-1				89		%
Rhodium	103-2				96		%
Scandium	45-1				91		%
Scandium	45-2				99		%
Selenium	82-1	19.07	20.15	18.76	19.33	3.77	ppb
Selenium	77-2	18.19	19.09	21.00	19.43	7.38	ppb
Selenium	78-2	19.02	20.11	19.83	19.65	2.87	ppb
Silicon	28-1	168.01	169.26	168.59	168.62	0.37	ppb
Silver	107-1	18.55	17.84	18.43	18.27	2.06	ppb
Silver	109-1	18.36	17.54	18.88	18.26	3.70	ppb
Sodium	23-2	97411.90	96653.08	97570.21	97211.73	0.50	ppb
Strontium	86-1	79.94	78.91	78.33	79.06	1.03	ppb
Strontium	88-1	85.43	81.60	81.55	82.86	2.69	ppb
Sulfur	34-1	165641.65	162832.59	159343.45	162605.89	1.94	ppb
Terbium	159-1				92		%
Terbium	159-2				99		%
Thallium	203-1	19.47	18.98	18.86	19.10	1.71	ppb
Thallium	205-1	19.69	18.75	18.82	19.09	2.77	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSAB06	Instrumnet Name :	P7
Client Sample ID :	ICSAB06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:31:30	DataFile Name :	019ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.00	0.00	0.00	0.00	1301.45	ppb
Tin	118-1	49.37	48.10	49.49	48.98	1.57	ppb
Titanium	47-1	2165.62	2109.98	2155.05	2143.55	1.38	ppb
Uranium	238-1	46.61	46.76	46.82	46.73	0.24	ppb
Vanadium	51-2	19.30	18.94	19.48	19.24	1.43	ppb
Yttrium	89-1				91		%
Yttrium	89-2				99		%
Zinc	66-2	30.47	31.03	30.87	30.79	0.94	ppb
Zirconium	90-1	47.07	46.32	46.19	46.53	1.01	ppb
Zirconium	91-1	47.45	47.39	46.15	47.00	1.56	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV22	Instrumnet Name :	P7
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:34:23	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47978.17	48618.43	47962.78	48186.46	0.78	ppb
Antimony	121-1	499.93	483.99	494.25	492.72	1.64	ppb
Arsenic	75-2	500.38	497.30	491.37	496.35	0.92	ppb
Barium	135-1	2468.34	2383.99	2404.47	2418.93	1.82	ppb
Barium	137-1	2484.35	2432.48	2480.66	2465.83	1.17	ppb
Beryllium	9-1	494.39	472.92	484.80	484.04	2.22	ppb
Bismuth	209-1				93		%
Bismuth	209-2				97		%
Boron	10-1	510.17	503.72	508.02	507.30	0.65	ppb
Boron	11-1	498.14	486.21	492.91	492.42	1.22	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	481.94	466.69	487.61	478.75	2.26	ppb
Cadmium	106-1	491.83	483.19	496.42	490.48	1.37	ppb
Cadmium	108-1	485.18	472.15	493.02	483.45	2.18	ppb
Calcium	43-1	250994.84	247382.66	244402.67	247593.39	1.33	ppb
Calcium	44-1	250071.13	247438.41	244978.91	247496.15	1.03	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	501.74	513.18	507.24	507.38	1.13	ppb
Cobalt	59-2	488.62	506.89	501.39	498.96	1.88	ppb
Copper	63-2	5152.90	5267.05	5179.80	5199.92	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				104		%
Indium	115-1				92		%
Indium	115-2				98		%
Iron	56-2	124116.36	125259.10	123958.56	124444.67	0.57	ppb
Iron	57-2	123214.87	124570.31	126463.12	124749.43	1.31	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV22	Instrumnet Name :	P7
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:34:23	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	125023.01	127805.00	125791.79	126206.60	1.14	ppb
Krypton	83-1						cps
Lead	206-1	2522.48	2500.13	2509.21	2510.61	0.45	ppb
Lead	207-1	2501.14	2473.94	2527.31	2500.80	1.07	ppb
Lead	208-1	2518.32	2488.49	2523.55	2510.12	0.75	ppb
Lithium	6-1				88		%
Magnesium	24-2	242796.67	251942.10	244949.84	246562.87	1.94	ppb
Manganese	55-2	5055.70	5112.46	5052.19	5073.45	0.67	ppb
Molybdenum	94-1	5392.96	5369.05	5342.78	5368.27	0.47	ppb
Molybdenum	95-1	5322.26	5406.33	5500.78	5409.79	1.65	ppb
Molybdenum	96-1	5298.04	5293.22	5376.32	5322.53	0.88	ppb
Molybdenum	97-1	5356.65	5331.01	5446.83	5378.16	1.13	ppb
Molybdenum	98-1	5433.52	5476.26	5504.65	5471.48	0.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.26	504.51	495.50	497.75	1.20	ppb
Phosphorus	31-2	9843.08	9872.23	9844.90	9853.40	0.17	ppb
Potassium	39-2	121548.81	120868.32	122270.13	121562.42	0.58	ppb
Rhodium	103-1				92		%
Rhodium	103-2				98		%
Scandium	45-1				96		%
Scandium	45-2				103		%
Selenium	82-1	533.17	537.96	538.47	536.53	0.54	ppb
Selenium	77-2	554.68	544.37	546.34	548.46	1.00	ppb
Selenium	78-2	544.12	542.43	533.10	539.88	1.10	ppb
Silicon	28-1	506.83	501.66	489.70	499.40	1.76	ppb
Silver	107-1	496.82	482.62	498.01	492.48	1.74	ppb
Silver	109-1	490.64	471.31	484.96	482.30	2.06	ppb
Sodium	23-2	243280.90	249945.65	251111.16	248112.57	1.70	ppb
Strontium	86-1	4870.51	4878.17	4837.34	4862.01	0.45	ppb
Strontium	88-1	4866.13	4890.09	4922.03	4892.75	0.57	ppb
Sulfur	34-1	9485.74	6940.90	3956.56	6794.40	40.73	ppb
Terbium	159-1				97		%
Terbium	159-2				102		%
Thallium	203-1	499.75	495.39	500.09	498.41	0.53	ppb
Thallium	205-1	500.56	503.21	504.95	502.91	0.44	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV22	Instrumnet Name :	P7
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:34:23	DataFile Name :	020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	497.89	497.66	489.32	494.96	0.99	ppb
Tin	118-1	505.44	480.70	495.72	493.95	2.52	ppb
Titanium	47-1	5437.39	5389.07	5409.73	5412.06	0.45	ppb
Uranium	238-1	490.80	493.31	483.23	489.11	1.07	ppb
Vanadium	51-2	500.58	507.37	513.83	507.26	1.31	ppb
Yttrium	89-1				96		%
Yttrium	89-2				103		%
Zinc	66-2	5229.61	5279.10	5277.57	5262.09	0.53	ppb
Zirconium	90-1	492.51	492.21	488.14	490.95	0.50	ppb
Zirconium	91-1	492.67	495.95	495.77	494.80	0.37	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB22	Instrumnet Name :	P7
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:45:56	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.39	-0.06	0.26	0.20	119.55	ppb
Antimony	121-1	0.03	0.04	0.03	0.03	24.18	ppb
Arsenic	75-2	-0.01	0.00	-0.01	-0.01		ppb
Barium	135-1	0.01	0.05	0.00	0.02	129.54	ppb
Barium	137-1	0.03	0.02	0.02	0.03	3.70	ppb
Beryllium	9-1	0.01	0.02	0.01	0.01	45.37	ppb
Bismuth	209-1				98		%
Bismuth	209-2				102		%
Boron	10-1	0.47	0.57	0.42	0.49	16.45	ppb
Boron	11-1	0.70	0.75	0.73	0.73	3.76	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	-0.07	-0.19	-0.03	-0.10		ppb
Cadmium	106-1	-1.03	-2.60	-0.50	-1.38		ppb
Cadmium	108-1	-0.04	-0.15	-0.09	-0.09		ppb
Calcium	43-1	-8.95	15.19	6.62	4.29	285.37	ppb
Calcium	44-1	11.19	20.89	14.72	15.60	31.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.02	-0.04	-0.03		ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	80.87	ppb
Copper	63-2	-0.15	-0.15	-0.12	-0.14		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				100		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				107		%
Iron	56-2	1.22	1.09	0.99	1.10	10.57	ppb
Iron	57-2	1.03	2.13	2.49	1.88	40.19	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB22	Instrumnet Name :	P7
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:45:56	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	2.64	2.35	1.78	2.26	19.42	ppb
Krypton	83-1						cps
Lead	206-1	0.15	0.11	0.13	0.13	16.51	ppb
Lead	207-1	0.13	0.15	0.14	0.14	5.57	ppb
Lead	208-1	0.14	0.13	0.14	0.14	4.16	ppb
Lithium	6-1				96		%
Magnesium	24-2	2.01	1.86	2.03	1.97	4.73	ppb
Manganese	55-2	0.03	0.02	0.03	0.03	11.17	ppb
Molybdenum	94-1	0.05	0.04	0.05	0.05	11.16	ppb
Molybdenum	95-1	0.04	0.04	0.05	0.04	19.86	ppb
Molybdenum	96-1	0.08	0.03	0.03	0.05	62.68	ppb
Molybdenum	97-1	0.05	0.07	0.04	0.05	28.62	ppb
Molybdenum	98-1	0.05	0.06	0.06	0.06	5.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.08	0.04	0.06	45.08	ppb
Phosphorus	31-2	-18.29	-14.54	-17.55	-16.80		ppb
Potassium	39-2	33.14	29.85	39.77	34.26	14.75	ppb
Rhodium	103-1				100		%
Rhodium	103-2				106		%
Scandium	45-1				101		%
Scandium	45-2				107		%
Selenium	82-1	0.00	-0.14	0.07	-0.02		ppb
Selenium	77-2	-0.09	0.09	0.17	0.05	248.49	ppb
Selenium	78-2	0.25	0.47	0.29	0.34	34.45	ppb
Silicon	28-1	-0.76	1.01	-0.16	0.03	3046.26	ppb
Silver	107-1	0.01	0.01	0.01	0.01	50.19	ppb
Silver	109-1	0.01	0.01	0.01	0.01	31.29	ppb
Sodium	23-2	90.63	90.52	92.37	91.17	1.14	ppb
Strontium	86-1	-0.01	-0.05	-0.03	-0.03		ppb
Strontium	88-1	0.03	0.03	0.02	0.03	19.41	ppb
Sulfur	34-1	-6090.34	-4317.18	-4960.90	-5122.81		ppb
Terbium	159-1				99		%
Terbium	159-2				105		%
Thallium	203-1	-0.01	-0.01	-0.01	-0.01		ppb
Thallium	205-1	-0.01	0.00	0.00	0.00		ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB22	Instrumnet Name :	P7
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:45:56	DataFile Name :	021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.00	0.00	0.00	0.00	84.98	ppb
Tin	118-1	0.02	0.02	0.03	0.02	27.00	ppb
Titanium	47-1	0.12	0.10	0.12	0.11	12.45	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				103		%
Yttrium	89-2				106		%
Zinc	66-2	0.18	0.24	0.26	0.23	17.35	ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	60.29	ppb
Zirconium	91-1	0.01	0.00	0.00	0.00	244.78	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:48:52	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.92	17.95	17.90	17.59	3.28	ppb
Antimony	121-1	1.74	1.79	1.86	1.80	3.35	ppb
Arsenic	75-2	0.99	0.90	0.97	0.95	5.21	ppb
Barium	135-1	9.30	9.17	9.28	9.25	0.76	ppb
Barium	137-1	8.81	9.24	9.17	9.07	2.50	ppb
Beryllium	9-1	0.89	0.93	1.03	0.95	7.47	ppb
Bismuth	209-1				97		%
Bismuth	209-2				101		%
Boron	10-1	24.23	24.70	24.38	24.44	0.98	ppb
Boron	11-1	22.64	22.96	22.84	22.81	0.73	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	1.05	1.04	0.85	0.98	11.23	ppb
Cadmium	106-1	2.13	1.60	0.17	1.30	77.88	ppb
Cadmium	108-1	0.78	0.96	0.98	0.91	12.15	ppb
Calcium	43-1	522.74	476.56	481.92	493.74	5.12	ppb
Calcium	44-1	493.12	492.25	495.65	493.67	0.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.76	1.82	1.87	1.82	2.90	ppb
Cobalt	59-2	0.96	0.97	0.97	0.96	0.54	ppb
Copper	63-2	1.56	1.66	1.67	1.63	3.58	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				99		%
Holmium	165-2				103		%
Indium	115-1				99		%
Indium	115-2				107		%
Iron	56-2	47.79	48.37	48.88	48.35	1.13	ppb
Iron	57-2	47.74	49.46	50.06	49.08	2.45	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:48:52	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	50.39	49.56	49.72	49.89	0.88	ppb
Krypton	83-1						cps
Lead	206-1	0.97	0.98	1.01	0.98	2.15	ppb
Lead	207-1	0.96	1.03	0.99	0.99	3.79	ppb
Lead	208-1	0.96	0.98	0.97	0.97	1.27	ppb
Lithium	6-1				94		%
Magnesium	24-2	449.68	456.58	458.09	454.78	0.99	ppb
Manganese	55-2	0.98	1.02	1.03	1.01	2.35	ppb
Molybdenum	94-1	5.82	5.44	5.53	5.59	3.57	ppb
Molybdenum	95-1	4.59	4.61	4.59	4.60	0.20	ppb
Molybdenum	96-1	4.64	4.80	4.70	4.71	1.65	ppb
Molybdenum	97-1	4.33	4.78	4.48	4.53	5.04	ppb
Molybdenum	98-1	4.56	4.57	4.62	4.58	0.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.97	1.04	0.96	0.99	4.46	ppb
Phosphorus	31-2	0.28	-2.20	-4.15	-2.02		ppb
Potassium	39-2	499.13	500.83	521.18	507.05	2.42	ppb
Rhodium	103-1				99		%
Rhodium	103-2				105		%
Scandium	45-1				99		%
Scandium	45-2				107		%
Selenium	82-1	4.46	4.11	3.78	4.12	8.27	ppb
Selenium	77-2	5.88	4.27	4.17	4.77	20.14	ppb
Selenium	78-2	4.65	4.47	5.07	4.73	6.42	ppb
Silicon	28-1	9.80	8.55	7.64	8.66	12.52	ppb
Silver	107-1	0.91	0.90	0.92	0.91	1.05	ppb
Silver	109-1	0.89	0.88	0.88	0.89	0.62	ppb
Sodium	23-2	533.43	535.06	539.34	535.94	0.57	ppb
Strontium	86-1	0.83	0.98	1.04	0.95	11.18	ppb
Strontium	88-1	0.93	0.96	0.92	0.94	2.52	ppb
Sulfur	34-1	-3786.34	-5327.75	-4961.09	-4691.72		ppb
Terbium	159-1				97		%
Terbium	159-2				103		%
Thallium	203-1	0.85	0.91	0.81	0.85	6.34	ppb
Thallium	205-1	0.85	0.88	0.81	0.84	4.23	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:48:52	DataFile Name :	022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.76	0.75	0.75	0.75	0.64	ppb
Tin	118-1	4.63	4.62	4.72	4.66	1.11	ppb
Titanium	47-1	4.80	4.85	4.64	4.77	2.30	ppb
Uranium	238-1	0.86	0.85	0.83	0.85	2.02	ppb
Vanadium	51-2	4.57	4.65	4.66	4.63	1.12	ppb
Yttrium	89-1				100		%
Yttrium	89-2				106		%
Zinc	66-2	2.10	1.99	1.96	2.01	3.68	ppb
Zirconium	90-1	0.86	0.83	0.90	0.86	3.73	ppb
Zirconium	91-1	0.85	0.88	0.91	0.88	3.34	ppb

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : PB140772BL Instrumnet Name : P7
 Client Sample ID : PB140772BL Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:51:49 DataFile Name : 023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.09	-0.06	-0.01	-0.05		ppb
Antimony	121-1	0.01	0.01	0.02	0.01	21.65	ppb
Arsenic	75-2	-0.01	-0.02	0.00	-0.01		ppb
Barium	135-1	0.00	0.01	0.01	0.01	161.52	ppb
Barium	137-1	0.02	0.00	0.01	0.01	129.20	ppb
Beryllium	9-1	-0.01	0.00	0.02	0.00	347.22	ppb
Bismuth	209-1				97		%
Bismuth	209-2				102		%
Boron	10-1	0.95	0.81	0.49	0.75	31.17	ppb
Boron	11-1	0.82	0.62	0.62	0.69	16.81	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	-0.03	0.02	0.13	0.04	218.36	ppb
Cadmium	106-1	-0.39	0.04	1.43	0.36	264.35	ppb
Cadmium	108-1	-0.04	-0.24	-0.13	-0.14		ppb
Calcium	43-1	-0.57	5.98	1.38	2.26	148.74	ppb
Calcium	44-1	18.86	15.90	14.31	16.36	14.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.06	-0.12	-0.07		ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	158.48	ppb
Copper	63-2	-0.31	-0.32	-0.34	-0.33		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				109		%
Iron	56-2	0.33	0.16	0.06	0.18	74.29	ppb
Iron	57-2	-0.45	0.40	1.11	0.35	221.06	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BL	Instrumnet Name :	P7
Client Sample ID :	PB140772BL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:51:49	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	0.89	-0.47	0.06	0.16	424.43	ppb
Krypton	83-1						cps
Lead	206-1	0.09	0.13	0.09	0.10	20.58	ppb
Lead	207-1	0.09	0.07	0.08	0.08	8.57	ppb
Lead	208-1	0.08	0.11	0.09	0.09	14.89	ppb
Lithium	6-1				94		%
Magnesium	24-2	1.20	0.85	1.05	1.03	17.30	ppb
Manganese	55-2	0.00	0.01	0.00	0.00	238.24	ppb
Molybdenum	94-1	0.07	-0.01	0.03	0.03	123.50	ppb
Molybdenum	95-1	0.00	0.02	0.00	0.01	126.54	ppb
Molybdenum	96-1	0.03	0.00	0.00	0.01	161.90	ppb
Molybdenum	97-1	0.03	0.01	0.01	0.02	41.49	ppb
Molybdenum	98-1	0.02	0.01	0.02	0.02	24.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.07	0.04	0.04	66.96	ppb
Phosphorus	31-2	-24.91	-15.91	-20.82	-20.55		ppb
Potassium	39-2	19.92	16.98	8.19	15.03	40.59	ppb
Rhodium	103-1				99		%
Rhodium	103-2				109		%
Scandium	45-1				98		%
Scandium	45-2				109		%
Selenium	82-1	0.44	0.14	0.14	0.24	73.41	ppb
Selenium	77-2	0.25	-0.01	-0.09	0.05	357.88	ppb
Selenium	78-2	0.02	0.06	0.24	0.11	108.09	ppb
Silicon	28-1	0.74	-0.34	0.80	0.40	161.60	ppb
Silver	107-1	0.01	0.01	0.01	0.01	27.78	ppb
Silver	109-1	0.01	0.01	0.01	0.01	29.83	ppb
Sodium	23-2	68.42	66.38	64.47	66.42	2.97	ppb
Strontium	86-1	0.04	-0.04	-0.07	-0.02		ppb
Strontium	88-1	0.02	0.02	0.01	0.01	9.30	ppb
Sulfur	34-1	-2132.41	-2610.23	-3785.16	-2842.60		ppb
Terbium	159-1				98		%
Terbium	159-2				106		%
Thallium	203-1	-0.02	-0.03	-0.04	-0.03		ppb
Thallium	205-1	-0.02	-0.01	-0.02	-0.02		ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BL	Instrumnet Name :	P7
Client Sample ID :	PB140772BL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:51:49	DataFile Name :	023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.00	0.00	0.00	0.00		ppb
Tin	118-1	0.00	0.02	0.00	0.01	208.49	ppb
Titanium	47-1	0.06	0.13	0.09	0.10	37.51	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				98		%
Yttrium	89-2				110		%
Zinc	66-2	0.03	0.03	0.02	0.03	29.47	ppb
Zirconium	90-1	-0.01	0.00	0.00	-0.01		ppb
Zirconium	91-1	-0.02	0.00	0.00	-0.01		ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BS	Instrumnet Name :	P7
Client Sample ID :	PB140772BS	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:54:46	DataFile Name :	024LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9554.18	9331.56	9270.51	9385.42	1.59	ppb
Antimony	121-1	514.43	494.75	483.61	497.60	3.14	ppb
Arsenic	75-2	480.48	482.58	479.89	480.98	0.29	ppb
Barium	135-1	2582.43	2475.89	2402.18	2486.83	3.64	ppb
Barium	137-1	2582.82	2503.23	2389.07	2491.71	3.91	ppb
Beryllium	9-1	476.57	495.47	476.26	482.77	2.28	ppb
Bismuth	209-1				92		%
Bismuth	209-2				97		%
Boron	10-1	495.81	520.67	495.83	504.10	2.85	ppb
Boron	11-1	470.89	506.55	484.81	487.42	3.69	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	496.71	485.41	466.88	483.00	3.12	ppb
Cadmium	106-1	501.26	487.21	460.04	482.84	4.34	ppb
Cadmium	108-1	503.82	498.23	481.48	494.51	2.35	ppb
Calcium	43-1	52732.40	52196.27	49487.73	51472.13	3.38	ppb
Calcium	44-1	52014.21	51395.46	49635.67	51015.12	2.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	525.31	506.92	500.31	510.85	2.54	ppb
Cobalt	59-2	509.64	508.35	501.04	506.34	0.92	ppb
Copper	63-2	5049.21	5113.95	5042.44	5068.53	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				96		%
Holmium	165-2				102		%
Indium	115-1				92		%
Indium	115-2				101		%
Iron	56-2	25382.68	25186.97	25101.50	25223.72	0.57	ppb
Iron	57-2	25815.73	25235.69	25074.08	25375.17	1.54	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BS	Instrumnet Name :	P7
Client Sample ID :	PB140772BS	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:54:46	DataFile Name :	024LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	26229.00	25588.61	25513.02	25776.87	1.53	ppb
Krypton	83-1						cps
Lead	206-1	2574.68	2567.91	2407.93	2516.84	3.75	ppb
Lead	207-1	2548.81	2560.23	2457.69	2522.24	2.23	ppb
Lead	208-1	2526.59	2556.07	2449.66	2510.78	2.19	ppb
Lithium	6-1				89		%
Magnesium	24-2	49834.69	48150.57	48636.40	48873.89	1.77	ppb
Manganese	55-2	5026.55	5037.50	4966.52	5010.19	0.76	ppb
Molybdenum	94-1	5396.53	5486.44	5365.58	5416.18	1.16	ppb
Molybdenum	95-1	5468.37	5574.32	5380.92	5474.54	1.77	ppb
Molybdenum	96-1	5378.60	5462.45	5315.36	5385.47	1.37	ppb
Molybdenum	97-1	5441.57	5488.67	5365.38	5431.87	1.15	ppb
Molybdenum	98-1	5501.72	5521.12	5435.88	5486.24	0.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	479.04	477.34	470.89	475.76	0.90	ppb
Phosphorus	31-2	10111.99	9778.85	10041.93	9977.59	1.76	ppb
Potassium	39-2	25237.80	24440.61	24961.95	24880.12	1.63	ppb
Rhodium	103-1				91		%
Rhodium	103-2				99		%
Scandium	45-1				95		%
Scandium	45-2				103		%
Selenium	82-1	489.38	494.78	483.45	489.20	1.16	ppb
Selenium	77-2	497.18	497.21	497.77	497.39	0.07	ppb
Selenium	78-2	504.99	499.03	498.80	500.94	0.70	ppb
Silicon	28-1	511.10	502.03	482.34	498.49	2.95	ppb
Silver	107-1	517.53	500.43	478.79	498.92	3.89	ppb
Silver	109-1	503.64	498.55	476.82	493.01	2.89	ppb
Sodium	23-2	50243.00	49767.45	49255.88	49755.44	0.99	ppb
Strontium	86-1	4973.54	4969.33	4910.89	4951.25	0.71	ppb
Strontium	88-1	4993.27	5036.39	4808.75	4946.13	2.44	ppb
Sulfur	34-1	8884.51	5989.12	2211.94	5695.19	58.75	ppb
Terbium	159-1				96		%
Terbium	159-2				101		%
Thallium	203-1	513.29	509.51	475.58	499.46	4.16	ppb
Thallium	205-1	512.73	512.72	488.31	504.59	2.79	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BS	Instrumnet Name :	P7
Client Sample ID :	PB140772BS	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:54:46	DataFile Name :	024LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	492.80	492.01	484.75	489.85	0.91	ppb
Tin	118-1	519.86	487.57	478.99	495.47	4.35	ppb
Titanium	47-1	5545.86	5461.10	5293.67	5433.55	2.36	ppb
Uranium	238-1	484.77	482.22	466.00	477.67	2.13	ppb
Vanadium	51-2	519.99	505.28	505.93	510.40	1.63	ppb
Yttrium	89-1				95		%
Yttrium	89-2				104		%
Zinc	66-2	5176.48	5082.53	5037.53	5098.85	1.39	ppb
Zirconium	90-1	508.51	504.91	483.21	498.87	2.74	ppb
Zirconium	91-1	505.45	499.72	483.32	496.17	2.31	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL3X10	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL3	Dilution Factor :	10
Date & Time Acquired ::	2021-12-07 19:11:13	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8430.29	8200.88	8181.61	8270.93	1.67	ppb
Antimony	121-1	15.38	28.21	19.83	21.14	30.82	ppb
Arsenic	75-2	87.11	88.59	88.05	87.92	0.85	ppb
Barium	135-1	202.18	358.75	251.72	270.89	29.54	ppb
Barium	137-1	200.57	360.44	255.50	272.17	29.84	ppb
Beryllium	9-1	101.98	179.04	123.75	134.92	29.44	ppb
Bismuth	209-1				81		%
Bismuth	209-2				96		%
Boron	10-1	100.66	178.88	126.98	135.51	29.37	ppb
Boron	11-1	100.72	174.34	126.27	133.78	27.94	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	60.49	113.13	76.16	83.26	32.46	ppb
Cadmium	106-1	48.14	88.76	60.10	65.67	31.79	ppb
Cadmium	108-1	49.28	93.01	63.07	68.45	32.65	ppb
Calcium	43-1	6009.89	11180.13	7533.13	8241.05	32.24	ppb
Calcium	44-1	6139.58	11494.62	7680.82	8438.34	32.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.49	51.80	51.38	51.55	0.42	ppb
Cobalt	59-2	57.18	57.42	55.49	56.70	1.86	ppb
Copper	63-2	155.47	157.30	155.44	156.07	0.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				85		%
Holmium	165-2				102		%
Indium	115-1				83		%
Indium	115-2				101		%
Iron	56-2	18006.18	17778.13	17574.48	17786.26	1.21	ppb
Iron	57-2	17829.36	17613.49	17356.38	17599.75	1.35	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL3X10	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL3	Dilution Factor :	10
Date & Time Acquired ::	2021-12-07 19:11:13	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	17861.13	17816.06	17658.20	17778.46	0.60	ppb
Krypton	83-1						cps
Lead	206-1	62.08	110.67	76.77	83.17	29.97	ppb
Lead	207-1	60.33	105.81	73.31	79.82	29.35	ppb
Lead	208-1	60.67	106.88	74.50	80.68	29.39	ppb
Lithium	6-1				82		%
Magnesium	24-2	2979.68	2931.93	2993.95	2968.52	1.09	ppb
Manganese	55-2	490.46	484.77	492.89	489.37	0.85	ppb
Molybdenum	94-1	56.37	105.00	71.64	77.67	32.02	ppb
Molybdenum	95-1	63.60	117.96	82.23	87.93	31.42	ppb
Molybdenum	96-1	64.22	116.77	80.29	87.09	30.92	ppb
Molybdenum	97-1	63.89	118.85	80.65	87.80	32.08	ppb
Molybdenum	98-1	65.05	120.18	81.72	88.99	31.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	134.26	136.60	131.94	134.27	1.74	ppb
Phosphorus	31-2	753.38	737.22	746.18	745.60	1.09	ppb
Potassium	39-2	2043.72	2076.14	1998.21	2039.36	1.92	ppb
Rhodium	103-1				83		%
Rhodium	103-2				102		%
Scandium	45-1				83		%
Scandium	45-2				104		%
Selenium	82-1	110.57	199.64	136.79	149.00	30.72	ppb
Selenium	77-2	129.35	133.93	126.31	129.86	2.95	ppb
Selenium	78-2	128.16	128.46	129.33	128.65	0.47	ppb
Silicon	28-1	2001.79	3898.11	2653.64	2851.18	33.79	ppb
Silver	107-1	23.09	43.83	29.22	32.05	33.25	ppb
Silver	109-1	23.05	43.12	29.43	31.87	32.18	ppb
Sodium	23-2	3494.73	3471.21	3477.47	3481.13	0.35	ppb
Strontium	86-1	39.28	73.61	50.47	54.45	32.15	ppb
Strontium	88-1	40.26	73.87	50.78	54.97	31.28	ppb
Sulfur	34-1	-23118.81	22793.22	-10611.02	-3645.54		ppb
Terbium	159-1				84		%
Terbium	159-2				100		%
Thallium	203-1	68.50	117.63	81.35	89.16	28.58	ppb
Thallium	205-1	67.80	120.17	82.22	90.06	30.04	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL3X10	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL3	Dilution Factor :	10
Date & Time Acquired ::	2021-12-07 19:11:13	DataFile Name :	025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	4.32	7.55	5.39	5.75	28.55	ppb
Tin	118-1	45.32	84.42	59.33	63.02	31.43	ppb
Titanium	47-1	174.57	331.02	222.46	242.68	33.03	ppb
Uranium	238-1	27.15	47.21	32.83	35.73	28.94	ppb
Vanadium	51-2	83.79	83.47	83.41	83.56	0.25	ppb
Yttrium	89-1				84		%
Yttrium	89-2				104		%
Zinc	66-2	232.32	233.33	227.88	231.18	1.25	ppb
Zirconium	90-1	1.62	3.48	1.99	2.36	41.57	ppb
Zirconium	91-1	1.64	3.17	2.22	2.34	33.06	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL2X5	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL2	Dilution Factor :	5
Date & Time Acquired ::	2021-12-07 19:14:06	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16337.20	15900.50	16356.38	16198.03	1.59	ppb
Antimony	121-1	38.13	35.67	34.74	36.18	4.83	ppb
Arsenic	75-2	173.23	172.48	171.98	172.56	0.36	ppb
Barium	135-1	493.61	453.53	449.48	465.54	5.24	ppb
Barium	137-1	491.43	461.39	462.49	471.77	3.61	ppb
Beryllium	9-1	236.46	231.02	227.30	231.59	1.99	ppb
Bismuth	209-1				87		%
Bismuth	209-2				90		%
Boron	10-1	245.02	245.85	238.79	243.22	1.59	ppb
Boron	11-1	230.00	233.90	233.49	232.46	0.92	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	148.59	139.46	141.50	143.18	3.35	ppb
Cadmium	106-1	122.04	112.73	109.74	114.84	5.59	ppb
Cadmium	108-1	123.05	114.13	114.74	117.31	4.25	ppb
Calcium	43-1	14104.52	13918.70	14004.98	14009.40	0.66	ppb
Calcium	44-1	14063.98	13709.70	14080.59	13951.42	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	104.33	103.51	105.22	104.35	0.82	ppb
Cobalt	59-2	114.52	113.58	115.16	114.42	0.69	ppb
Copper	63-2	338.68	330.03	339.01	335.91	1.52	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				90		%
Holmium	165-2				96		%
Indium	115-1				89		%
Indium	115-2				96		%
Iron	56-2	35082.93	35579.46	35602.13	35421.50	0.83	ppb
Iron	57-2	35675.19	34625.00	35343.57	35214.59	1.52	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL2X5	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL2	Dilution Factor :	5
Date & Time Acquired ::	2021-12-07 19:14:06	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	34937.24	36336.10	36111.79	35795.04	2.10	ppb
Krypton	83-1						cps
Lead	206-1	146.63	141.34	140.31	142.76	2.38	ppb
Lead	207-1	141.43	136.65	135.51	137.87	2.28	ppb
Lead	208-1	150.38	144.97	146.32	147.22	1.91	ppb
Lithium	6-1				85		%
Magnesium	24-2	5754.88	5611.36	5809.93	5725.39	1.79	ppb
Manganese	55-2	942.40	966.63	950.89	953.31	1.29	ppb
Molybdenum	94-1	133.07	129.51	132.42	131.67	1.44	ppb
Molybdenum	95-1	151.11	146.93	149.73	149.26	1.43	ppb
Molybdenum	96-1	149.74	146.58	148.68	148.33	1.08	ppb
Molybdenum	97-1	152.67	147.60	151.23	150.50	1.73	ppb
Molybdenum	98-1	154.93	147.26	155.06	152.42	2.93	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	270.75	269.06	269.07	269.63	0.36	ppb
Phosphorus	31-2	1468.89	1457.35	1552.86	1493.03	3.49	ppb
Potassium	39-2	3916.78	3966.70	3891.62	3925.03	0.97	ppb
Rhodium	103-1				89		%
Rhodium	103-2				98		%
Scandium	45-1				87		%
Scandium	45-2				99		%
Selenium	82-1	258.56	250.32	254.34	254.41	1.62	ppb
Selenium	77-2	255.82	266.71	253.34	258.62	2.75	ppb
Selenium	78-2	248.40	247.08	250.42	248.63	0.68	ppb
Silicon	28-1	4804.10	4732.95	4692.13	4743.06	1.19	ppb
Silver	107-1	57.70	54.03	53.98	55.23	3.86	ppb
Silver	109-1	57.34	53.71	53.60	54.88	3.88	ppb
Sodium	23-2	6821.01	6680.44	6822.01	6774.49	1.20	ppb
Strontium	86-1	93.75	92.26	89.87	91.96	2.13	ppb
Strontium	88-1	98.82	94.85	94.65	96.11	2.45	ppb
Sulfur	34-1	-16378.11	-18965.07	-19427.88	-18257.02		ppb
Terbium	159-1				89		%
Terbium	159-2				96		%
Thallium	203-1	156.96	152.49	151.67	153.71	1.85	ppb
Thallium	205-1	168.89	163.64	160.31	164.28	2.63	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL2X5	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL2	Dilution Factor :	5
Date & Time Acquired ::	2021-12-07 19:14:06	DataFile Name :	026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	10.04	9.74	9.78	9.86	1.64	ppb
Tin	118-1	113.73	107.42	106.28	109.14	3.68	ppb
Titanium	47-1	416.73	410.09	402.47	409.76	1.74	ppb
Uranium	238-1	64.45	61.07	62.08	62.53	2.77	ppb
Vanadium	51-2	170.54	165.56	170.07	168.72	1.63	ppb
Yttrium	89-1				90		%
Yttrium	89-2				102		%
Zinc	66-2	458.63	456.74	469.71	461.69	1.52	ppb
Zirconium	90-1	3.79	3.71	3.83	3.78	1.61	ppb
Zirconium	91-1	3.88	3.86	4.13	3.96	3.83	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOIL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 19:28:32	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	78501.75	78728.48	78529.30	78586.51	0.16	ppb
Antimony	121-1	170.56	167.61	168.82	169.00	0.88	ppb
Arsenic	75-2	781.05	776.70	795.93	784.56	1.29	ppb
Barium	135-1	2375.42	2225.81	2226.25	2275.83	3.79	ppb
Barium	137-1	2300.46	2228.87	2226.56	2251.96	1.87	ppb
Beryllium	9-1	1001.76	988.96	1011.27	1000.66	1.12	ppb
Bismuth	209-1				72		%
Bismuth	209-2				78		%
Boron	10-1	1026.73	1003.54	1016.05	1015.44	1.14	ppb
Boron	11-1	998.05	961.34	976.10	978.50	1.89	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	659.39	652.07	658.13	656.53	0.60	ppb
Cadmium	106-1	519.83	510.42	537.47	522.58	2.63	ppb
Cadmium	108-1	546.86	540.10	529.91	538.95	1.58	ppb
Calcium	43-1	63174.91	61957.94	62228.81	62453.89	1.02	ppb
Calcium	44-1	63024.57	63055.27	62168.63	62749.49	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	487.50	498.90	501.61	496.01	1.51	ppb
Cobalt	59-2	558.43	554.10	579.10	563.88	2.37	ppb
Copper	63-2	1679.91	1665.78	1711.00	1685.57	1.37	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				73		%
Holmium	165-2				82		%
Indium	115-1				68		%
Indium	115-2				75		%
Iron	56-2	159687.06	160602.94	162496.96	160928.99	0.89	ppb
Iron	57-2	158941.42	162065.80	159273.19	160093.47	1.07	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOIL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 19:28:32	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	159450.62	159955.76	160398.53	159934.97	0.30	ppb
Krypton	83-1						cps
Lead	206-1	752.65	743.32	741.20	745.72	0.82	ppb
Lead	207-1	738.20	718.66	742.24	733.03	1.72	ppb
Lead	208-1	734.29	734.57	744.29	737.72	0.77	ppb
Lithium	6-1				91		%
Magnesium	24-2	26236.22	26272.74	26392.61	26300.52	0.31	ppb
Manganese	55-2	4244.58	4292.38	4298.32	4278.43	0.69	ppb
Molybdenum	94-1	582.88	579.71	571.07	577.89	1.06	ppb
Molybdenum	95-1	684.86	689.55	662.72	679.04	2.11	ppb
Molybdenum	96-1	675.98	676.56	645.55	666.03	2.66	ppb
Molybdenum	97-1	658.62	650.67	634.17	647.82	1.93	ppb
Molybdenum	98-1	682.86	672.37	656.33	670.52	1.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1351.75	1338.95	1382.50	1357.73	1.65	ppb
Phosphorus	31-2	6610.43	6715.65	6675.00	6667.03	0.80	ppb
Potassium	39-2	17323.19	17594.25	17459.38	17458.94	0.78	ppb
Rhodium	103-1				66		%
Rhodium	103-2				80		%
Scandium	45-1				71		%
Scandium	45-2				83		%
Selenium	82-1	1094.51	1085.08	1064.77	1081.45	1.41	ppb
Selenium	77-2	1104.51	1077.25	1080.57	1087.44	1.37	ppb
Selenium	78-2	1058.16	1049.37	1077.96	1061.83	1.38	ppb
Silicon	28-1	21301.06	20682.29	20792.80	20925.38	1.58	ppb
Silver	107-1	259.96	259.76	262.55	260.76	0.60	ppb
Silver	109-1	258.47	262.06	255.14	258.56	1.34	ppb
Sodium	23-2	31413.94	31312.22	31624.22	31450.13	0.51	ppb
Strontium	86-1	396.92	392.69	390.32	393.31	0.85	ppb
Strontium	88-1	414.06	410.04	406.48	410.20	0.92	ppb
Sulfur	34-1	-26146.22	-41514.03	-41135.71	-36265.32		ppb
Terbium	159-1				72		%
Terbium	159-2				81		%
Thallium	203-1	786.27	770.64	794.66	783.85	1.56	ppb
Thallium	205-1	796.49	772.58	792.09	787.05	1.62	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOIL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 19:28:32	DataFile Name :	028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	48.95	48.55	49.06	48.85	0.55	ppb
Tin	118-1	526.16	514.15	520.04	520.12	1.15	ppb
Titanium	47-1	1907.56	1888.07	1887.35	1894.32	0.61	ppb
Uranium	238-1	351.11	349.25	354.57	351.64	0.77	ppb
Vanadium	51-2	806.68	821.56	823.29	817.18	1.12	ppb
Yttrium	89-1				77		%
Yttrium	89-2				90		%
Zinc	66-2	2250.54	2247.99	2292.03	2263.52	1.09	ppb
Zirconium	90-1	15.86	16.05	15.91	15.94	0.63	ppb
Zirconium	91-1	17.20	17.49	17.17	17.29	1.00	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DLX2	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL	Dilution Factor :	2
Date & Time Acquired ::	2021-12-07 19:36:16	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	39541.83	39454.11	39496.56	39497.50	0.11	ppb
Antimony	121-1	84.18	87.01	88.19	86.46	2.38	ppb
Arsenic	75-2	434.65	419.85	426.81	427.10	1.73	ppb
Barium	135-1	1084.18	1161.70	1121.18	1122.35	3.45	ppb
Barium	137-1	1122.19	1179.62	1157.50	1153.10	2.51	ppb
Beryllium	9-1	555.17	551.99	547.26	551.48	0.72	ppb
Bismuth	209-1				68		%
Bismuth	209-2				77		%
Boron	10-1	576.78	601.93	597.95	592.22	2.28	ppb
Boron	11-1	548.21	544.25	544.66	545.70	0.40	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	331.24	335.32	343.20	336.59	1.81	ppb
Cadmium	106-1	270.35	266.04	269.36	268.58	0.84	ppb
Cadmium	108-1	270.33	281.41	282.18	277.97	2.38	ppb
Calcium	43-1	32812.42	33089.57	33402.63	33101.54	0.89	ppb
Calcium	44-1	32987.52	32716.75	33218.09	32974.12	0.76	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	256.07	259.12	258.86	258.02	0.66	ppb
Cobalt	59-2	310.59	299.58	303.23	304.47	1.84	ppb
Copper	63-2	890.60	889.99	890.96	890.51	0.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				69		%
Holmium	165-2				81		%
Indium	115-1				63		%
Indium	115-2				75		%
Iron	56-2	88267.00	85906.14	86405.34	86859.49	1.43	ppb
Iron	57-2	89395.17	85992.25	86655.83	87347.75	2.07	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DLX2	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL	Dilution Factor :	2
Date & Time Acquired ::	2021-12-07 19:36:16	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	86197.18	87472.65	86110.32	86593.38	0.88	ppb
Krypton	83-1						cps
Lead	206-1	353.00	375.61	351.54	360.05	3.75	ppb
Lead	207-1	336.98	335.84	334.47	335.76	0.37	ppb
Lead	208-1	360.11	367.21	359.04	362.12	1.23	ppb
Lithium	6-1				68		%
Magnesium	24-2	14117.99	14137.32	14205.56	14153.62	0.33	ppb
Manganese	55-2	2341.32	2320.62	2316.26	2326.06	0.58	ppb
Molybdenum	94-1	307.00	316.62	314.16	312.59	1.60	ppb
Molybdenum	95-1	348.17	350.62	359.16	352.65	1.64	ppb
Molybdenum	96-1	346.38	344.74	354.39	348.50	1.48	ppb
Molybdenum	97-1	355.08	353.42	354.99	354.50	0.26	ppb
Molybdenum	98-1	372.14	361.53	368.34	367.34	1.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	692.53	689.05	694.94	692.18	0.43	ppb
Phosphorus	31-2	3497.20	3582.22	3588.39	3555.94	1.43	ppb
Potassium	39-2	9372.77	9189.13	9171.96	9244.62	1.20	ppb
Rhodium	103-1				63		%
Rhodium	103-2				81		%
Scandium	45-1				65		%
Scandium	45-2				78		%
Selenium	82-1	590.77	578.01	591.21	586.67	1.28	ppb
Selenium	77-2	593.05	587.43	583.15	587.88	0.84	ppb
Selenium	78-2	578.85	566.48	568.50	571.27	1.16	ppb
Silicon	28-1	11166.50	10805.16	11146.32	11039.33	1.84	ppb
Silver	107-1	128.75	128.69	128.27	128.57	0.21	ppb
Silver	109-1	124.87	128.41	127.85	127.04	1.50	ppb
Sodium	23-2	16989.88	17061.66	17215.61	17089.05	0.67	ppb
Strontium	86-1	217.96	213.42	215.51	215.63	1.05	ppb
Strontium	88-1	222.22	224.17	224.12	223.50	0.50	ppb
Sulfur	34-1	-38492.67	-39583.20	-39077.03	-39050.96		ppb
Terbium	159-1				67		%
Terbium	159-2				81		%
Thallium	203-1	397.77	395.91	399.12	397.60	0.41	ppb
Thallium	205-1	396.76	394.40	403.56	398.24	1.19	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DLX2	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL	Dilution Factor :	2
Date & Time Acquired ::	2021-12-07 19:36:16	DataFile Name :	030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	25.28	24.98	24.93	25.07	0.75	ppb
Tin	118-1	252.23	257.07	261.80	257.03	1.86	ppb
Titanium	47-1	965.03	953.41	966.62	961.69	0.75	ppb
Uranium	238-1	184.75	182.79	180.82	182.78	1.08	ppb
Vanadium	51-2	437.05	448.80	440.37	442.08	1.37	ppb
Yttrium	89-1				67		%
Yttrium	89-2				84		%
Zinc	66-2	1159.96	1164.76	1181.31	1168.68	0.96	ppb
Zirconium	90-1	8.49	8.43	8.86	8.59	2.72	ppb
Zirconium	91-1	9.30	9.15	9.66	9.37	2.82	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV23	Instrumnet Name :	P7
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:07:47	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	46968.11	46340.63	48162.47	47157.07	1.96	ppb
Antimony	121-1	540.82	527.73	520.15	529.57	1.98	ppb
Arsenic	75-2	482.52	474.29	470.39	475.73	1.30	ppb
Barium	135-1	2437.10	2401.88	2355.97	2398.32	1.70	ppb
Barium	137-1	2501.46	2404.12	2351.33	2418.97	3.15	ppb
Beryllium	9-1	519.52	518.74	516.19	518.15	0.34	ppb
Bismuth	209-1				90		%
Bismuth	209-2				96		%
Boron	10-1	550.90	542.57	546.02	546.50	0.77	ppb
Boron	11-1	526.11	520.57	523.56	523.41	0.53	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	535.94	514.53	525.10	525.19	2.04	ppb
Cadmium	106-1	532.71	512.33	515.83	520.29	2.09	ppb
Cadmium	108-1	522.55	508.49	514.13	515.06	1.37	ppb
Calcium	43-1	237144.72	237037.74	240011.90	238064.79	0.71	ppb
Calcium	44-1	238306.72	241508.49	239591.98	239802.40	0.67	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	489.34	485.46	489.19	488.00	0.45	ppb
Cobalt	59-2	485.68	480.19	488.20	484.69	0.84	ppb
Copper	63-2	4986.62	4882.45	4932.98	4934.02	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				107		%
Indium	115-1				93		%
Indium	115-2				103		%
Iron	56-2	121948.51	121797.42	124271.76	122672.57	1.13	ppb
Iron	57-2	122983.30	120696.48	122559.06	122079.62	1.00	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV23	Instrumnet Name :	P7
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:07:47	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	121747.79	122735.49	124155.78	122879.69	0.99	ppb
Krypton	83-1						cps
Lead	206-1	2417.33	2411.72	2485.79	2438.28	1.69	ppb
Lead	207-1	2406.79	2363.13	2434.99	2401.64	1.51	ppb
Lead	208-1	2410.85	2384.87	2446.89	2414.20	1.29	ppb
Lithium	6-1				77		%
Magnesium	24-2	239840.55	242930.90	242160.31	241643.92	0.67	ppb
Manganese	55-2	4900.23	4894.22	4987.31	4927.26	1.06	ppb
Molybdenum	94-1	5227.90	5227.19	5280.23	5245.10	0.58	ppb
Molybdenum	95-1	5268.33	5244.18	5202.81	5238.44	0.63	ppb
Molybdenum	96-1	5389.44	5260.29	5220.65	5290.13	1.67	ppb
Molybdenum	97-1	5298.43	5236.74	5208.79	5247.99	0.87	ppb
Molybdenum	98-1	5321.28	5304.63	5188.16	5271.36	1.38	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	473.23	471.32	471.19	471.91	0.24	ppb
Phosphorus	31-2	9605.87	9551.73	9718.39	9625.33	0.88	ppb
Potassium	39-2	122147.42	121885.72	122347.28	122126.81	0.19	ppb
Rhodium	103-1				93		%
Rhodium	103-2				102		%
Scandium	45-1				96		%
Scandium	45-2				107		%
Selenium	82-1	505.91	499.38	494.07	499.78	1.19	ppb
Selenium	77-2	512.28	520.99	525.78	519.69	1.32	ppb
Selenium	78-2	520.51	516.56	511.52	516.20	0.87	ppb
Silicon	28-1	481.31	485.67	489.36	485.45	0.83	ppb
Silver	107-1	484.77	471.11	476.44	477.44	1.44	ppb
Silver	109-1	481.98	468.11	455.77	468.62	2.80	ppb
Sodium	23-2	242513.18	243613.52	243888.81	243338.51	0.30	ppb
Strontium	86-1	4762.86	4648.21	4670.37	4693.81	1.30	ppb
Strontium	88-1	4746.24	4715.69	4775.59	4745.84	0.63	ppb
Sulfur	34-1	5933.25	5934.27	4162.61	5343.38	19.14	ppb
Terbium	159-1				96		%
Terbium	159-2				105		%
Thallium	203-1	490.27	494.09	493.05	492.47	0.40	ppb
Thallium	205-1	488.48	487.98	496.16	490.87	0.93	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV23	Instrumnet Name :	P7
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:07:47	DataFile Name :	036CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	468.41	473.18	476.67	472.75	0.88	ppb
Tin	118-1	497.60	472.06	469.01	479.56	3.27	ppb
Titanium	47-1	5231.80	5220.56	5279.45	5243.94	0.60	ppb
Uranium	238-1	468.79	452.05	456.58	459.14	1.89	ppb
Vanadium	51-2	492.37	496.18	498.94	495.83	0.67	ppb
Yttrium	89-1				97		%
Yttrium	89-2				108		%
Zinc	66-2	5105.92	4962.33	5091.95	5053.40	1.57	ppb
Zirconium	90-1	480.79	480.77	485.32	482.30	0.54	ppb
Zirconium	91-1	462.53	469.32	485.18	472.34	2.46	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB23	Instrumnet Name :	P7
Client Sample ID :	CCB23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:18:26	DataFile Name :	038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2.75	2.84	2.88	2.82	2.29	ppb
Antimony	121-1	0.02	0.03	0.05	0.04	36.32	ppb
Arsenic	75-2	0.01	0.00	0.00	0.01	85.25	ppb
Barium	135-1	0.02	0.05	0.02	0.03	52.42	ppb
Barium	137-1	0.03	0.05	0.07	0.05	40.72	ppb
Beryllium	9-1	0.14	0.09	0.14	0.12	22.20	ppb
Bismuth	209-1				90		%
Bismuth	209-2				99		%
Boron	10-1	3.75	3.54	3.54	3.61	3.28	ppb
Boron	11-1	3.99	3.51	3.63	3.71	6.77	ppb
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	111-1	-0.07	-0.15	-0.13	-0.12		ppb
Cadmium	106-1	-1.16	-2.14	-1.76	-1.68		ppb
Cadmium	108-1	-0.19	-0.12	-0.03	-0.11		ppb
Calcium	43-1	14.30	5.88	9.39	9.86	42.94	ppb
Calcium	44-1	59.83	45.48	44.13	49.81	17.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.05	0.01	0.03	60.45	ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	42.71	ppb
Copper	63-2	0.16	0.07	0.08	0.10	44.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				93		%
Holmium	165-2				103		%
Indium	115-1				95		%
Indium	115-2				108		%
Iron	56-2	1.07	1.08	1.01	1.06	3.59	ppb
Iron	57-2	0.98	1.68	1.54	1.40	26.30	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB23	Instrumnet Name :	P7
Client Sample ID :	CCB23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:18:26	DataFile Name :	038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Iron	54-2	1.65	2.15	2.27	2.03	16.27	ppb
Krypton	83-1						cps
Lead	206-1	0.25	0.29	0.23	0.26	11.86	ppb
Lead	207-1	0.27	0.26	0.25	0.26	5.25	ppb
Lead	208-1	0.26	0.27	0.23	0.25	8.42	ppb
Lithium	6-1				83		%
Magnesium	24-2	2.24	2.61	2.69	2.52	9.50	ppb
Manganese	55-2	0.10	0.10	0.09	0.10	4.63	ppb
Molybdenum	94-1	0.13	0.08	0.07	0.09	33.79	ppb
Molybdenum	95-1	0.06	0.04	0.05	0.05	19.70	ppb
Molybdenum	96-1	0.05	0.10	0.06	0.07	38.16	ppb
Molybdenum	97-1	0.05	0.05	0.05	0.05	6.30	ppb
Molybdenum	98-1	0.07	0.06	0.04	0.06	26.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.19	0.17	0.11	0.15	26.88	ppb
Phosphorus	31-2	-21.22	-25.58	-22.75	-23.18		ppb
Potassium	39-2	91.66	96.66	83.97	90.76	7.04	ppb
Rhodium	103-1				96		%
Rhodium	103-2				107		%
Scandium	45-1				93		%
Scandium	45-2				107		%
Selenium	82-1	-0.09	0.21	0.23	0.12	152.18	ppb
Selenium	77-2	-0.01	-0.09	-0.01	-0.04		ppb
Selenium	78-2	0.22	0.32	0.56	0.37	47.47	ppb
Silicon	28-1	5.07	3.23	1.77	3.36	49.18	ppb
Silver	107-1	0.01	0.01	0.01	0.01	42.26	ppb
Silver	109-1	0.03	0.07	0.01	0.03	79.15	ppb
Sodium	23-2	191.38	187.83	184.96	188.06	1.71	ppb
Strontium	86-1	0.06	0.01	0.02	0.03	92.21	ppb
Strontium	88-1	0.04	0.04	0.05	0.04	14.17	ppb
Sulfur	34-1	-3424.26	-5598.58	-5975.33	-4999.39		ppb
Terbium	159-1				95		%
Terbium	159-2				103		%
Thallium	203-1	0.01	0.01	0.01	0.01	21.91	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	16.76	ppb

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB23	Instrumnet Name :	P7
Client Sample ID :	CCB23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:18:26	DataFile Name :	038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Thorium	232-1	0.00	0.00	0.00	0.00	35.00	ppb
Tin	118-1	0.00	0.01	0.02	0.01	107.06	ppb
Titanium	47-1	-0.02	0.06	0.09	0.04	140.14	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.01	0.00	0.00	0.00	57.17	ppb
Yttrium	89-1				95		%
Yttrium	89-2				108		%
Zinc	66-2	0.37	0.26	0.31	0.32	17.28	ppb
Zirconium	90-1	-0.01	0.01	0.00	0.00		ppb
Zirconium	91-1	0.00	0.02	0.03	0.01	118.56	ppb

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S0 Instrumnet Name : P7
 Client Sample ID : S0 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 16:58:33 DataFile Name : 003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	489	439	467	465	5.39	cps
Antimony	121-1	100	92	75	89	14.32	cps
Arsenic	75-2	52	48	44	48	7.70	cps
Barium	135-1	58	125	125	103	37.45	cps
Barium	137-1	100	133	83	106	24.12	cps
Beryllium	9-1	123	87	83	98	22.70	cps
Bismuth	209-1	6694804	6718904	6644127	6685945	0.57	cps
Bismuth	209-2	4777603	5098753	5179753	5018703	4.24	cps
Boron	10-1	275	158	150	194	35.94	cps
Boron	11-1	783	808	808	800	1.80	cps
Bromine	81-1	875	675	825	792	13.15	cps
Bromine	81-2	100	40	90	77	41.93	cps
Cadmium	111-1	4258	4352	4299	4303	1.10	cps
Cadmium	106-1	6118	6285	6185	6196	1.35	cps
Cadmium	108-1	83	79	67	76	11.35	cps
Calcium	43-1	825	933	1083	947	13.70	cps
Calcium	44-1	91081	90361	94905	92116	2.65	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5708	5461	5484	5551	2.45	cps
Cobalt	59-2	137	97	80	104	27.88	cps
Copper	63-2	12248	12045	12418	12237	1.53	cps
Dysprosium	156-1	8	42	17	22	78.07	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	17	83	83	61	62.98	cps
Erbium	164-2	47	37	20	34	39.11	cps
Gadolinium	160-1	108	108	83	100	14.43	cps
Gadolinium	160-2	167	200	183	183	9.09	cps
Holmium	165-1	8343684	8266975	8285142	8298600	0.48	cps
Holmium	165-2	5615426	5934522	6143414	5897787	4.51	cps
Indium	115-1	6822906	6848522	6825879	6832436	0.21	cps
Indium	115-2	2790207	3014220	2986342	2930256	4.17	cps
Iron	56-2	15581	15986	15447	15671	1.79	cps
Iron	57-2	2317	2089	2084	2163	6.16	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 16:58:33	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	4816	4115	4746	4559	8.47	cps
Krypton	83-1	790	887	670	782	13.88	cps
Lead	206-1	600	511	672	594	13.58	cps
Lead	207-1	539	522	556	539	3.09	cps
Lead	208-1	2478	2345	2489	2437	3.30	cps
Lithium	6-1	1119070	1097768	1099450	1105430	1.07	cps
Magnesium	24-2	544	544	450	513	10.63	cps
Manganese	55-2	343	440	393	392	12.33	cps
Molybdenum	94-1	333	300	267	300	11.11	cps
Molybdenum	95-1	75	92	33	67	45.07	cps
Molybdenum	96-1	150	267	200	206	28.48	cps
Molybdenum	97-1	33	50	17	33	50.00	cps
Molybdenum	98-1	75	117	75	89	27.07	cps
Neodymium	150-1	13	27	20	20	33.35	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	457	390	423	423	7.87	cps
Phosphorus	31-2	2942	2942	3000	2961	1.14	cps
Potassium	39-2	278074	278666	276902	277881	0.32	cps
Rhodium	103-1	6516301	6646783	6530846	6564643	1.09	cps
Rhodium	103-2	4816418	5101542	5229024	5048995	4.18	cps
Scandium	45-1	4166180	4175331	4137255	4159589	0.48	cps
Scandium	45-2	571324	601416	604554	592431	3.10	cps
Selenium	82-1	-62	-43	120	5	1994.03	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	178	206	215	199	9.67	cps
Silicon	28-1	469607	470874	470987	470489	0.16	cps
Silver	107-1	125	167	100	131	25.80	cps
Silver	109-1	33	17	17	22	43.28	cps
Sodium	23-2	57413	57605	57183	57400	0.37	cps
Strontium	86-1	1508	1325	1300	1378	8.26	cps
Strontium	88-1	533	558	433	508	13.01	cps
Sulfur	34-1	2367260	2332590	2377868	2359239	1.00	cps
Terbium	159-1	8448861	8621797	8666825	8579161	1.34	cps
Terbium	159-2	5706255	6216821	6325464	6082847	5.44	cps
Thallium	203-1	633	583	592	603	4.44	cps
Thallium	205-1	1092	1208	1225	1175	6.18	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S0	Instrumnet Name :	P7
Client Sample ID :	S0	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 16:58:33	DataFile Name :	003CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	167	172	161	167	3.33	cps
Tin	118-1	467	492	492	483	2.99	cps
Titanium	47-1	600	408	417	475	22.81	cps
Uranium	238-1	-67	-66	-46	-60	-19.27	cps
Vanadium	51-2	43	53	40	46	15.23	cps
Yttrium	89-1	12366322	12491815	12231048	12363062	1.05	cps
Yttrium	89-2	4000657	4237069	4292186	4176638	3.71	cps
Zinc	66-2	587	543	473	534	10.70	cps
Zirconium	90-1	700	667	775	714	7.77	cps
Zirconium	91-1	175	75	125	125	40.00	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:04:25	DataFile Name :	005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6396	5973	6140	6170	3.45	cps
Antimony	121-1	19205	20023	20006	19745	2.37	cps
Arsenic	75-2	1670	1504	1561	1578	5.36	cps
Barium	135-1	17586	17027	17177	17264	1.68	cps
Barium	137-1	29815	30826	29005	29882	3.05	cps
Beryllium	9-1	2043	2030	2047	2040	0.43	cps
Bismuth	209-1	6385142	6679965	6706938	6590682	2.71	cps
Bismuth	209-2	5188681	5102977	5142104	5144588	0.83	cps
Boron	10-1	6960	6977	7569	7169	4.84	cps
Boron	11-1	36627	37813	38507	37649	2.52	cps
Bromine	81-1	842	583	717	714	18.10	cps
Bromine	81-2	120	60	130	103	36.64	cps
Cadmium	111-1	7021	6690	6563	6758	3.50	cps
Cadmium	106-1	6894	6568	6293	6585	4.56	cps
Cadmium	108-1	263	250	263	258	2.79	cps
Calcium	43-1	10921	10787	10804	10838	0.67	cps
Calcium	44-1	250215	252883	252761	251953	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16679	16226	16412	16439	1.39	cps
Cobalt	59-2	8356	8386	8416	8386	0.36	cps
Copper	63-2	24574	23790	24110	24158	1.63	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	3	10	3	6	69.34	cps
Erbium	164-1	75	33	25	44	60.28	cps
Erbium	164-2	47	57	37	47	21.43	cps
Gadolinium	160-1	92	42	33	56	56.79	cps
Gadolinium	160-2	190	213	190	198	6.81	cps
Holmium	165-1	7984957	8214228	8222177	8140454	1.65	cps
Holmium	165-2	6160456	6100808	6093049	6118105	0.60	cps
Indium	115-1	6649665	6791886	6652869	6698140	1.21	cps
Indium	115-2	3097174	3027552	2982443	3035723	1.90	cps
Iron	56-2	263208	258235	265281	262242	1.38	cps
Iron	57-2	8252	8558	8197	8336	2.33	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S2 Instrumnet Name : P7
 Client Sample ID : S2 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:04:25 DataFile Name : 005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	18961	17859	18069	18296	3.20	cps
Krypton	83-1	847	807	880	844	4.35	cps
Lead	206-1	6613	6952	6807	6791	2.51	cps
Lead	207-1	6129	6157	6207	6164	0.64	cps
Lead	208-1	26833	27522	27806	27387	1.83	cps
Lithium	6-1	1099143	1053361	1072357	1074954	2.14	cps
Magnesium	24-2	284301	283866	285354	284507	0.27	cps
Manganese	55-2	4227	4504	4397	4376	3.19	cps
Molybdenum	94-1	15075	14608	15100	14927	1.86	cps
Molybdenum	95-1	18003	18037	17344	17795	2.19	cps
Molybdenum	96-1	18721	20047	19004	19258	3.63	cps
Molybdenum	97-1	11230	11713	11738	11560	2.48	cps
Molybdenum	98-1	29497	28478	27351	28442	3.77	cps
Neodymium	150-1	13	20	0	11	91.66	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	2627	2687	2610	2641	1.53	cps
Phosphorus	31-2	3734	3684	4417	3945	10.39	cps
Potassium	39-2	626769	624449	619623	623614	0.58	cps
Rhodium	103-1	6384713	6501949	6487018	6457893	0.99	cps
Rhodium	103-2	5247622	5159265	5165564	5190817	0.95	cps
Scandium	45-1	4046220	4125581	4156636	4109479	1.39	cps
Scandium	45-2	613771	614266	618088	615375	0.38	cps
Selenium	82-1	1147	1256	1149	1184	5.29	cps
Selenium	77-2	173	203	177	184	8.92	cps
Selenium	78-2	770	807	794	791	2.38	cps
Silicon	28-1	519998	513193	519117	517436	0.72	cps
Silver	107-1	10079	9503	9362	9648	3.94	cps
Silver	109-1	9478	9161	8995	9212	2.67	cps
Sodium	23-2	526386	534908	534625	531973	0.91	cps
Strontium	86-1	3826	3792	3567	3728	3.77	cps
Strontium	88-1	20423	20506	20498	20476	0.22	cps
Sulfur	34-1	2359945	2355236	2347855	2354345	0.26	cps
Terbium	159-1	8163132	8350883	8386466	8300160	1.45	cps
Terbium	159-2	6202006	6124776	6192992	6173258	0.68	cps
Thallium	203-1	8061	8128	7669	7953	3.12	cps
Thallium	205-1	18104	18838	18280	18407	2.08	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S2	Instrumnet Name :	P7
Client Sample ID :	S2	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:04:25	DataFile Name :	005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	24495	24573	25319	24796	1.83	cps
Tin	118-1	29482	29531	28604	29206	1.79	cps
Titanium	47-1	5660	6001	6060	5907	3.66	cps
Uranium	238-1	21080	20998	21421	21167	1.06	cps
Vanadium	51-2	23141	22888	22931	22987	0.59	cps
Yttrium	89-1	11766571	12115402	11990691	11957555	1.48	cps
Yttrium	89-2	4388661	4247568	4256077	4297435	1.84	cps
Zinc	66-2	3494	3487	3614	3532	2.02	cps
Zirconium	90-1	11872	12606	12281	12253	3.00	cps
Zirconium	91-1	2917	2659	2909	2828	5.19	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:10:17	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	304068	306345	305659	305357	0.38	cps
Antimony	121-1	495262	512069	501852	503061	1.68	cps
Arsenic	75-2	74975	75256	74039	74756	0.85	cps
Barium	135-1	451961	456229	457517	455236	0.64	cps
Barium	137-1	787784	794886	797461	793377	0.63	cps
Beryllium	9-1	95186	96390	95555	95710	0.64	cps
Bismuth	209-1	6472095	6498921	6549453	6506823	0.60	cps
Bismuth	209-2	5118899	5097233	5162146	5126093	0.64	cps
Boron	10-1	14315	15633	15283	15077	4.53	cps
Boron	11-1	76405	80652	78532	78530	2.70	cps
Bromine	81-1	867	800	617	761	17.01	cps
Bromine	81-2	50	90	30	57	53.91	cps
Cadmium	111-1	117987	119994	120836	119606	1.22	cps
Cadmium	106-1	19146	19280	19313	19247	0.46	cps
Cadmium	108-1	9370	9641	9762	9591	2.09	cps
Calcium	43-1	105122	108463	108655	107413	1.85	cps
Calcium	44-1	1733823	1720294	1717713	1723944	0.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	281363	286940	283591	283965	0.99	cps
Cobalt	59-2	415068	419164	420519	418251	0.68	cps
Copper	63-2	3097112	3066934	3106662	3090236	0.67	cps
Dysprosium	156-1	25	17	17	19	24.73	cps
Dysprosium	156-2	37	47	40	41	12.39	cps
Erbium	164-1	75	75	67	72	6.66	cps
Erbium	164-2	50	47	40	46	11.18	cps
Gadolinium	160-1	100	58	50	69	38.57	cps
Gadolinium	160-2	210	230	223	221	4.61	cps
Holmium	165-1	8001542	8228487	8122115	8117381	1.40	cps
Holmium	165-2	6037881	6016817	6238348	6097682	2.01	cps
Indium	115-1	6493342	6541835	6609781	6548319	0.89	cps
Indium	115-2	2928263	2899227	2985455	2937648	1.49	cps
Iron	56-2	12736157	12948045	12938737	12874313	0.93	cps
Iron	57-2	317712	324618	317835	320055	1.23	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:10:17	DataFile Name :	007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	726224	736183	728343	730250	0.72	cps
Krypton	83-1	690	787	813	763	8.50	cps
Lead	206-1	1591001	1587313	1590860	1589724	0.13	cps
Lead	207-1	1377626	1399447	1388469	1388514	0.79	cps
Lead	208-1	6603017	6671537	6615091	6629882	0.55	cps
Lithium	6-1	1090519	1091698	1065270	1082496	1.38	cps
Magnesium	24-2	3047921	3047040	3043491	3046151	0.08	cps
Manganese	55-2	2031697	2014301	2044264	2030087	0.74	cps
Molybdenum	94-1	1313595	1364327	1395656	1357859	3.05	cps
Molybdenum	95-1	1974724	2057594	2084599	2038973	2.81	cps
Molybdenum	96-1	2099585	2181501	2160149	2147078	1.98	cps
Molybdenum	97-1	1213303	1223808	1242964	1226691	1.23	cps
Molybdenum	98-1	3149536	3198674	3200875	3183028	0.91	cps
Neodymium	150-1	47	20	27	31	44.61	cps
Neodymium	150-2	3	10	10	8	49.52	cps
Nickel	60-2	109426	108029	109916	109124	0.90	cps
Phosphorus	31-2	43838	45309	42334	43827	3.39	cps
Potassium	39-2	2035441	2057400	2013455	2035432	1.08	cps
Rhodium	103-1	6188490	6250424	6277583	6238832	0.73	cps
Rhodium	103-2	4992991	5030660	5043661	5022438	0.52	cps
Scandium	45-1	3974847	4043417	3982975	4000413	0.94	cps
Scandium	45-2	598824	609945	601258	603343	0.97	cps
Selenium	82-1	11845	11973	12158	11992	1.31	cps
Selenium	77-2	1760	1740	2023	1841	8.59	cps
Selenium	78-2	6079	6125	6337	6180	2.22	cps
Silicon	28-1	747570	760145	764094	757269	1.14	cps
Silver	107-1	491534	501757	515375	502889	2.38	cps
Silver	109-1	468475	479331	483687	477165	1.64	cps
Sodium	23-2	5218575	5223291	5068005	5169957	1.71	cps
Strontium	86-1	1145916	1182401	1202376	1176898	2.43	cps
Strontium	88-1	10141661	10360942	10544372	10348992	1.95	cps
Sulfur	34-1	2301783	2352088	2275143	2309671	1.69	cps
Terbium	159-1	8176501	8322473	8312916	8270630	0.99	cps
Terbium	159-2	6195659	6212483	6206343	6204828	0.14	cps
Thallium	203-1	386968	390281	389512	388920	0.45	cps
Thallium	205-1	917729	925764	912370	918621	0.73	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S3	Instrumnet Name :	P7
Client Sample ID :	S3	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:10:17	DataFile Name :	007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	1282330	1305194	1286191	1291238	0.95	cps
Tin	118-1	291813	297274	292940	294009	0.98	cps
Titanium	47-1	565730	572667	576051	571483	0.92	cps
Uranium	238-1	967697	986106	960712	971505	1.35	cps
Vanadium	51-2	238532	240406	245583	241507	1.51	cps
Yttrium	89-1	11745004	11880083	12115092	11913393	1.57	cps
Yttrium	89-2	4196445	4175529	4180468	4184147	0.26	cps
Zinc	66-2	712649	701203	700555	704802	0.97	cps
Zirconium	90-1	605613	623626	628797	619345	1.97	cps
Zirconium	91-1	135162	138273	138685	137374	1.40	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S4 Instrumnet Name : P7
 Client Sample ID : S4 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:13:06 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	759843	761380	740418	753880	1.55	cps
Antimony	121-1	1246406	1265403	1228482	1246764	1.48	cps
Arsenic	75-2	187768	188469	185075	187104	0.96	cps
Barium	135-1	1121043	1114485	1112245	1115924	0.41	cps
Barium	137-1	2012973	1975794	1953628	1980798	1.51	cps
Beryllium	9-1	234791	236961	236071	235941	0.46	cps
Bismuth	209-1	6048362	6294256	6481772	6274797	3.46	cps
Bismuth	209-2	5010135	5000312	4994797	5001748	0.16	cps
Boron	10-1	36644	37178	38423	37415	2.44	cps
Boron	11-1	188426	191750	192198	190791	1.08	cps
Bromine	81-1	800	758	625	728	12.56	cps
Bromine	81-2	70	50	70	63	18.23	cps
Cadmium	111-1	283699	286516	285770	285329	0.51	cps
Cadmium	106-1	38778	38293	38811	38627	0.75	cps
Cadmium	108-1	23444	23661	23836	23647	0.83	cps
Calcium	43-1	266114	263878	264521	264838	0.43	cps
Calcium	44-1	4208137	4176036	4175198	4186457	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	698638	684935	694138	692570	1.01	cps
Cobalt	59-2	1028628	1012533	1030764	1023975	0.97	cps
Copper	63-2	7506109	7563259	7512321	7527230	0.42	cps
Dysprosium	156-1	108	50	75	78	37.63	cps
Dysprosium	156-2	73	67	73	71	5.41	cps
Erbium	164-1	50	92	58	67	33.08	cps
Erbium	164-2	57	37	40	44	24.11	cps
Gadolinium	160-1	167	58	150	125	46.67	cps
Gadolinium	160-2	207	207	183	199	6.77	cps
Holmium	165-1	7704121	8060351	8018470	7927647	2.46	cps
Holmium	165-2	5989061	6021182	5984390	5998211	0.33	cps
Indium	115-1	6209046	6532998	6419033	6387026	2.57	cps
Indium	115-2	2925625	2882248	2951491	2919788	1.20	cps
Iron	56-2	32068413	30906235	31641556	31538735	1.86	cps
Iron	57-2	795189	770541	790999	785577	1.68	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:13:06	DataFile Name :	008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	1788222	1800706	1796810	1795246	0.36	cps
Krypton	83-1	827	657	730	738	11.56	cps
Lead	206-1	4152902	4097662	4171681	4140748	0.93	cps
Lead	207-1	3647820	3666922	3703068	3672603	0.76	cps
Lead	208-1	16664938	16553768	16806864	16675190	0.76	cps
Lithium	6-1	1007338	1025228	1037738	1023435	1.49	cps
Magnesium	24-2	7447997	7698044	7472630	7539557	1.83	cps
Manganese	55-2	4985482	4905249	4895731	4928821	1.00	cps
Molybdenum	94-1	3385328	3424153	3399331	3402937	0.58	cps
Molybdenum	95-1	5005886	5083479	5028016	5039127	0.79	cps
Molybdenum	96-1	5410126	5371997	5344923	5375682	0.61	cps
Molybdenum	97-1	3092078	3121560	3084465	3099368	0.63	cps
Molybdenum	98-1	8034574	8030835	7815219	7960209	1.58	cps
Neodymium	150-1	93	113	60	89	30.31	cps
Neodymium	150-2	10	27	13	17	52.93	cps
Nickel	60-2	268268	269540	267368	268392	0.41	cps
Phosphorus	31-2	106948	106377	106973	106766	0.32	cps
Potassium	39-2	4657984	4733699	4682150	4691278	0.82	cps
Rhodium	103-1	5846643	6224527	6105133	6058768	3.19	cps
Rhodium	103-2	5033257	4961936	4971253	4988815	0.78	cps
Scandium	45-1	3944450	4049275	4054474	4016067	1.55	cps
Scandium	45-2	607158	619080	611421	612553	0.99	cps
Selenium	82-1	29689	30080	30117	29962	0.79	cps
Selenium	77-2	4577	4551	4781	4636	2.71	cps
Selenium	78-2	15267	15443	15260	15323	0.68	cps
Silicon	28-1	1341462	1360015	1340689	1347389	0.81	cps
Silver	107-1	1229463	1241664	1245460	1238862	0.67	cps
Silver	109-1	1168381	1176041	1174667	1173030	0.35	cps
Sodium	23-2	12668379	12910277	12655776	12744811	1.13	cps
Strontium	86-1	2993757	2992617	3038313	3008229	0.87	cps
Strontium	88-1	25559679	25747240	25862935	25723285	0.59	cps
Sulfur	34-1	2294323	2226268	2205315	2241969	2.08	cps
Terbium	159-1	8020351	8333063	8266217	8206544	2.01	cps
Terbium	159-2	6092930	6140868	6103088	6112295	0.41	cps
Thallium	203-1	954241	941194	946735	947390	0.69	cps
Thallium	205-1	2392158	2325372	2386773	2368101	1.57	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S4	Instrumnet Name :	P7
Client Sample ID :	S4	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:13:06	DataFile Name :	008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	3580304	3597434	3647910	3608549	0.97	cps
Tin	118-1	723144	736424	713452	724340	1.59	cps
Titanium	47-1	1487172	1468774	1493333	1483093	0.86	cps
Uranium	238-1	2769399	2768636	2841771	2793269	1.50	cps
Vanadium	51-2	602301	595913	608639	602285	1.06	cps
Yttrium	89-1	11229323	11958968	11879479	11689257	3.42	cps
Yttrium	89-2	4275949	4170492	4235863	4227435	1.26	cps
Zinc	66-2	1782203	1832479	1805012	1806565	1.39	cps
Zirconium	90-1	1553087	1579538	1595608	1576078	1.36	cps
Zirconium	91-1	335419	338569	340128	338039	0.71	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S5 Instrumnet Name : P7
 Client Sample ID : S5 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:15:54 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1588879	1548403	1565302	1567528	1.30	cps
Antimony	121-1	2552880	2596941	2550907	2566909	1.01	cps
Arsenic	75-2	375801	376710	376137	376216	0.12	cps
Barium	135-1	2263347	2328419	2339397	2310388	1.78	cps
Barium	137-1	4025925	3992918	4040587	4019810	0.61	cps
Beryllium	9-1	473565	465524	470791	469960	0.87	cps
Bismuth	209-1	5557470	6166138	6443541	6055716	7.48	cps
Bismuth	209-2	4988907	5040396	4969593	4999632	0.73	cps
Boron	10-1	74379	75023	73666	74356	0.91	cps
Boron	11-1	376486	383448	385872	381936	1.28	cps
Bromine	81-1	833	850	867	850	1.96	cps
Bromine	81-2	100	130	100	110	15.75	cps
Cadmium	111-1	568424	573495	570493	570804	0.45	cps
Cadmium	106-1	71133	72314	71016	71488	1.00	cps
Cadmium	108-1	46771	47122	47661	47185	0.95	cps
Calcium	43-1	528735	530139	522390	527088	0.78	cps
Calcium	44-1	8265148	8083837	8178570	8175852	1.11	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1398741	1414598	1409974	1407771	0.58	cps
Cobalt	59-2	2186946	2087598	2109678	2128074	2.45	cps
Copper	63-2	15193420	14795495	15287472	15092129	1.73	cps
Dysprosium	156-1	142	192	108	147	28.49	cps
Dysprosium	156-2	137	133	120	130	6.79	cps
Erbium	164-1	133	33	50	72	74.19	cps
Erbium	164-2	67	33	60	53	33.08	cps
Gadolinium	160-1	100	167	92	119	34.42	cps
Gadolinium	160-2	197	237	283	239	18.16	cps
Holmium	165-1	7077158	7685458	8147946	7636854	7.03	cps
Holmium	165-2	5977470	6122845	5933759	6011358	1.65	cps
Indium	115-1	5591418	6240649	6494396	6108821	7.62	cps
Indium	115-2	2956862	2876228	2906975	2913355	1.40	cps
Iron	56-2	64591889	62468828	63153592	63404769	1.71	cps
Iron	57-2	1605253	1589167	1582559	1592326	0.73	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:15:54	DataFile Name :	009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	3592004	3526827	3544842	3554558	0.95	cps
Krypton	83-1	837	803	833	824	2.23	cps
Lead	206-1	8297554	8213302	8355073	8288643	0.86	cps
Lead	207-1	7259029	7280886	7407365	7315760	1.09	cps
Lead	208-1	33207366	33256484	33634222	33366024	0.70	cps
Lithium	6-1	928094	1018565	1026923	991194	5.53	cps
Magnesium	24-2	14767363	14906615	14974454	14882811	0.71	cps
Manganese	55-2	9942285	9815157	9971723	9909722	0.84	cps
Molybdenum	94-1	6805591	6734242	6798887	6779573	0.58	cps
Molybdenum	95-1	9961087	10091948	10024169	10025735	0.65	cps
Molybdenum	96-1	10568283	10836077	10918623	10774327	1.70	cps
Molybdenum	97-1	6169043	6200950	6201451	6190481	0.30	cps
Molybdenum	98-1	15919016	15883523	16124614	15975718	0.81	cps
Neodymium	150-1	167	187	147	167	12.00	cps
Neodymium	150-2	33	37	30	33	10.01	cps
Nickel	60-2	542293	536948	535712	538318	0.65	cps
Phosphorus	31-2	212181	210516	212326	211675	0.48	cps
Potassium	39-2	8980918	8879191	8983843	8947984	0.67	cps
Rhodium	103-1	5440704	5916911	6167488	5841701	6.32	cps
Rhodium	103-2	5024274	4949076	4935847	4969732	0.96	cps
Scandium	45-1	3524703	3946889	4086580	3852724	7.59	cps
Scandium	45-2	618622	612135	621475	617411	0.78	cps
Selenium	82-1	60587	60412	60503	60501	0.14	cps
Selenium	77-2	9053	9376	9140	9190	1.82	cps
Selenium	78-2	31110	30071	30214	30465	1.85	cps
Silicon	28-1	2062053	2069761	2087302	2073039	0.62	cps
Silver	107-1	2548473	2543792	2527497	2539921	0.43	cps
Silver	109-1	2411882	2374390	2381770	2389347	0.83	cps
Sodium	23-2	25418266	25228498	25557215	25401326	0.65	cps
Strontium	86-1	5901473	6043238	6126454	6023722	1.89	cps
Strontium	88-1	51798812	52202926	51911599	51971112	0.40	cps
Sulfur	34-1	2266254	2225315	2254350	2248640	0.94	cps
Terbium	159-1	7324288	7982328	8121709	7809442	5.45	cps
Terbium	159-2	6157654	6032599	6163381	6117878	1.21	cps
Thallium	203-1	1993419	1944739	2030569	1989576	2.16	cps
Thallium	205-1	4747100	4641353	4758017	4715490	1.37	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S5	Instrumnet Name :	P7
Client Sample ID :	S5	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:15:54	DataFile Name :	009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	7090425	7144663	7190315	7141801	0.70	cps
Tin	118-1	1446147	1488343	1468218	1467569	1.44	cps
Titanium	47-1	2938781	2990492	2925302	2951525	1.17	cps
Uranium	238-1	5595932	5531011	5510270	5545738	0.81	cps
Vanadium	51-2	1221216	1214604	1217605	1217808	0.27	cps
Yttrium	89-1	10372897	11530551	12030680	11311376	7.52	cps
Yttrium	89-2	4262142	4263935	4234004	4253360	0.39	cps
Zinc	66-2	3567989	3547534	3658585	3591369	1.65	cps
Zirconium	90-1	3118841	3145178	3162999	3142339	0.71	cps
Zirconium	91-1	679387	690286	687030	685567	0.82	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:18:42	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3098797	3053348	3046402	3066182	0.93	cps
Antimony	121-1	5107285	5133406	5119645	5120112	0.26	cps
Arsenic	75-2	757333	753679	755170	755394	0.24	cps
Barium	135-1	4644535	4620147	4688375	4651019	0.74	cps
Barium	137-1	7955188	7977725	7923124	7952012	0.35	cps
Beryllium	9-1	930867	937583	928690	932380	0.50	cps
Bismuth	209-1	5760012	6078707	6135461	5991393	3.38	cps
Bismuth	209-2	4966471	5138920	4838020	4981137	3.03	cps
Boron	10-1	146495	145848	145547	145963	0.33	cps
Boron	11-1	752186	766855	768692	762578	1.19	cps
Bromine	81-1	1017	667	942	875	21.06	cps
Bromine	81-2	90	150	110	117	26.19	cps
Cadmium	111-1	1123807	1142446	1135959	1134071	0.83	cps
Cadmium	106-1	135866	134158	136598	135541	0.92	cps
Cadmium	108-1	91432	94187	95936	93851	2.42	cps
Calcium	43-1	1031589	1038594	1062277	1044153	1.54	cps
Calcium	44-1	15898335	15957827	16338795	16064986	1.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2858312	2866244	2851002	2858519	0.27	cps
Cobalt	59-2	4179166	4115596	4193334	4162699	0.99	cps
Copper	63-2	30242220	30192544	30384430	30273065	0.33	cps
Dysprosium	156-1	350	275	258	294	16.59	cps
Dysprosium	156-2	317	293	317	309	4.36	cps
Erbium	164-1	125	83	67	92	32.77	cps
Erbium	164-2	67	47	57	57	17.65	cps
Gadolinium	160-1	117	192	167	158	24.12	cps
Gadolinium	160-2	277	327	283	296	9.19	cps
Holmium	165-1	7271505	7758317	8096685	7708836	5.38	cps
Holmium	165-2	5994189	6244448	5964050	6067562	2.54	cps
Indium	115-1	5767660	6171432	6357182	6098758	4.94	cps
Indium	115-2	2938434	3063109	2854647	2952063	3.55	cps
Iron	56-2	126569872	126721308	127192667	126827949	0.26	cps
Iron	57-2	3225406	3134657	3161623	3173895	1.47	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:18:42	DataFile Name :	010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	7091131	6970797	7055253	7039060	0.88	cps
Krypton	83-1	807	787	837	810	3.11	cps
Lead	206-1	16170703	16301607	16396515	16289608	0.70	cps
Lead	207-1	14348372	14621344	14544515	14504744	0.97	cps
Lead	208-1	65331522	65917915	65638799	65629412	0.45	cps
Lithium	6-1	993755	1054323	1036679	1028252	3.03	cps
Magnesium	24-2	29490929	28795614	29258653	29181732	1.21	cps
Manganese	55-2	19814336	19505400	19615055	19644930	0.80	cps
Molybdenum	94-1	13691903	13717143	13824647	13744564	0.51	cps
Molybdenum	95-1	20030308	20062736	20321730	20138258	0.79	cps
Molybdenum	96-1	21771962	21668630	21670278	21703623	0.27	cps
Molybdenum	97-1	12503389	12507640	12421991	12477673	0.39	cps
Molybdenum	98-1	31654041	32212294	32040523	31968953	0.89	cps
Neodymium	150-1	267	413	300	327	23.54	cps
Neodymium	150-2	70	67	77	71	7.16	cps
Nickel	60-2	1055757	1048369	1052875	1052334	0.35	cps
Phosphorus	31-2	421952	416809	415014	417925	0.86	cps
Potassium	39-2	17369815	17399644	17282550	17350670	0.35	cps
Rhodium	103-1	5628102	5904700	6130223	5887675	4.27	cps
Rhodium	103-2	5064925	5236884	4841981	5047930	3.92	cps
Scandium	45-1	3692128	3928306	4054769	3891734	4.73	cps
Scandium	45-2	626627	637926	600761	621771	3.06	cps
Selenium	82-1	121247	120786	121414	121149	0.27	cps
Selenium	77-2	18014	17691	18235	17980	1.52	cps
Selenium	78-2	60908	60631	60623	60721	0.27	cps
Silicon	28-1	3482667	3569614	3588258	3546846	1.59	cps
Silver	107-1	4979489	5108342	5115673	5067835	1.51	cps
Silver	109-1	4706629	4849972	4839835	4798812	1.67	cps
Sodium	23-2	50186085	49384398	49453979	49674820	0.89	cps
Strontium	86-1	12072814	11835509	12020757	11976360	1.04	cps
Strontium	88-1	104196475	102178061	103816344	103396960	1.04	cps
Sulfur	34-1	2465342	2417379	2426678	2436466	1.04	cps
Terbium	159-1	7622298	7832187	8079499	7844661	2.92	cps
Terbium	159-2	6330177	6349405	6099183	6259588	2.22	cps
Thallium	203-1	3875138	3980670	3993549	3949786	1.64	cps
Thallium	205-1	9296534	9312466	9345919	9318306	0.27	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S6	Instrumnet Name :	P7
Client Sample ID :	S6	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:18:42	DataFile Name :	010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	14110999	14402667	14137900	14217189	1.13	cps
Tin	118-1	2967718	2954230	2923802	2948583	0.76	cps
Titanium	47-1	5848261	5904632	5916800	5889897	0.62	cps
Uranium	238-1	10774013	11049770	11090304	10971362	1.57	cps
Vanadium	51-2	2534283	2507910	2496085	2512759	0.78	cps
Yttrium	89-1	11204462	11650762	12052737	11635987	3.65	cps
Yttrium	89-2	4398410	4495374	4164802	4352862	3.90	cps
Zinc	66-2	7186696	7177251	7144288	7169411	0.31	cps
Zirconium	90-1	6368622	6394452	6405548	6389541	0.30	cps
Zirconium	91-1	1420034	1407859	1423238	1417043	0.57	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S7 Instrumnet Name : P7
 Client Sample ID : S7 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:21:29 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5943748	6116119	6005566	6021811	1.45	cps
Antimony	121-1	10120134	10343595	10459630	10307786	1.67	cps
Arsenic	75-2	1559121	1576602	1535791	1557171	1.31	cps
Barium	135-1	9045063	9129913	9317886	9164287	1.52	cps
Barium	137-1	15585021	15886913	15941587	15804507	1.22	cps
Beryllium	9-1	1971702	1957091	1991215	1973336	0.87	cps
Bismuth	209-1	6110923	6260916	6448307	6273382	2.69	cps
Bismuth	209-2	4848800	5071676	4894108	4938195	2.39	cps
Boron	10-1	292171	292666	298982	294607	1.29	cps
Boron	11-1	1579414	1562755	1604930	1582366	1.34	cps
Bromine	81-1	967	1042	1075	1028	5.40	cps
Bromine	81-2	180	130	110	140	25.76	cps
Cadmium	111-1	2250523	2297454	2270183	2272720	1.04	cps
Cadmium	106-1	257071	263514	271230	263938	2.69	cps
Cadmium	108-1	183214	182306	185293	183604	0.83	cps
Calcium	43-1	2097310	2109643	2085298	2097417	0.58	cps
Calcium	44-1	32757304	32490014	32383361	32543560	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5537838	5542909	5524670	5535139	0.17	cps
Cobalt	59-2	8327839	8360454	8129132	8272475	1.51	cps
Copper	63-2	59441908	60366194	58226456	59344853	1.81	cps
Dysprosium	156-1	517	475	467	486	5.51	cps
Dysprosium	156-2	540	607	583	577	5.87	cps
Erbium	164-1	117	142	67	108	35.25	cps
Erbium	164-2	43	103	103	83	41.57	cps
Gadolinium	160-1	483	408	383	425	12.24	cps
Gadolinium	160-2	363	400	427	397	8.02	cps
Holmium	165-1	7881807	7912880	8180467	7991718	2.05	cps
Holmium	165-2	5943919	6132205	6010411	6028845	1.58	cps
Indium	115-1	6057053	6313458	6309153	6226554	2.36	cps
Indium	115-2	2877685	2847433	2847555	2857558	0.61	cps
Iron	56-2	255781383	252313545	253524061	253872996	0.69	cps
Iron	57-2	6316880	6316942	6187548	6273790	1.19	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:21:29	DataFile Name :	011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	14028335	14045543	14218749	14097542	0.75	cps
Krypton	83-1	747	817	867	810	7.44	cps
Lead	206-1	32443908	32537572	33107083	32696188	1.10	cps
Lead	207-1	28627166	28748155	29678305	29017875	1.98	cps
Lead	208-1	130132304	130135619	133567092	131278338	1.51	cps
Lithium	6-1	1009710	1064708	1039864	1038094	2.65	cps
Magnesium	24-2	57194976	58466740	57666060	57775925	1.11	cps
Manganese	55-2	39177624	38868861	39333927	39126804	0.60	cps
Molybdenum	94-1	27794998	27345350	27472291	27537546	0.84	cps
Molybdenum	95-1	40957995	40113528	40908052	40659858	1.17	cps
Molybdenum	96-1	43973125	43806772	44047638	43942512	0.28	cps
Molybdenum	97-1	25286226	24977588	25830946	25364920	1.70	cps
Molybdenum	98-1	64130262	63243116	64852360	64075246	1.26	cps
Neodymium	150-1	500	507	573	527	7.70	cps
Neodymium	150-2	137	137	117	130	8.88	cps
Nickel	60-2	2218656	2233744	2207779	2220060	0.59	cps
Phosphorus	31-2	822525	825015	823857	823799	0.15	cps
Potassium	39-2	34288881	34467134	34300447	34352154	0.29	cps
Rhodium	103-1	5942772	6062061	6269513	6091449	2.71	cps
Rhodium	103-2	4973078	4944076	4834332	4917162	1.49	cps
Scandium	45-1	4014170	4058665	4173341	4082059	2.01	cps
Scandium	45-2	602219	604487	604769	603825	0.23	cps
Selenium	82-1	240181	241780	243800	241921	0.75	cps
Selenium	77-2	36004	35670	36241	35971	0.80	cps
Selenium	78-2	120734	118906	119700	119780	0.77	cps
Silicon	28-1	6269221	6302177	6426728	6332709	1.31	cps
Silver	107-1	9893707	9772838	10049979	9905508	1.40	cps
Silver	109-1	9402466	9465420	9509300	9459062	0.57	cps
Sodium	23-2	98037933	99410691	97007274	98151966	1.23	cps
Strontium	86-1	23863947	23484927	24455790	23934888	2.04	cps
Strontium	88-1	203194834	203946205	209938826	205693288	1.80	cps
Sulfur	34-1	2955473	2924098	2976068	2951880	0.89	cps
Terbium	159-1	8094764	8216064	8306663	8205830	1.30	cps
Terbium	159-2	6211807	6107482	6330065	6216451	1.79	cps
Thallium	203-1	7786657	7836142	7988984	7870594	1.34	cps
Thallium	205-1	18733588	18371132	18658983	18587901	1.03	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S7	Instrumnet Name :	P7
Client Sample ID :	S7	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:21:29	DataFile Name :	011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	28237590	28977987	28911275	28708951	1.43	cps
Tin	118-1	5891700	5962446	5985483	5946543	0.82	cps
Titanium	47-1	12022681	11620169	12029350	11890733	1.97	cps
Uranium	238-1	22172155	22303154	22321043	22265451	0.37	cps
Vanadium	51-2	4946500	4953299	4924596	4941465	0.30	cps
Yttrium	89-1	11787552	11872763	11942568	11867628	0.65	cps
Yttrium	89-2	4271124	4265565	4168666	4235118	1.36	cps
Zinc	66-2	14139967	14317100	13893916	14116994	1.51	cps
Zirconium	90-1	12686565	12528575	12662428	12625856	0.67	cps
Zirconium	91-1	2785197	2746689	2794345	2775410	0.91	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S8 Instrumnet Name : P7
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:24:17 DataFile Name : 012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	32879575	32939288	32976704	32931856	0.15	cps
Antimony	121-1	9078	8178	9437	8897	7.29	cps
Arsenic	75-2	774	765	782	773	1.08	cps
Barium	135-1	3067	3084	3025	3059	0.98	cps
Barium	137-1	5243	5184	5209	5212	0.56	cps
Beryllium	9-1	687	653	590	643	7.63	cps
Bismuth	209-1	6006843	6023284	6138791	6056306	1.19	cps
Bismuth	209-2	4978251	4921580	4943766	4947866	0.58	cps
Boron	10-1	3992	3901	3367	3753	8.99	cps
Boron	11-1	19988	18478	18219	18895	5.06	cps
Bromine	81-1	1383	1625	1667	1558	9.82	cps
Bromine	81-2	130	110	130	123	9.36	cps
Cadmium	111-1	5144	5251	5231	5209	1.09	cps
Cadmium	106-1	6793	6835	6910	6846	0.86	cps
Cadmium	108-1	379	304	313	332	12.38	cps
Calcium	43-1	10527620	10536786	10985215	10683207	2.45	cps
Calcium	44-1	165642525	167872712	169824154	167779797	1.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14674	14834	15058	14855	1.30	cps
Cobalt	59-2	14123	14400	14450	14325	1.23	cps
Copper	63-2	-71660	-72723	-73749	-72711	-1.44	cps
Dysprosium	156-1	1867	1867	1900	1878	1.02	cps
Dysprosium	156-2	1160	1190	1170	1173	1.30	cps
Erbium	164-1	258	150	233	214	26.52	cps
Erbium	164-2	127	157	123	136	13.54	cps
Gadolinium	160-1	1217	1258	1342	1272	5.00	cps
Gadolinium	160-2	1280	1153	1220	1218	5.20	cps
Holmium	165-1	7860571	8163329	7961681	7995194	1.93	cps
Holmium	165-2	6215911	6090247	6158378	6154845	1.02	cps
Indium	115-1	6208724	6301614	6431378	6313905	1.77	cps
Indium	115-2	2916047	2921504	2941153	2926235	0.45	cps
Iron	56-2	1268056828	1253649850	1261757406	1261154695	0.57	cps
Iron	57-2	31196652	31345655	31534744	31359017	0.54	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : S8 Instrumnet Name : P7
 Client Sample ID : S8 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:24:17 DataFile Name : 012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	69469299	68944567	68778731	69064199	0.52	cps
Krypton	83-1	843	897	810	850	5.14	cps
Lead	206-1	22107	23393	22547	22682	2.88	cps
Lead	207-1	19570	20232	19670	19824	1.80	cps
Lead	208-1	89272	91264	89059	89865	1.35	cps
Lithium	6-1	1072228	1104954	1120706	1099296	2.25	cps
Magnesium	24-2	303131585	304059085	306352674	304514448	0.54	cps
Manganese	55-2	23639	23418	23592	23550	0.49	cps
Molybdenum	94-1	7219	6852	6427	6832	5.80	cps
Molybdenum	95-1	7202	6685	6410	6766	5.94	cps
Molybdenum	96-1	8052	7911	7560	7841	3.23	cps
Molybdenum	97-1	4292	3742	3984	4006	6.88	cps
Molybdenum	98-1	11513	10763	10179	10818	6.18	cps
Neodymium	150-1	107	67	93	89	22.91	cps
Neodymium	150-2	57	57	57	57	0.00	cps
Nickel	60-2	3977	3867	4117	3987	3.14	cps
Phosphorus	31-2	3000	3100	2967	3023	2.30	cps
Potassium	39-2	176759775	176635962	177702050	177032596	0.33	cps
Rhodium	103-1	6014794	6127328	5995635	6045919	1.18	cps
Rhodium	103-2	4871281	4880335	4910284	4887300	0.42	cps
Scandium	45-1	4197810	4296903	4399219	4297977	2.34	cps
Scandium	45-2	614302	620472	614532	616435	0.57	cps
Selenium	82-1	59	7	96	54	82.76	cps
Selenium	77-2	10	13	10	11	17.30	cps
Selenium	78-2	244	244	254	248	2.16	cps
Silicon	28-1	599221	617137	617858	611405	1.73	cps
Silver	107-1	3125	3209	3250	3195	1.99	cps
Silver	109-1	2917	2625	2959	2834	6.41	cps
Sodium	23-2	509900559	508828048	500966022	506564876	0.96	cps
Strontium	86-1	16535	16251	16735	16507	1.47	cps
Strontium	88-1	132318	133722	132058	132699	0.67	cps
Sulfur	34-1	2107895	2180963	2148834	2145897	1.71	cps
Terbium	159-1	8269973	8294420	8264941	8276445	0.19	cps
Terbium	159-2	6312151	6206625	6332956	6283911	1.08	cps
Thallium	203-1	2659	2267	2050	2325	13.26	cps
Thallium	205-1	5760	4976	4826	5187	9.67	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	S8	Instrumnet Name :	P7
Client Sample ID :	S8	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:24:17	DataFile Name :	012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	3539	3345	3339	3408	3.34	cps
Tin	118-1	2284	2175	2109	2189	4.04	cps
Titanium	47-1	2350	2450	2617	2472	5.45	cps
Uranium	238-1	646	518	292	485	36.97	cps
Vanadium	51-2	900	940	980	940	4.26	cps
Yttrium	89-1	11684899	11934791	12185239	11934976	2.10	cps
Yttrium	89-2	4315580	4287915	4339185	4314226	0.59	cps
Zinc	66-2	21816	21763	22150	21909	0.96	cps
Zirconium	90-1	6310	6168	6452	6310	2.25	cps
Zirconium	91-1	1425	1550	1633	1536	6.83	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : ICV06 Instrumnet Name : P7
 Client Sample ID : ICV06 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:43:23 DataFile Name : 013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	162675	161457	159020	161050	1.16	cps
Antimony	121-1	2140793	2116143	2129602	2128846	0.58	cps
Arsenic	75-2	317409	315633	316784	316609	0.28	cps
Barium	135-1	189323	187190	189175	188562	0.63	cps
Barium	137-1	327427	330943	330099	329490	0.56	cps
Beryllium	9-1	198282	199433	198461	198725	0.31	cps
Bismuth	209-1	6479525	6530202	6615635	6541787	1.05	cps
Bismuth	209-2	5190679	5105204	5072904	5122929	1.19	cps
Boron	10-1	152504	152695	151390	152196	0.46	cps
Boron	11-1	788862	796697	796920	794160	0.58	cps
Bromine	81-1	950	908	867	908	4.59	cps
Bromine	81-2	140	130	120	130	7.70	cps
Cadmium	111-1	250776	254459	255323	253519	0.95	cps
Cadmium	106-1	54871	53800	56586	55086	2.55	cps
Cadmium	108-1	29664	30528	30240	30144	1.46	cps
Calcium	43-1	48411	46213	46932	47185	2.38	cps
Calcium	44-1	818469	815187	825468	819708	0.64	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	592273	594870	604677	597273	1.10	cps
Cobalt	59-2	882312	887812	886958	885694	0.33	cps
Copper	63-2	627929	625879	625556	626455	0.21	cps
Dysprosium	156-1	25	8	8	14	69.31	cps
Dysprosium	156-2	23	7	17	16	53.90	cps
Erbium	164-1	58	33	33	42	34.64	cps
Erbium	164-2	43	37	47	42	12.06	cps
Gadolinium	160-1	42	67	58	56	22.91	cps
Gadolinium	160-2	147	217	197	187	19.32	cps
Holmium	165-1	8195622	8313126	8195870	8234873	0.82	cps
Holmium	165-2	6081459	6127649	6040130	6083079	0.72	cps
Indium	115-1	6821967	6807602	6747187	6792252	0.58	cps
Indium	115-2	3069637	3105716	2855849	3010401	4.49	cps
Iron	56-2	10451020	10615295	10544077	10536797	0.78	cps
Iron	57-2	260289	259957	263197	261148	0.68	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : ICV06 Instrumnet Name : P7
 Client Sample ID : ICV06 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 17:43:23 DataFile Name : 013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	594889	608213	610044	604382	1.37	cps
Krypton	83-1	773	793	793	787	1.47	cps
Lead	206-1	1375499	1374954	1391590	1380681	0.68	cps
Lead	207-1	1130795	1145460	1155144	1143800	1.07	cps
Lead	208-1	5537119	5656759	5660883	5618254	1.25	cps
Lithium	6-1	1140424	1112068	1128395	1126962	1.26	cps
Magnesium	24-2	701418	693214	703349	699327	0.77	cps
Manganese	55-2	407734	407814	412145	409231	0.62	cps
Molybdenum	94-1	7421842	7578010	7372245	7457366	1.44	cps
Molybdenum	95-1	9119542	9295679	9346881	9254034	1.29	cps
Molybdenum	96-1	10057133	10091529	10152158	10100273	0.48	cps
Molybdenum	97-1	5806177	5860421	5683869	5783489	1.56	cps
Molybdenum	98-1	14736233	14839250	14742787	14772757	0.39	cps
Neodymium	150-1	40	13	33	29	48.05	cps
Neodymium	150-2	0	3	7	3	100.05	cps
Nickel	60-2	231212	232358	235417	232996	0.93	cps
Phosphorus	31-2	3259	3017	3009	3095	4.59	cps
Potassium	39-2	1785808	1797478	1806505	1796597	0.58	cps
Rhodium	103-1	6546741	6585182	6467420	6533114	0.92	cps
Rhodium	103-2	5197741	5256991	5007238	5153990	2.53	cps
Scandium	45-1	4267894	4379571	4361101	4336188	1.38	cps
Scandium	45-2	629378	629042	605143	621188	2.24	cps
Selenium	82-1	51283	50979	51337	51200	0.38	cps
Selenium	77-2	7932	7709	7865	7835	1.46	cps
Selenium	78-2	25732	26043	25680	25818	0.76	cps
Silicon	28-1	3459335	3438064	3469156	3455518	0.46	cps
Silver	107-1	503771	521774	523848	516464	2.14	cps
Silver	109-1	485777	488069	478786	484211	1.00	cps
Sodium	23-2	2323106	2239736	2297167	2286669	1.87	cps
Strontium	86-1	1124148	1118535	1126143	1122942	0.35	cps
Strontium	88-1	9993981	10204638	10052812	10083810	1.08	cps
Sulfur	34-1	2312088	2218781	2167842	2232903	3.28	cps
Terbium	159-1	8276169	8561692	8489758	8442540	1.76	cps
Terbium	159-2	6488918	6351132	6065666	6301905	3.43	cps
Thallium	203-1	1653993	1673249	1783682	1703642	4.11	cps
Thallium	205-1	4198122	4186750	4217067	4200646	0.36	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICV06	Instrumnet Name :	P7
Client Sample ID :	ICV06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:43:23	DataFile Name :	013ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	711	628	667	669	6.24	cps
Tin	118-1	3062706	3044650	3052293	3053216	0.30	cps
Titanium	47-1	2790792	2772737	2790360	2784630	0.37	cps
Uranium	238-1	11436711	11515948	11331854	11428171	0.81	cps
Vanadium	51-2	504141	498109	504405	502218	0.71	cps
Yttrium	89-1	12318687	12505183	12447082	12423651	0.77	cps
Yttrium	89-2	4384113	4277253	4216105	4292490	1.98	cps
Zinc	66-2	293244	292052	291345	292213	0.33	cps
Zirconium	90-1	6158053	6120399	6072126	6116859	0.70	cps
Zirconium	91-1	1315797	1339069	1375894	1343587	2.26	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	LLICV1	Instrumnet Name :	P7
Client Sample ID :	LLICV1	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:59:34	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6602	6485	6613	6566	1.08	cps
Antimony	121-1	19113	18846	19772	19244	2.48	cps
Arsenic	75-2	1567	1509	1528	1535	1.91	cps
Barium	135-1	17202	16752	17461	17139	2.09	cps
Barium	137-1	29531	31177	29056	29921	3.72	cps
Beryllium	9-1	2214	2140	2107	2154	2.53	cps
Bismuth	209-1	6456923	6602149	6457422	6505498	1.29	cps
Bismuth	209-2	5075755	5100875	5100647	5092426	0.28	cps
Boron	10-1	7644	7760	7927	7777	1.83	cps
Boron	11-1	38816	39927	41289	40011	3.10	cps
Bromine	81-1	933	842	842	872	6.07	cps
Bromine	81-2	120	90	50	87	40.52	cps
Cadmium	111-1	6303	6443	6209	6318	1.87	cps
Cadmium	106-1	6168	6218	5868	6085	3.11	cps
Cadmium	108-1	283	258	225	256	11.45	cps
Calcium	43-1	11613	11380	10579	11191	4.85	cps
Calcium	44-1	255917	255825	260562	257435	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16773	16409	16489	16557	1.15	cps
Cobalt	59-2	8523	8953	8539	8671	2.81	cps
Copper	63-2	27162	27100	27334	27199	0.45	cps
Dysprosium	156-1	25	8	8	14	69.31	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	67	67	50	61	15.75	cps
Erbium	164-2	77	50	30	52	44.83	cps
Gadolinium	160-1	92	50	108	83	36.06	cps
Gadolinium	160-2	160	217	227	201	17.88	cps
Holmium	165-1	8135002	8210034	8057968	8134335	0.93	cps
Holmium	165-2	6129231	6193702	6206208	6176380	0.67	cps
Indium	115-1	6695809	6813819	6581267	6696965	1.74	cps
Indium	115-2	3144568	3112324	3124316	3127069	0.52	cps
Iron	56-2	267344	267006	269459	267936	0.50	cps
Iron	57-2	8764	8714	8931	8803	1.29	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	LLICV1	Instrumnet Name :	P7
Client Sample ID :	LLICV1	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:59:34	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	19543	19262	18601	19135	2.53	cps
Krypton	83-1	770	830	823	808	4.07	cps
Lead	206-1	6863	7080	7046	6996	1.67	cps
Lead	207-1	5879	6190	5940	6003	2.75	cps
Lead	208-1	27762	28562	28262	28195	1.43	cps
Lithium	6-1	1160317	1120571	1106177	1129021	2.48	cps
Magnesium	24-2	292956	289763	287737	290152	0.91	cps
Manganese	55-2	4447	4541	4374	4454	1.88	cps
Molybdenum	94-1	14574	14691	14007	14424	2.54	cps
Molybdenum	95-1	17870	17795	17870	17845	0.24	cps
Molybdenum	96-1	19438	20632	19213	19761	3.86	cps
Molybdenum	97-1	11355	11363	11388	11369	0.15	cps
Molybdenum	98-1	27810	28829	29823	28821	3.49	cps
Neodymium	150-1	13	0	20	11	91.66	cps
Neodymium	150-2	3	0	0	1	173.21	cps
Nickel	60-2	2484	2717	2787	2662	5.97	cps
Phosphorus	31-2	3959	3734	4034	3909	4.00	cps
Potassium	39-2	667508	668189	668909	668202	0.10	cps
Rhodium	103-1	6440506	6543039	6580726	6521424	1.11	cps
Rhodium	103-2	5257710	5232779	5221988	5237492	0.35	cps
Scandium	45-1	4099964	4248820	4305339	4218041	2.52	cps
Scandium	45-2	637739	643352	637657	639582	0.51	cps
Selenium	82-1	1147	1201	1173	1174	2.28	cps
Selenium	77-2	210	187	180	192	8.19	cps
Selenium	78-2	817	798	839	818	2.49	cps
Silicon	28-1	547415	545958	543954	545776	0.32	cps
Silver	107-1	9703	9870	9854	9809	0.94	cps
Silver	109-1	8945	9228	8953	9042	1.78	cps
Sodium	23-2	615646	616045	620310	617334	0.42	cps
Strontium	86-1	3576	3626	3717	3639	1.97	cps
Strontium	88-1	21191	20473	21099	20921	1.87	cps
Sulfur	34-1	2395805	2426254	2418371	2413476	0.65	cps
Terbium	159-1	8229170	8348517	8326754	8301480	0.77	cps
Terbium	159-2	6262655	6310724	6400384	6324588	1.11	cps
Thallium	203-1	7452	7677	7244	7458	2.91	cps
Thallium	205-1	17111	18797	17537	17815	4.92	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	LLICV1	Instrumnet Name :	P7
Client Sample ID :	LLICV1	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 17:59:34	DataFile Name :	014LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	22675	23343	23315	23111	1.63	cps
Tin	118-1	28378	28404	29364	28715	1.96	cps
Titanium	47-1	6151	5876	5918	5982	2.48	cps
Uranium	238-1	19624	19376	18751	19251	2.34	cps
Vanadium	51-2	23555	23999	23799	23784	0.93	cps
Yttrium	89-1	12309526	12613379	12379429	12434111	1.28	cps
Yttrium	89-2	4445017	4392052	4415120	4417396	0.60	cps
Zinc	66-2	3737	3337	3497	3524	5.72	cps
Zirconium	90-1	12239	13315	12489	12681	4.44	cps
Zirconium	91-1	2942	2684	2517	2714	7.89	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : ICB06 Instrumnet Name : P7
 Client Sample ID : ICB06 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:18:41 DataFile Name : 017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	539	489	456	494	8.48	cps
Antimony	121-1	117	117	117	117	0.00	cps
Arsenic	75-2	26	31	52	36	37.47	cps
Barium	135-1	125	83	58	89	37.89	cps
Barium	137-1	92	75	108	92	18.18	cps
Beryllium	9-1	97	67	117	93	26.96	cps
Bismuth	209-1	6423728	6315422	6428639	6389263	1.00	cps
Bismuth	209-2	5028033	4979229	5130761	5046008	1.53	cps
Boron	10-1	217	275	317	269	18.64	cps
Boron	11-1	1475	1200	1433	1370	10.82	cps
Bromine	81-1	833	733	750	772	6.94	cps
Bromine	81-2	100	110	80	97	15.81	cps
Cadmium	111-1	3865	4066	3761	3898	3.98	cps
Cadmium	106-1	5510	5826	5401	5579	3.96	cps
Cadmium	108-1	42	71	88	67	34.80	cps
Calcium	43-1	1058	1067	1208	1111	7.59	cps
Calcium	44-1	100885	99392	99216	99831	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5881	5838	5811	5843	0.60	cps
Cobalt	59-2	73	113	127	104	26.58	cps
Copper	63-2	12859	13135	13129	13041	1.21	cps
Dysprosium	156-1	8	17	8	11	43.34	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	42	33	50	42	20.00	cps
Erbium	164-2	40	63	50	51	22.90	cps
Gadolinium	160-1	75	108	75	86	22.35	cps
Gadolinium	160-2	227	153	127	169	30.66	cps
Holmium	165-1	7903729	8031680	8008118	7981176	0.85	cps
Holmium	165-2	6082012	6053875	6082698	6072862	0.27	cps
Indium	115-1	6635743	6816429	6828141	6760104	1.60	cps
Indium	115-2	3154957	3154614	3074894	3128155	1.47	cps
Iron	56-2	18328	17555	17594	17826	2.44	cps
Iron	57-2	2367	2361	2356	2361	0.24	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : ICB06 Instrumnet Name : P7
 Client Sample ID : ICB06 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:18:41 DataFile Name : 017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	5236	5647	4946	5276	6.68	cps
Krypton	83-1	783	773	783	780	0.74	cps
Lead	206-1	967	900	878	915	5.06	cps
Lead	207-1	800	883	761	815	7.66	cps
Lead	208-1	3900	3850	3634	3795	3.74	cps
Lithium	6-1	1082244	1063211	1051299	1065585	1.46	cps
Magnesium	24-2	1050	1006	956	1004	4.71	cps
Manganese	55-2	460	383	407	417	9.43	cps
Molybdenum	94-1	358	308	400	356	12.91	cps
Molybdenum	95-1	150	133	150	144	6.66	cps
Molybdenum	96-1	267	142	192	200	31.46	cps
Molybdenum	97-1	150	100	42	97	55.77	cps
Molybdenum	98-1	317	225	200	247	24.85	cps
Neodymium	150-1	7	0	13	7	99.98	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	407	377	433	406	6.99	cps
Phosphorus	31-2	2659	2850	3025	2845	6.45	cps
Potassium	39-2	296200	293636	293464	294433	0.52	cps
Rhodium	103-1	6421628	6649046	6353992	6474889	2.39	cps
Rhodium	103-2	5334259	5353751	5238919	5308977	1.16	cps
Scandium	45-1	4077401	4110236	4016440	4068026	1.17	cps
Scandium	45-2	635747	630249	630493	632163	0.49	cps
Selenium	82-1	34	45	20	33	37.46	cps
Selenium	77-2	0	7	0	2	173.21	cps
Selenium	78-2	259	233	230	241	6.71	cps
Silicon	28-1	465555	463123	461507	463395	0.44	cps
Silver	107-1	108	183	117	136	30.20	cps
Silver	109-1	33	100	33	56	69.29	cps
Sodium	23-2	98032	99169	98397	98532	0.59	cps
Strontium	86-1	1267	1392	1458	1372	7.09	cps
Strontium	88-1	633	558	692	628	10.65	cps
Sulfur	34-1	2027524	2026532	2011691	2021916	0.44	cps
Terbium	159-1	8270987	8276902	8372983	8306957	0.69	cps
Terbium	159-2	6238358	6189857	6318986	6249067	1.04	cps
Thallium	203-1	325	392	383	367	9.91	cps
Thallium	205-1	1333	1058	917	1103	19.21	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICB06	Instrumnet Name :	P7
Client Sample ID :	ICB06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:18:41	DataFile Name :	017CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	78	56	61	65	17.84	cps
Tin	118-1	542	450	508	500	9.28	cps
Titanium	47-1	533	567	517	539	4.72	cps
Uranium	238-1	-90	-87	-75	-84	-9.59	cps
Vanadium	51-2	50	63	37	50	26.66	cps
Yttrium	89-1	11904991	12077842	12288708	12090514	1.59	cps
Yttrium	89-2	4444153	4460097	4392166	4432139	0.80	cps
Zinc	66-2	587	583	573	581	1.19	cps
Zirconium	90-1	642	417	742	600	27.74	cps
Zirconium	91-1	142	133	142	139	3.46	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSA06	Instrumnet Name :	P7
Client Sample ID :	ICSA06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:24:52	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	27702549	27487233	27205285	27465022	0.91	cps
Antimony	121-1	10963	10212	10562	10579	3.55	cps
Arsenic	75-2	639	535	591	588	8.82	cps
Barium	135-1	2334	2550	2584	2489	5.45	cps
Barium	137-1	4217	4117	4534	4290	5.07	cps
Beryllium	9-1	500	530	567	532	6.27	cps
Bismuth	209-1	5151906	5827714	5898683	5626101	7.33	cps
Bismuth	209-2	4682388	4571522	4630753	4628221	1.20	cps
Boron	10-1	375	475	375	408	14.14	cps
Boron	11-1	2067	1975	1992	2011	2.43	cps
Bromine	81-1	1258	1342	1417	1339	5.92	cps
Bromine	81-2	250	220	250	240	7.22	cps
Cadmium	111-1	4647	5195	5323	5055	7.10	cps
Cadmium	106-1	4784	5493	5701	5326	9.03	cps
Cadmium	108-1	3021	3096	3009	3042	1.56	cps
Calcium	43-1	1882382	1801897	1842725	1842334	2.18	cps
Calcium	44-1	29564170	28937931	29378391	29293498	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	111529	111640	111260	111476	0.18	cps
Cobalt	59-2	9877	9913	10063	9951	0.99	cps
Copper	63-2	60310	61204	61981	61165	1.37	cps
Dysprosium	156-1	50	33	8	31	68.64	cps
Dysprosium	156-2	13	20	33	22	45.83	cps
Erbium	164-1	83	108	50	81	36.33	cps
Erbium	164-2	40	70	50	53	28.64	cps
Gadolinium	160-1	83	125	100	103	20.40	cps
Gadolinium	160-2	183	170	183	179	4.31	cps
Holmium	165-1	6673556	7669064	7825361	7389327	8.46	cps
Holmium	165-2	5910960	5746560	5941651	5866390	1.79	cps
Indium	115-1	5299086	6080424	6114752	5831421	7.91	cps
Indium	115-2	2735855	2790470	2805846	2777390	1.32	cps
Iron	56-2	481810933	482342122	478256233	480803096	0.46	cps
Iron	57-2	12097349	11915618	11916485	11976484	0.87	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSA06	Instrumnet Name :	P7
Client Sample ID :	ICSA06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:24:52	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	26451690	26086213	26262967	26266957	0.70	cps
Krypton	83-1	670	837	813	773	11.67	cps
Lead	206-1	26392	26793	27328	26838	1.75	cps
Lead	207-1	21150	20922	21523	21198	1.43	cps
Lead	208-1	100535	100925	101034	100831	0.26	cps
Lithium	6-1	804995	919444	909738	878059	7.23	cps
Magnesium	24-2	54836586	53088061	53096971	53673872	1.88	cps
Manganese	55-2	29035	28120	28754	28636	1.64	cps
Molybdenum	94-1	3881181	3854799	3906373	3880784	0.66	cps
Molybdenum	95-1	6814318	6896947	6866730	6859331	0.61	cps
Molybdenum	96-1	7208233	7110041	7256642	7191638	1.04	cps
Molybdenum	97-1	4253769	4238462	4192737	4228323	0.75	cps
Molybdenum	98-1	10970226	10947081	10899141	10938816	0.33	cps
Neodymium	150-1	33	40	27	33	20.00	cps
Neodymium	150-2	17	20	23	20	16.65	cps
Nickel	60-2	11164	11655	11414	11411	2.15	cps
Phosphorus	31-2	3913382	3895697	3865182	3891420	0.63	cps
Potassium	39-2	64141920	63253216	63473643	63622926	0.73	cps
Rhodium	103-1	5120157	5920385	5867416	5635986	7.94	cps
Rhodium	103-2	4843894	4818699	4869755	4844116	0.53	cps
Scandium	45-1	3325858	3787241	3899017	3670706	8.28	cps
Scandium	45-2	597323	588442	590704	592156	0.78	cps
Selenium	82-1	158	-82	-37	13	977.53	cps
Selenium	77-2	23	77	30	43	67.07	cps
Selenium	78-2	235	230	220	228	3.28	cps
Silicon	28-1	1156279	1156648	861920	1058282	16.07	cps
Silver	107-1	508	717	1067	764	36.94	cps
Silver	109-1	367	550	817	578	39.17	cps
Sodium	23-2	95750231	95195537	95619742	95521837	0.30	cps
Strontium	86-1	76365	74640	74556	75187	1.36	cps
Strontium	88-1	636400	634479	638963	636614	0.35	cps
Sulfur	34-1	6580073	6537970	6520827	6546290	0.47	cps
Terbium	159-1	6995597	7876689	7904422	7592236	6.81	cps
Terbium	159-2	5974034	5919205	6021202	5971480	0.85	cps
Thallium	203-1	550	533	375	486	19.87	cps
Thallium	205-1	1217	1075	975	1089	11.15	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSA06	Instrumnet Name :	P7
Client Sample ID :	ICSA06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:24:52	DataFile Name :	018ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	83	78	106	89	16.54	cps
Tin	118-1	1133	1175	1467	1258	14.43	cps
Titanium	47-1	2223199	2117670	2174836	2171901	2.43	cps
Uranium	238-1	-2300	-2277	-2284	-2287	-0.50	cps
Vanadium	51-2	1037	977	1050	1021	3.83	cps
Yttrium	89-1	9768680	11187508	11484465	10813551	8.48	cps
Yttrium	89-2	4098453	4178170	4151859	4142827	0.98	cps
Zinc	66-2	15518	15555	16296	15790	2.78	cps
Zirconium	90-1	600	675	792	689	14.02	cps
Zirconium	91-1	117	200	150	156	26.96	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : ICSAB06 Instrumnet Name : P7
 Client Sample ID : ICSAB06 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:31:30 DataFile Name : 019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	26964370	26831160	26976639	26924057	0.30	cps
Antimony	121-1	201078	203276	200751	201702	0.68	cps
Arsenic	75-2	29746	29416	29312	29492	0.77	cps
Barium	135-1	36581	36757	35729	36355	1.51	cps
Barium	137-1	62623	62061	64053	62912	1.63	cps
Beryllium	9-1	34465	34321	33737	34174	1.13	cps
Bismuth	209-1	5773353	5907944	5891815	5857704	1.25	cps
Bismuth	209-2	4663907	4572771	4564529	4600402	1.20	cps
Boron	10-1	14507	14407	14065	14326	1.62	cps
Boron	11-1	75191	72813	74773	74259	1.71	cps
Bromine	81-1	1167	1392	1425	1328	10.58	cps
Bromine	81-2	260	290	180	244	23.37	cps
Cadmium	111-1	47428	47995	47980	47801	0.68	cps
Cadmium	106-1	11930	11980	11597	11836	1.76	cps
Cadmium	108-1	6735	6656	6514	6635	1.69	cps
Calcium	43-1	1834330	1880094	1789578	1834667	2.47	cps
Calcium	44-1	29325403	29548873	28701663	29191979	1.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	213263	211987	211627	212292	0.40	cps
Cobalt	59-2	166925	166693	166999	166872	0.10	cps
Copper	63-2	177378	176166	174904	176149	0.70	cps
Dysprosium	156-1	50	75	50	58	24.74	cps
Dysprosium	156-2	43	17	23	28	49.95	cps
Erbium	164-1	42	75	58	58	28.57	cps
Erbium	164-2	53	40	47	47	14.28	cps
Gadolinium	160-1	108	117	117	114	4.22	cps
Gadolinium	160-2	247	210	147	201	25.15	cps
Holmium	165-1	7570870	7797777	7833730	7734126	1.84	cps
Holmium	165-2	5822774	5943386	5838006	5868055	1.12	cps
Indium	115-1	6126932	6154139	6188793	6156622	0.50	cps
Indium	115-2	2803994	2758888	2731671	2764851	1.32	cps
Iron	56-2	468655699	474888477	470771111	471438429	0.67	cps
Iron	57-2	11892555	11924803	11728528	11848629	0.89	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : ICSAB06 Instrumnet Name : P7
 Client Sample ID : ICSAB06 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:31:30 DataFile Name : 019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	25608672	25993122	25556636	25719477	0.93	cps
Krypton	83-1	723	667	730	707	4.92	cps
Lead	206-1	146351	145554	142809	144904	1.28	cps
Lead	207-1	119667	120110	120944	120241	0.54	cps
Lead	208-1	557474	554291	553134	554967	0.40	cps
Lithium	6-1	926193	867218	907597	900336	3.35	cps
Magnesium	24-2	52848305	51814901	52663560	52442255	1.05	cps
Manganese	55-2	97765	98127	99124	98339	0.72	cps
Molybdenum	94-1	4166558	4217376	4187682	4190539	0.61	cps
Molybdenum	95-1	6974701	7062528	7033877	7023702	0.64	cps
Molybdenum	96-1	7337588	7372307	7241416	7317104	0.93	cps
Molybdenum	97-1	4388620	4372004	4247659	4336094	1.78	cps
Molybdenum	98-1	11091791	11013262	10905114	11003389	0.85	cps
Neodymium	150-1	40	47	40	42	9.12	cps
Neodymium	150-2	20	30	20	23	24.74	cps
Nickel	60-2	52936	53291	52445	52891	0.80	cps
Phosphorus	31-2	3850043	3807576	3825628	3827749	0.56	cps
Potassium	39-2	62550656	62304878	62560558	62472031	0.23	cps
Rhodium	103-1	5876101	5821536	5793534	5830390	0.72	cps
Rhodium	103-2	4987061	4821226	4772082	4860123	2.32	cps
Scandium	45-1	3757812	3822094	3767398	3782435	0.92	cps
Scandium	45-2	592490	581845	581524	585286	1.07	cps
Selenium	82-1	4385	4638	4376	4466	3.33	cps
Selenium	77-2	650	663	727	680	6.02	cps
Selenium	78-2	2452	2509	2469	2477	1.19	cps
Silicon	28-1	1362743	1393191	1369495	1375143	1.16	cps
Silver	107-1	178681	177740	174963	177128	1.09	cps
Silver	109-1	168421	166315	170638	168458	1.28	cps
Sodium	23-2	94838098	92409139	93233984	93493740	1.32	cps
Strontium	86-1	182895	180821	181865	181860	0.57	cps
Strontium	88-1	1670620	1597987	1618245	1628950	2.30	cps
Sulfur	34-1	6461025	6497057	6312877	6423653	1.52	cps
Terbium	159-1	7841989	8107214	7727017	7892073	2.47	cps
Terbium	159-2	6046776	5965228	6009898	6007301	0.68	cps
Thallium	203-1	143206	142819	141538	142521	0.61	cps
Thallium	205-1	342135	333322	333627	336362	1.49	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	ICSAB06	Instrumnet Name :	P7
Client Sample ID :	ICSAB06	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:31:30	DataFile Name :	019ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	144	178	122	148	18.87	cps
Tin	118-1	283409	285454	279915	282926	0.99	cps
Titanium	47-1	2178032	2158385	2172925	2169781	0.47	cps
Uranium	238-1	962451	988061	986783	979098	1.47	cps
Vanadium	51-2	93219	89835	92343	91799	1.91	cps
Yttrium	89-1	11188405	11204625	11353300	11248777	0.81	cps
Yttrium	89-2	4200764	4084939	4070919	4118874	1.73	cps
Zinc	66-2	42634	42627	42387	42549	0.33	cps
Zirconium	90-1	565671	557565	563326	562187	0.74	cps
Zirconium	91-1	125478	125479	123831	124930	0.76	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV22	Instrumnet Name :	P7
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:34:23	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15736122	15606091	15581743	15641319	0.53	cps
Antimony	121-1	5125494	5250177	5187154	5187608	1.20	cps
Arsenic	75-2	779835	778308	773228	777124	0.45	cps
Barium	135-1	4521869	4620927	4509076	4550624	1.35	cps
Barium	137-1	7842393	8124489	8015994	7994292	1.78	cps
Beryllium	9-1	877809	883022	908271	889701	1.83	cps
Bismuth	209-1	6131860	6233194	6267721	6210925	1.14	cps
Bismuth	209-2	4832879	4888302	4861766	4860982	0.57	cps
Boron	10-1	136943	142188	143888	141006	2.57	cps
Boron	11-1	712459	731276	743870	729202	2.17	cps
Bromine	81-1	958	1250	1158	1122	13.29	cps
Bromine	81-2	170	160	180	170	5.88	cps
Cadmium	111-1	1092768	1119767	1131735	1114756	1.79	cps
Cadmium	106-1	132612	137953	136959	135841	2.09	cps
Cadmium	108-1	89336	91985	92925	91415	2.04	cps
Calcium	43-1	4778092	4948414	5003517	4910008	2.39	cps
Calcium	44-1	74745352	77713937	78747562	77068950	2.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2835896	2838575	2839695	2838055	0.07	cps
Cobalt	59-2	4107072	4169802	4174426	4150434	0.91	cps
Copper	63-2	31146490	31157328	31011789	31105203	0.26	cps
Dysprosium	156-1	1058	1042	1167	1089	6.23	cps
Dysprosium	156-2	730	697	730	719	2.68	cps
Erbium	164-1	100	175	92	122	37.55	cps
Erbium	164-2	107	87	113	102	13.58	cps
Gadolinium	160-1	633	683	542	619	11.60	cps
Gadolinium	160-2	623	680	660	654	4.39	cps
Holmium	165-1	7990447	8100040	8161004	8083830	1.07	cps
Holmium	165-2	6094861	6164650	6140345	6133285	0.58	cps
Indium	115-1	6209353	6343695	6333950	6295666	1.19	cps
Indium	115-2	2889971	2863631	2889877	2881160	0.53	cps
Iron	56-2	626390058	618677636	619655147	621574281	0.68	cps
Iron	57-2	15460250	15297013	15717134	15491466	1.37	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV22	Instrumnet Name :	P7
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:34:23	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	34580397	34596006	34462728	34546377	0.21	cps
Krypton	83-1	777	767	780	774	0.90	cps
Lead	206-1	16301882	16424451	16575380	16433904	0.83	cps
Lead	207-1	14348351	14426876	14819691	14531639	1.74	cps
Lead	208-1	65401808	65695066	66989527	66028800	1.28	cps
Lithium	6-1	942144	990746	994109	975667	2.98	cps
Magnesium	24-2	147522314	149814926	147417764	148251668	0.91	cps
Manganese	55-2	20080866	19873334	19876461	19943554	0.60	cps
Molybdenum	94-1	13491250	13604912	13575797	13557319	0.44	cps
Molybdenum	95-1	19632061	20199747	20609455	20147087	2.44	cps
Molybdenum	96-1	21099616	21352702	21747927	21400081	1.53	cps
Molybdenum	97-1	12301622	12400881	12705318	12469274	1.69	cps
Molybdenum	98-1	31645560	32306442	32563735	32171913	1.47	cps
Neodymium	150-1	273	253	267	264	3.85	cps
Neodymium	150-2	77	73	73	74	2.59	cps
Nickel	60-2	1097457	1098544	1091970	1095991	0.32	cps
Phosphorus	31-2	413805	406171	409953	409976	0.93	cps
Potassium	39-2	86075373	83769958	85762544	85202625	1.47	cps
Rhodium	103-1	5910472	6010198	6179682	6033451	2.26	cps
Rhodium	103-2	4866123	4978113	4936619	4926952	1.15	cps
Scandium	45-1	3820006	4013932	4108106	3980681	3.69	cps
Scandium	45-2	616030	602895	610182	609702	1.08	cps
Selenium	82-1	129074	131916	132407	131132	1.37	cps
Selenium	77-2	20154	19863	20044	20020	0.73	cps
Selenium	78-2	66018	66093	65313	65808	0.65	cps
Silicon	28-1	3307657	3444747	3452625	3401677	2.40	cps
Silver	107-1	4932709	5069982	5061490	5021394	1.53	cps
Silver	109-1	4640181	4716166	4695018	4683788	0.84	cps
Sodium	23-2	246173918	247523366	251683318	248460201	1.16	cps
Strontium	86-1	11669078	11838400	11771788	11759755	0.73	cps
Strontium	88-1	100297504	102093200	103044252	101811652	1.37	cps
Sulfur	34-1	2429191	2481638	2454799	2455209	1.07	cps
Terbium	159-1	8086653	8556172	8277953	8306926	2.84	cps
Terbium	159-2	6185801	6178272	6248760	6204278	0.62	cps
Thallium	203-1	3889863	3919640	3978742	3929415	1.15	cps
Thallium	205-1	9209629	9411464	9496263	9372452	1.57	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV22	Instrumnet Name :	P7
Client Sample ID :	CCV22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:34:23	DataFile Name :	020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	14093661	14319782	14157899	14190447	0.82	cps
Tin	118-1	2987823	3006544	2999656	2998008	0.32	cps
Titanium	47-1	5558394	5788666	5947190	5764750	3.39	cps
Uranium	238-1	10765172	10999200	10833943	10866105	1.11	cps
Vanadium	51-2	2512540	2492305	2554547	2519797	1.26	cps
Yttrium	89-1	11795866	11948224	11981269	11908453	0.83	cps
Yttrium	89-2	4292610	4310803	4334278	4312564	0.48	cps
Zinc	66-2	7512694	7422081	7509615	7481463	0.69	cps
Zirconium	90-1	6234405	6310978	6276110	6273831	0.61	cps
Zirconium	91-1	1372348	1399328	1402677	1391451	1.20	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : CCB22 Instrumnet Name : P7
 Client Sample ID : CCB22 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:45:56 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	633	478	583	565	14.06	cps
Antimony	121-1	400	550	433	461	17.08	cps
Arsenic	75-2	41	44	41	42	5.09	cps
Barium	135-1	117	192	108	139	33.05	cps
Barium	137-1	200	183	183	189	5.10	cps
Beryllium	9-1	113	127	113	118	6.54	cps
Bismuth	209-1	6640152	6530285	6490513	6553650	1.18	cps
Bismuth	209-2	5113633	5022373	5201002	5112336	1.75	cps
Boron	10-1	342	350	308	333	6.61	cps
Boron	11-1	1967	1925	1917	1936	1.38	cps
Bromine	81-1	900	900	775	858	8.41	cps
Bromine	81-2	180	130	90	133	33.82	cps
Cadmium	111-1	4269	3735	4129	4045	6.84	cps
Cadmium	106-1	6110	5334	5910	5785	6.96	cps
Cadmium	108-1	71	46	58	58	21.43	cps
Calcium	43-1	775	1250	1100	1042	23.31	cps
Calcium	44-1	97379	97949	98268	97865	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5754	5858	5701	5771	1.38	cps
Cobalt	59-2	177	133	127	146	18.65	cps
Copper	63-2	12224	12201	12285	12237	0.35	cps
Dysprosium	156-1	8	8	8	8	0.00	cps
Dysprosium	156-2	0	7	0	2	173.21	cps
Erbium	164-1	83	42	67	64	32.83	cps
Erbium	164-2	37	63	57	52	26.57	cps
Gadolinium	160-1	83	58	33	58	42.86	cps
Gadolinium	160-2	210	213	200	208	3.34	cps
Holmium	165-1	8352167	8328911	8226714	8302597	0.80	cps
Holmium	165-2	6095204	6100388	6182932	6126175	0.80	cps
Indium	115-1	7034273	6764535	6852184	6883664	2.00	cps
Indium	115-2	3145101	3113169	3118791	3125687	0.55	cps
Iron	56-2	23213	22473	21827	22504	3.08	cps
Iron	57-2	2461	2600	2628	2563	3.48	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : CCB22 Instrumnet Name : P7
 Client Sample ID : CCB22 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:45:56 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	5657	5567	5367	5530	2.69	cps
Krypton	83-1	800	773	807	793	2.22	cps
Lead	206-1	1667	1339	1483	1496	10.98	cps
Lead	207-1	1350	1422	1372	1382	2.68	cps
Lead	208-1	6384	5967	6090	6147	3.49	cps
Lithium	6-1	1104092	1032794	1048734	1061873	3.52	cps
Magnesium	24-2	1811	1717	1811	1780	3.06	cps
Manganese	55-2	530	510	527	522	2.05	cps
Molybdenum	94-1	458	425	433	439	3.95	cps
Molybdenum	95-1	242	208	275	242	13.79	cps
Molybdenum	96-1	550	333	333	406	30.85	cps
Molybdenum	97-1	167	200	125	164	22.93	cps
Molybdenum	98-1	433	467	442	447	3.88	cps
Neodymium	150-1	0	20	0	7	173.21	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	547	650	550	582	10.09	cps
Phosphorus	31-2	2842	3000	2850	2898	3.08	cps
Potassium	39-2	322739	320008	324891	322546	0.76	cps
Rhodium	103-1	6600832	6523757	6537372	6553987	0.63	cps
Rhodium	103-2	5456530	5321732	5315065	5364442	1.49	cps
Scandium	45-1	4229804	4118869	4217906	4188859	1.45	cps
Scandium	45-2	636143	635479	630941	634188	0.45	cps
Selenium	82-1	6	-31	23	-1	-3741.53	cps
Selenium	77-2	0	7	10	6	91.64	cps
Selenium	78-2	248	267	246	254	4.44	cps
Silicon	28-1	473653	472095	476072	473940	0.42	cps
Silver	107-1	208	275	192	225	19.60	cps
Silver	109-1	167	92	133	131	28.78	cps
Sodium	23-2	156359	156076	156879	156438	0.26	cps
Strontium	86-1	1400	1300	1325	1342	3.88	cps
Strontium	88-1	1217	1100	975	1097	11.02	cps
Sulfur	34-1	2232670	2224786	2259442	2238966	0.81	cps
Terbium	159-1	8860979	8342264	8367576	8523606	3.43	cps
Terbium	159-2	6446426	6322836	6351602	6373621	1.01	cps
Thallium	203-1	517	500	542	519	4.04	cps
Thallium	205-1	992	1067	1150	1070	7.41	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB22	Instrumnet Name :	P7
Client Sample ID :	CCB22	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:45:56	DataFile Name :	021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	233	172	189	198	15.94	cps
Tin	118-1	608	575	633	606	4.83	cps
Titanium	47-1	617	575	617	603	3.99	cps
Uranium	238-1	-127	-102	-103	-111	-12.55	cps
Vanadium	51-2	37	50	47	44	15.61	cps
Yttrium	89-1	12834401	12709121	12615579	12719701	0.86	cps
Yttrium	89-2	4540482	4385548	4406854	4444295	1.89	cps
Zinc	66-2	847	933	950	910	6.10	cps
Zirconium	90-1	858	767	875	833	7.00	cps
Zirconium	91-1	167	117	133	139	18.33	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:48:52	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6290	6546	6435	6424	2.00	cps
Antimony	121-1	18746	18779	19672	19066	2.76	cps
Arsenic	75-2	1641	1491	1611	1581	5.03	cps
Barium	135-1	17887	17227	17528	17547	1.88	cps
Barium	137-1	29147	29840	29782	29590	1.30	cps
Beryllium	9-1	1837	1947	2110	1965	7.00	cps
Bismuth	209-1	6444082	6420294	6515259	6459878	0.76	cps
Bismuth	209-2	5115236	5060750	5053341	5076442	0.67	cps
Boron	10-1	7335	7585	7385	7435	1.78	cps
Boron	11-1	36360	37429	36719	36836	1.48	cps
Bromine	81-1	883	833	717	811	10.54	cps
Bromine	81-2	70	120	90	93	26.96	cps
Cadmium	111-1	6702	6532	6135	6456	4.50	cps
Cadmium	106-1	6668	6377	6035	6360	4.99	cps
Cadmium	108-1	225	254	258	246	7.39	cps
Calcium	43-1	11580	10854	10904	11113	3.65	cps
Calcium	44-1	248115	252847	252531	251164	1.05	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16389	16502	16522	16471	0.44	cps
Cobalt	59-2	8506	8466	8339	8437	1.03	cps
Copper	63-2	23118	23395	23099	23204	0.71	cps
Dysprosium	156-1	17	8	8	11	43.34	cps
Dysprosium	156-2	7	7	20	11	69.25	cps
Erbium	164-1	58	75	75	69	13.86	cps
Erbium	164-2	53	33	33	40	28.87	cps
Gadolinium	160-1	25	92	58	58	57.14	cps
Gadolinium	160-2	150	183	230	188	21.40	cps
Holmium	165-1	8226199	8210777	8111497	8182824	0.76	cps
Holmium	165-2	6004139	6080639	6143891	6076223	1.15	cps
Indium	115-1	6920824	6754140	6702627	6792530	1.68	cps
Indium	115-2	3145038	3096475	3122468	3121327	0.78	cps
Iron	56-2	268403	267572	266321	267432	0.39	cps
Iron	57-2	8591	8692	8641	8641	0.58	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:48:52	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	19473	18961	18731	19055	1.99	cps
Krypton	83-1	757	780	940	826	12.09	cps
Lead	206-1	7158	7174	7508	7280	2.71	cps
Lead	207-1	6279	6707	6563	6516	3.34	cps
Lead	208-1	28495	29063	29168	28909	1.25	cps
Lithium	6-1	1037283	1052801	1038364	1042816	0.83	cps
Magnesium	24-2	285341	285607	282390	284446	0.63	cps
Manganese	55-2	4494	4587	4541	4541	1.03	cps
Molybdenum	94-1	15392	14724	14616	14911	2.82	cps
Molybdenum	95-1	17619	18087	17619	17775	1.52	cps
Molybdenum	96-1	19380	20465	19597	19814	2.90	cps
Molybdenum	97-1	10354	11680	10696	10910	6.31	cps
Molybdenum	98-1	27610	28295	27977	27961	1.22	cps
Neodymium	150-1	7	27	7	13	86.58	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	2700	2834	2617	2717	4.02	cps
Phosphorus	31-2	3676	3517	3384	3526	4.14	cps
Potassium	39-2	668556	660319	665281	664719	0.62	cps
Rhodium	103-1	6518581	6566953	6431804	6505779	1.05	cps
Rhodium	103-2	5193478	5355050	5330627	5293052	1.65	cps
Scandium	45-1	4088346	4171029	4147639	4135672	1.03	cps
Scandium	45-2	642095	633000	623812	632969	1.44	cps
Selenium	82-1	1126	1061	954	1047	8.30	cps
Selenium	77-2	223	163	160	182	19.56	cps
Selenium	78-2	789	769	844	801	4.91	cps
Silicon	28-1	521949	524749	516207	520968	0.84	cps
Silver	107-1	9578	9228	9470	9426	1.90	cps
Silver	109-1	8828	8536	8578	8647	1.82	cps
Sodium	23-2	624733	617574	612995	618434	0.96	cps
Strontium	86-1	3434	3884	3942	3753	7.41	cps
Strontium	88-1	20456	21575	20081	20704	3.75	cps
Sulfur	34-1	2223358	2223715	2221797	2222956	0.05	cps
Terbium	159-1	8441125	8246596	8293143	8326955	1.22	cps
Terbium	159-2	6177877	6333970	6251314	6254387	1.25	cps
Thallium	203-1	7494	8019	7252	7588	5.17	cps
Thallium	205-1	17478	18046	16920	17481	3.22	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CRI	Instrumnet Name :	P7
Client Sample ID :	CRI	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:48:52	DataFile Name :	022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	22775	22408	22842	22675	1.03	cps
Tin	118-1	29055	28337	29063	28818	1.45	cps
Titanium	47-1	5718	5893	5626	5746	2.36	cps
Uranium	238-1	19680	19557	19186	19475	1.32	cps
Vanadium	51-2	23936	24049	23722	23902	0.70	cps
Yttrium	89-1	12235189	12510252	12220403	12321948	1.32	cps
Yttrium	89-2	4416831	4423466	4435562	4425286	0.21	cps
Zinc	66-2	3720	3504	3410	3545	4.49	cps
Zirconium	90-1	12022	11897	12464	12128	2.46	cps
Zirconium	91-1	2584	2734	2750	2689	3.41	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : PB140772BL Instrumnet Name : P7
 Client Sample ID : PB140772BL Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:51:49 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	472	489	511	491	3.98	cps
Antimony	121-1	192	225	250	222	13.17	cps
Arsenic	75-2	39	24	46	36	31.08	cps
Barium	135-1	92	117	125	111	15.61	cps
Barium	137-1	175	100	125	133	28.64	cps
Beryllium	9-1	77	90	137	101	31.16	cps
Bismuth	209-1	6575260	6515696	6449493	6513483	0.97	cps
Bismuth	209-2	5038668	5177526	5198421	5138205	1.69	cps
Boron	10-1	467	425	325	406	17.95	cps
Boron	11-1	2059	1750	1708	1839	10.40	cps
Bromine	81-1	717	717	975	803	18.58	cps
Bromine	81-2	50	110	140	100	45.83	cps
Cadmium	111-1	4128	4283	4521	4311	4.60	cps
Cadmium	106-1	5951	6118	6443	6171	4.05	cps
Cadmium	108-1	67	29	50	49	38.65	cps
Calcium	43-1	917	1058	958	978	7.45	cps
Calcium	44-1	96255	96105	95014	95791	0.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	5851	5721	5394	5656	4.16	cps
Cobalt	59-2	127	107	167	133	22.91	cps
Copper	63-2	11247	11331	11307	11295	0.38	cps
Dysprosium	156-1	8	8	8	8	0.00	cps
Dysprosium	156-2	7	7	0	4	86.60	cps
Erbium	164-1	100	50	42	64	49.38	cps
Erbium	164-2	23	47	37	36	32.93	cps
Gadolinium	160-1	58	67	42	56	22.91	cps
Gadolinium	160-2	217	180	197	198	9.28	cps
Holmium	165-1	8023712	8197586	8068338	8096545	1.12	cps
Holmium	165-2	6110473	6327257	6293707	6243812	1.87	cps
Indium	115-1	7044568	6844942	6740437	6876649	2.25	cps
Indium	115-2	3128955	3190119	3238547	3185874	1.72	cps
Iron	56-2	18623	17944	17627	18065	2.82	cps
Iron	57-2	2278	2417	2539	2411	5.42	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : PB140772BL Instrumnet Name : P7
 Client Sample ID : PB140772BL Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 18:51:49 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	5176	4846	5056	5026	3.33	cps
Krypton	83-1	703	767	770	747	5.03	cps
Lead	206-1	1195	1450	1206	1283	11.26	cps
Lead	207-1	1061	972	1028	1020	4.40	cps
Lead	208-1	4606	5317	4823	4915	7.42	cps
Lithium	6-1	1045461	1048398	1028283	1040714	1.04	cps
Magnesium	24-2	1311	1100	1245	1219	8.86	cps
Manganese	55-2	427	470	420	439	6.19	cps
Molybdenum	94-1	475	275	375	375	26.67	cps
Molybdenum	95-1	83	150	67	100	44.09	cps
Molybdenum	96-1	333	208	200	247	30.21	cps
Molybdenum	97-1	100	67	67	78	24.74	cps
Molybdenum	98-1	233	175	200	203	14.43	cps
Neodymium	150-1	13	0	0	4	173.21	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	490	633	573	566	12.73	cps
Phosphorus	31-2	2567	2992	2809	2789	7.64	cps
Potassium	39-2	314316	315949	312944	314403	0.48	cps
Rhodium	103-1	6450226	6467666	6566181	6494691	0.96	cps
Rhodium	103-2	5418949	5497498	5530552	5482333	1.05	cps
Scandium	45-1	4074893	4108737	4083834	4089154	0.43	cps
Scandium	45-2	638610	646356	653664	646210	1.16	cps
Selenium	82-1	116	40	40	65	67.88	cps
Selenium	77-2	13	3	0	6	124.93	cps
Selenium	78-2	219	224	254	232	8.15	cps
Silicon	28-1	465371	462657	466751	464926	0.45	cps
Silver	107-1	200	258	242	233	12.88	cps
Silver	109-1	100	150	100	117	24.74	cps
Sodium	23-2	133664	133122	132585	133124	0.41	cps
Strontium	86-1	1467	1267	1158	1297	12.06	cps
Strontium	88-1	833	842	775	817	4.45	cps
Sulfur	34-1	2262802	2267974	2220937	2250571	1.15	cps
Terbium	159-1	8385696	8455377	8390296	8410456	0.46	cps
Terbium	159-2	6223618	6463945	6565209	6417591	2.73	cps
Thallium	203-1	417	317	292	342	19.36	cps
Thallium	205-1	858	883	808	850	4.49	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BL	Instrumnet Name :	P7
Client Sample ID :	PB140772BL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:51:49	DataFile Name :	023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	156	106	89	117	29.74	cps
Tin	118-1	483	592	450	508	14.57	cps
Titanium	47-1	533	617	567	572	7.33	cps
Uranium	238-1	-101	-103	-79	-94	-13.80	cps
Vanadium	51-2	63	40	33	46	34.58	cps
Yttrium	89-1	12245997	12194923	12031039	12157320	0.92	cps
Yttrium	89-2	4522158	4543710	4665486	4577118	1.69	cps
Zinc	66-2	617	637	620	624	1.72	cps
Zirconium	90-1	592	642	667	633	6.03	cps
Zirconium	91-1	58	125	125	103	37.45	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BS	Instrumnet Name :	P7
Client Sample ID :	PB140772BS	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:54:46	DataFile Name :	024LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3070006	3058960	3047392	3058786	0.37	cps
Antimony	121-1	5187513	5131719	5201954	5173729	0.72	cps
Arsenic	75-2	754746	759934	758019	757566	0.35	cps
Barium	135-1	4653100	4588682	4617044	4619609	0.70	cps
Barium	137-1	8019188	7994256	7912400	7975281	0.70	cps
Beryllium	9-1	898983	890903	906152	898679	0.85	cps
Bismuth	209-1	6088655	6029819	6331114	6149863	2.60	cps
Bismuth	209-2	4822890	4872672	4851631	4849064	0.52	cps
Boron	10-1	141398	141534	142627	141853	0.47	cps
Boron	11-1	715549	733673	743042	730754	1.91	cps
Bromine	81-1	817	1083	925	942	14.24	cps
Bromine	81-2	90	130	90	103	22.35	cps
Cadmium	111-1	1107625	1113455	1110793	1110624	0.26	cps
Cadmium	106-1	132822	132956	130534	132104	1.03	cps
Cadmium	108-1	91240	92807	93013	92353	1.05	cps
Calcium	43-1	1013397	1031201	1012238	1018945	1.04	cps
Calcium	44-1	15751626	16001276	16001782	15918228	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2908201	2863217	2833807	2868408	1.31	cps
Cobalt	59-2	4196280	4270102	4220421	4228934	0.89	cps
Copper	63-2	29896657	30890497	30543368	30443508	1.66	cps
Dysprosium	156-1	233	300	325	286	16.56	cps
Dysprosium	156-2	257	317	347	307	14.94	cps
Erbium	164-1	58	100	67	75	29.39	cps
Erbium	164-2	50	40	33	41	20.41	cps
Gadolinium	160-1	167	167	242	192	22.59	cps
Gadolinium	160-2	367	273	297	312	15.56	cps
Holmium	165-1	7897133	7931466	8140816	7989805	1.65	cps
Holmium	165-2	5974706	6041351	5996934	6004330	0.57	cps
Indium	115-1	6227549	6139402	6457506	6274819	2.62	cps
Indium	115-2	2907709	2970660	2993864	2957411	1.51	cps
Iron	56-2	125497625	127041758	126962347	126500577	0.69	cps
Iron	57-2	3174789	3166099	3154576	3165154	0.32	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BS	Instrumnet Name :	P7
Client Sample ID :	PB140772BS	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:54:46	DataFile Name :	024LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	7110242	7076664	7075370	7087425	0.28	cps
Krypton	83-1	823	880	810	838	4.44	cps
Lead	206-1	16521975	16319289	16067249	16302838	1.40	cps
Lead	207-1	14518778	14442882	14557256	14506305	0.40	cps
Lead	208-1	65154242	65277404	65685954	65372534	0.43	cps
Lithium	6-1	1000932	954108	1009584	988208	3.02	cps
Magnesium	24-2	29661360	29237017	29614027	29504135	0.79	cps
Manganese	55-2	19557326	19995247	19768276	19773616	1.11	cps
Molybdenum	94-1	13416573	13529593	13626663	13524276	0.78	cps
Molybdenum	95-1	20046078	20268962	20149982	20155007	0.55	cps
Molybdenum	96-1	21287789	21444558	21490219	21407522	0.50	cps
Molybdenum	97-1	12419243	12425272	12508869	12451128	0.40	cps
Molybdenum	98-1	31844311	31697741	32140255	31894102	0.71	cps
Neodymium	150-1	287	340	213	280	22.71	cps
Neodymium	150-2	63	50	47	53	16.53	cps
Nickel	60-2	1044068	1061353	1049926	1051783	0.84	cps
Phosphorus	31-2	416334	410854	422984	416724	1.46	cps
Potassium	39-2	17731677	17527039	17944450	17734389	1.18	cps
Rhodium	103-1	5938438	5871522	6132469	5980810	2.27	cps
Rhodium	103-2	4973534	5040152	5010554	5008080	0.67	cps
Scandium	45-1	3853710	3961660	4101449	3972273	3.13	cps
Scandium	45-2	603448	615619	617329	612132	1.24	cps
Selenium	82-1	117740	118076	118817	118211	0.47	cps
Selenium	77-2	18208	18255	18331	18265	0.34	cps
Selenium	78-2	61770	61196	61356	61441	0.48	cps
Silicon	28-1	3361293	3402088	3402180	3388520	0.70	cps
Silver	107-1	5053941	5026632	4987509	5022694	0.66	cps
Silver	109-1	4684862	4770111	4731199	4728724	0.90	cps
Sodium	23-2	49848533	50373158	49994442	50072045	0.54	cps
Strontium	86-1	11842101	11736235	11944563	11840966	0.88	cps
Strontium	88-1	102280694	102328273	100620546	101743171	0.96	cps
Sulfur	34-1	2434548	2423159	2401175	2419627	0.70	cps
Terbium	159-1	7953712	8181101	8484237	8206350	3.24	cps
Terbium	159-2	6128494	6062643	6321464	6170867	2.18	cps
Thallium	203-1	3967032	3899809	3822024	3896288	1.86	cps
Thallium	205-1	9367134	9276371	9276288	9306598	0.56	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	PB140772BS	Instrumnet Name :	P7
Client Sample ID :	PB140772BS	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 18:54:46	DataFile Name :	024LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	13851221	13695409	14167379	13904670	1.73	cps
Tin	118-1	3022531	2915854	2970703	2969696	1.80	cps
Titanium	47-1	5719290	5789643	5810182	5773038	0.83	cps
Uranium	238-1	10557994	10401114	10553480	10504196	0.85	cps
Vanadium	51-2	2556613	2534415	2544745	2545257	0.44	cps
Yttrium	89-1	11722817	11627858	11975074	11775250	1.52	cps
Yttrium	89-2	4326583	4337375	4350710	4338223	0.28	cps
Zinc	66-2	7284501	7296543	7252036	7277693	0.32	cps
Zirconium	90-1	6396969	6300247	6209540	6302252	1.49	cps
Zirconium	91-1	1399227	1372172	1366768	1379389	1.26	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL3X10	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL3	Dilution Factor :	10
Date & Time Acquired ::	2021-12-07 19:11:13	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2781071	2675951	2698496	2718506	2.04	cps
Antimony	121-1	176641	187236	184898	182925	3.04	cps
Arsenic	75-2	139129	139488	139412	139343	0.14	cps
Barium	135-1	414810	425406	419395	419870	1.27	cps
Barium	137-1	709025	736451	733470	726315	2.07	cps
Beryllium	9-1	211092	227979	219975	219682	3.85	cps
Bismuth	209-1	6617800	4000150	5636701	5418217	24.41	cps
Bismuth	209-2	4889592	4793461	4780225	4821093	1.24	cps
Boron	10-1	31641	34506	34238	33462	4.73	cps
Boron	11-1	168502	179109	181258	176290	3.87	cps
Bromine	81-1	1567	1775	1683	1675	6.23	cps
Bromine	81-2	450	541	481	491	9.35	cps
Cadmium	111-1	157547	168030	160128	161901	3.37	cps
Cadmium	106-1	20432	18587	19397	19472	4.75	cps
Cadmium	108-1	10233	11121	10617	10657	4.18	cps
Calcium	43-1	131521	135300	134073	133631	1.44	cps
Calcium	44-1	2188212	2226725	2210030	2208322	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	297868	296378	297186	297144	0.25	cps
Cobalt	59-2	483481	480179	469040	477567	1.58	cps
Copper	63-2	957502	958032	957105	957546	0.05	cps
Dysprosium	156-1	26125	28797	27569	27497	4.86	cps
Dysprosium	156-2	19233	18923	19287	19148	1.03	cps
Erbium	164-1	12956	14458	13599	13671	5.51	cps
Erbium	164-2	10190	10217	10097	10168	0.62	cps
Gadolinium	160-1	17854	18713	17570	18045	3.30	cps
Gadolinium	160-2	14217	14408	14297	14307	0.67	cps
Holmium	165-1	8938679	4993210	7291578	7074489	28.01	cps
Holmium	165-2	5989099	6061862	5907872	5986278	1.29	cps
Indium	115-1	7159971	4061117	5866957	5696015	27.33	cps
Indium	115-2	2980623	2986076	2953562	2973421	0.59	cps
Iron	56-2	91402230	89262299	89193063	89952531	1.40	cps
Iron	57-2	2251728	2200274	2191607	2214537	1.47	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL3X10	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL3	Dilution Factor :	10
Date & Time Acquired ::	2021-12-07 19:11:13	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	4972321	4905789	4914880	4930997	0.73	cps
Krypton	83-1	740	750	807	766	4.70	cps
Lead	206-1	433538	466934	456546	452339	3.78	cps
Lead	207-1	374069	396292	387063	385808	2.89	cps
Lead	208-1	1702838	1812093	1780644	1765192	3.19	cps
Lithium	6-1	1097917	675539	942959	905472	23.60	cps
Magnesium	24-2	1821229	1772541	1829575	1807782	1.70	cps
Manganese	55-2	1959477	1915645	1968782	1947968	1.46	cps
Molybdenum	94-1	156318	168558	162867	162581	3.77	cps
Molybdenum	95-1	259583	278974	275294	271283	3.80	cps
Molybdenum	96-1	283114	298245	290341	290567	2.60	cps
Molybdenum	97-1	162340	174990	168100	168477	3.76	cps
Molybdenum	98-1	419161	448766	431977	433302	3.43	cps
Neodymium	150-1	32558	35512	34556	34208	4.41	cps
Neodymium	150-2	23356	23570	23293	23406	0.62	cps
Nickel	60-2	300735	302630	295478	299614	1.24	cps
Phosphorus	31-2	35116	34063	34807	34662	1.56	cps
Potassium	39-2	1741357	1745159	1708711	1731743	1.16	cps
Rhodium	103-1	6873868	3938291	5598223	5470127	26.91	cps
Rhodium	103-2	5186653	5134807	5145019	5155493	0.53	cps
Scandium	45-1	4359027	2418971	3550517	3442838	28.31	cps
Scandium	45-2	619519	612774	619393	617229	0.63	cps
Selenium	82-1	29615	30984	30052	30217	2.31	cps
Selenium	77-2	4817	4918	4664	4800	2.66	cps
Selenium	78-2	16090	15899	16096	16028	0.70	cps
Silicon	28-1	13453169	14278665	14395325	14042387	3.66	cps
Silver	107-1	256808	281721	263952	267494	4.80	cps
Silver	109-1	244137	263955	253120	253737	3.91	cps
Sodium	23-2	3615516	3552485	3597221	3588407	0.90	cps
Strontium	86-1	105537	113882	110910	110109	3.84	cps
Strontium	88-1	918473	976312	950109	948298	3.05	cps
Sulfur	34-1	1785871	1761599	1762750	1770073	0.77	cps
Terbium	159-1	9054401	5233694	7353204	7213766	26.53	cps
Terbium	159-2	6131573	5986783	6100947	6073101	1.26	cps
Thallium	203-1	575904	597548	582496	585316	1.90	cps
Thallium	205-1	1347246	1442843	1391391	1393827	3.43	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL3X10	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL3	Dilution Factor :	10
Date & Time Acquired ::	2021-12-07 19:11:13	DataFile Name :	025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	132235	139442	140301	137326	3.23	cps
Tin	118-1	300424	323220	319268	314304	3.88	cps
Titanium	47-1	204114	214540	211753	210136	2.57	cps
Uranium	238-1	642541	675486	661925	659984	2.51	cps
Vanadium	51-2	423004	416780	420953	420246	0.75	cps
Yttrium	89-1	13048528	7561683	10703600	10437937	26.38	cps
Yttrium	89-2	4397742	4335452	4359888	4364361	0.72	cps
Zinc	66-2	336165	333954	329684	333268	0.99	cps
Zirconium	90-1	23503	28673	23461	25212	11.89	cps
Zirconium	91-1	5184	5743	5710	5546	5.65	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL2X5	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL2	Dilution Factor :	5
Date & Time Acquired ::	2021-12-07 19:14:06	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5124825	5029279	5085470	5079858	0.95	cps
Antimony	121-1	356316	355494	343104	351638	2.11	cps
Arsenic	75-2	267767	266730	267752	267417	0.22	cps
Barium	135-1	824178	807540	793026	808248	1.93	cps
Barium	137-1	1413857	1415565	1406003	1411809	0.36	cps
Beryllium	9-1	419202	409175	406503	411627	1.63	cps
Bismuth	209-1	5672831	5872439	5859015	5801428	1.92	cps
Bismuth	209-2	4507505	4516766	4543697	4522656	0.42	cps
Boron	10-1	65748	65907	64643	65433	1.05	cps
Boron	11-1	328780	334026	336681	333162	1.21	cps
Bromine	81-1	2625	2109	2234	2322	11.61	cps
Bromine	81-2	681	631	440	584	21.71	cps
Cadmium	111-1	309615	310123	311731	310490	0.36	cps
Cadmium	106-1	33991	33915	32863	33590	1.88	cps
Cadmium	108-1	20698	20477	20398	20524	0.76	cps
Calcium	43-1	253736	253030	254648	253805	0.32	cps
Calcium	44-1	4035606	3977231	4083511	4032116	1.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	568313	568569	568064	568315	0.04	cps
Cobalt	59-2	920665	920683	917600	919649	0.19	cps
Copper	63-2	1969205	1935153	1953673	1952677	0.87	cps
Dysprosium	156-1	52357	53001	52843	52733	0.64	cps
Dysprosium	156-2	36571	36982	37363	36972	1.07	cps
Erbium	164-1	25892	25724	25992	25869	0.52	cps
Erbium	164-2	19140	19370	19807	19439	1.74	cps
Gadolinium	160-1	35086	35420	35312	35273	0.48	cps
Gadolinium	160-2	28085	27691	27885	27887	0.71	cps
Holmium	165-1	7214011	7627621	7445379	7429004	2.79	cps
Holmium	165-2	5689314	5698426	5611194	5666311	0.85	cps
Indium	115-1	5874377	6246520	6046874	6055924	3.08	cps
Indium	115-2	2837417	2798133	2844490	2826680	0.88	cps
Iron	56-2	169340920	173163882	170327193	170943998	1.16	cps
Iron	57-2	4282492	4191015	4205187	4226231	1.17	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL2X5	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL2	Dilution Factor :	5
Date & Time Acquired ::	2021-12-07 19:14:06	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	9244935	9694777	9471089	9470267	2.38	cps
Krypton	83-1	837	730	720	762	8.48	cps
Lead	206-1	877181	875273	866913	873122	0.63	cps
Lead	207-1	751046	751229	743235	748503	0.61	cps
Lead	208-1	3614903	3607671	3632893	3618489	0.36	cps
Lithium	6-1	940608	939699	948844	943050	0.53	cps
Magnesium	24-2	3344551	3288241	3346681	3326491	1.00	cps
Manganese	55-2	3580109	3702640	3580418	3621056	1.95	cps
Molybdenum	94-1	312452	309746	309489	310562	0.53	cps
Molybdenum	95-1	522774	517782	515609	518722	0.71	cps
Molybdenum	96-1	559421	557820	552893	556711	0.61	cps
Molybdenum	97-1	328835	323830	324211	325625	0.86	cps
Molybdenum	98-1	846287	819353	843084	836241	1.76	cps
Neodymium	150-1	66101	67173	66181	66485	0.90	cps
Neodymium	150-2	44915	44711	43928	44518	1.17	cps
Nickel	60-2	576299	577451	567669	573806	0.93	cps
Phosphorus	31-2	61917	61968	64687	62858	2.52	cps
Potassium	39-2	2920256	2978490	2877600	2925449	1.73	cps
Rhodium	103-1	5720670	5880558	5898454	5833227	1.68	cps
Rhodium	103-2	5002360	5027818	4881493	4970557	1.57	cps
Scandium	45-1	3598921	3636661	3637432	3624338	0.61	cps
Scandium	45-2	589147	594040	583937	589042	0.86	cps
Selenium	82-1	58704	57889	57478	58024	1.08	cps
Selenium	77-2	9220	9617	9196	9344	2.53	cps
Selenium	78-2	29999	29854	30459	30104	1.05	cps
Silicon	28-1	26086448	25975683	25760693	25940941	0.64	cps
Silver	107-1	522169	521424	516198	519930	0.63	cps
Silver	109-1	494266	493700	488141	492035	0.69	cps
Sodium	23-2	6656437	6574592	6598531	6609853	0.64	cps
Strontium	86-1	211855	212383	202193	208811	2.75	cps
Strontium	88-1	1910615	1867866	1821540	1866674	2.39	cps
Sulfur	34-1	1642776	1594729	1583387	1606964	1.96	cps
Terbium	159-1	7369841	7859151	7787385	7672126	3.44	cps
Terbium	159-2	5796760	5940705	5848998	5862154	1.24	cps
Thallium	203-1	1130584	1137061	1128366	1132004	0.40	cps
Thallium	205-1	2875340	2884153	2818959	2859484	1.24	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DL2X5	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL2	Dilution Factor :	5
Date & Time Acquired ::	2021-12-07 19:14:06	DataFile Name :	026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	263065	264302	264689	264019	0.32	cps
Tin	118-1	613002	617488	605333	611941	1.00	cps
Titanium	47-1	401728	399483	392143	397785	1.26	cps
Uranium	238-1	1307779	1282874	1301026	1297227	0.99	cps
Vanadium	51-2	818646	801352	809170	809723	1.07	cps
Yttrium	89-1	11062064	11267779	11010974	11113606	1.22	cps
Yttrium	89-2	4256941	4258963	4287654	4267853	0.40	cps
Zinc	66-2	630583	633213	640091	634629	0.77	cps
Zirconium	90-1	45680	45530	45889	45700	0.40	cps
Zirconium	91-1	10254	10379	10854	10496	3.02	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOIL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 19:28:32	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	20865142	20631023	20395363	20630509	1.14	cps
Antimony	121-1	1370307	1329432	1296217	1331985	2.79	cps
Arsenic	75-2	1083695	1080440	1063670	1075935	1.00	cps
Barium	135-1	3410019	3154508	3054180	3206236	5.72	cps
Barium	137-1	5690534	5443133	5263508	5465725	3.92	cps
Beryllium	9-1	1905425	1910019	1880655	1898700	0.83	cps
Bismuth	209-1	4863723	4863910	4650878	4792837	2.57	cps
Bismuth	209-2	3911927	3917672	3858503	3896034	0.84	cps
Boron	10-1	295076	292851	285501	291143	1.72	cps
Boron	11-1	1528491	1494954	1461584	1495010	2.24	cps
Bromine	81-1	6335	6627	6527	6496	2.28	cps
Bromine	81-2	2313	2433	2122	2289	6.84	cps
Cadmium	111-1	1170427	1142718	1116397	1143181	2.36	cps
Cadmium	106-1	109571	106298	108118	107996	1.52	cps
Cadmium	108-1	78897	76928	73062	76296	3.89	cps
Calcium	43-1	959505	923089	893762	925452	3.56	cps
Calcium	44-1	15071786	14791538	14059695	14641006	3.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2233105	2253054	2245093	2243750	0.45	cps
Cobalt	59-2	3803837	3721294	3854505	3793212	1.77	cps
Copper	63-2	8235759	8051679	8196265	8161234	1.19	cps
Dysprosium	156-1	202109	195611	193936	197219	2.19	cps
Dysprosium	156-2	148356	146447	144550	146451	1.30	cps
Erbium	164-1	104802	103450	101653	103301	1.53	cps
Erbium	164-2	81524	79941	78319	79928	2.00	cps
Gadolinium	160-1	137307	132275	131280	133620	2.42	cps
Gadolinium	160-2	116020	115433	113510	114988	1.14	cps
Holmium	165-1	6160037	6059460	6058278	6092592	0.96	cps
Holmium	165-2	4937279	4802389	4771450	4837039	1.82	cps
Indium	115-1	4781070	4668719	4536233	4662007	2.63	cps
Indium	115-2	2211940	2200849	2168368	2193719	1.03	cps
Iron	56-2	653094815	647600014	649395526	650030118	0.43	cps
Iron	57-2	16161045	16246869	15824595	16077503	1.39	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOIL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 19:28:32	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	35739341	35348173	35129999	35405838	0.87	cps
Krypton	83-1	760	777	707	748	4.89	cps
Lead	206-1	3858452	3810766	3633483	3767567	3.15	cps
Lead	207-1	3359288	3270545	3229884	3286572	2.01	cps
Lead	208-1	15127181	15133557	14662265	14974334	1.80	cps
Lithium	6-1	1009327	1024856	986838	1007007	1.90	cps
Magnesium	24-2	12918807	12754791	12698756	12790785	0.89	cps
Manganese	55-2	13662523	13622004	13519237	13601255	0.54	cps
Molybdenum	94-1	1196795	1164101	1124595	1161831	3.11	cps
Molybdenum	95-1	2073078	2041372	1924063	2012838	3.90	cps
Molybdenum	96-1	2209334	2162557	2023601	2131831	4.53	cps
Molybdenum	97-1	1241225	1199252	1146275	1195584	3.98	cps
Molybdenum	98-1	3263689	3142852	3008630	3138390	4.07	cps
Neodymium	150-1	255652	253125	247877	252218	1.57	cps
Neodymium	150-2	183459	178660	174527	178882	2.50	cps
Nickel	60-2	2436650	2379630	2435107	2417129	1.34	cps
Phosphorus	31-2	226146	226469	223108	225241	0.82	cps
Potassium	39-2	10142364	10152533	9986642	10093846	0.92	cps
Rhodium	103-1	4412971	4334878	4216274	4321374	2.29	cps
Rhodium	103-2	4119776	4014296	4011120	4048398	1.53	cps
Scandium	45-1	3046083	2987995	2880480	2971519	2.83	cps
Scandium	45-2	499224	492201	487812	493079	1.17	cps
Selenium	82-1	217433	210817	202875	210375	3.46	cps
Selenium	77-2	35726	34935	33665	34775	2.99	cps
Selenium	78-2	114132	113477	111982	113197	0.97	cps
Silicon	28-1	96714817	92124406	89282327	92707183	4.05	cps
Silver	107-1	2022616	1995267	1952182	1990021	1.78	cps
Silver	109-1	1915516	1917352	1806988	1879952	3.36	cps
Sodium	23-2	25802376	25357160	25381036	25513524	0.98	cps
Strontium	86-1	781356	756045	736983	758128	2.94	cps
Strontium	88-1	7003793	6783223	6594456	6793824	3.02	cps
Sulfur	34-1	1183982	842808	820043	948944	21.48	cps
Terbium	159-1	6336824	6256008	6055845	6216226	2.33	cps
Terbium	159-2	4873382	5020050	4934558	4942663	1.49	cps
Thallium	203-1	4854043	4757720	4691152	4767638	1.72	cps
Thallium	205-1	11623123	11274741	11053053	11316972	2.54	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOIL	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 19:28:32	DataFile Name :	028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	1099222	1090264	1053377	1080954	2.25	cps
Tin	118-1	2437263	2351279	2302120	2363554	2.89	cps
Titanium	47-1	1555167	1509926	1455040	1506711	3.33	cps
Uranium	238-1	6108572	6076345	5898807	6027908	1.87	cps
Vanadium	51-2	3281169	3294663	3272187	3282673	0.34	cps
Yttrium	89-1	9679818	9466848	9284054	9476907	2.09	cps
Yttrium	89-2	3821727	3831573	3680992	3778097	2.23	cps
Zinc	66-2	2620290	2580497	2607593	2602793	0.78	cps
Zirconium	90-1	165244	163584	159034	162620	1.98	cps
Zirconium	91-1	39420	39186	37741	38783	2.35	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DLX2	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL	Dilution Factor :	2
Date & Time Acquired ::	2021-12-07 19:36:16	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	9761960	9733348	9613015	9702775	0.81	cps
Antimony	121-1	633329	638330	631940	634533	0.53	cps
Arsenic	75-2	549101	536713	540920	542245	1.16	cps
Barium	135-1	1457394	1522664	1435513	1471857	3.08	cps
Barium	137-1	2599300	2664213	2553699	2605738	2.13	cps
Beryllium	9-1	788534	782999	772042	781192	1.07	cps
Bismuth	209-1	4506797	4537578	4512770	4519048	0.36	cps
Bismuth	209-2	3870470	3812904	3892260	3858545	1.06	cps
Boron	10-1	123833	129060	127505	126799	2.12	cps
Boron	11-1	627154	621817	618881	622617	0.67	cps
Bromine	81-1	3617	3417	3409	3481	3.39	cps
Bromine	81-2	811	1311	991	1038	24.43	cps
Cadmium	111-1	552026	544853	544684	547188	0.77	cps
Cadmium	106-1	55415	53240	52604	53753	2.74	cps
Cadmium	108-1	36546	37093	36333	36657	1.07	cps
Calcium	43-1	446569	454528	443172	448089	1.30	cps
Calcium	44-1	7092965	7100734	6962725	7052141	1.10	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1091537	1103724	1087805	1094355	0.76	cps
Cobalt	59-2	1965117	1894053	1891403	1916858	2.18	cps
Copper	63-2	4059849	4054203	4004111	4039388	0.76	cps
Dysprosium	156-1	95593	97135	93227	95318	2.07	cps
Dysprosium	156-2	75757	73277	74453	74496	1.67	cps
Erbium	164-1	48619	49522	48736	48959	1.00	cps
Erbium	164-2	40546	40716	38938	40066	2.45	cps
Gadolinium	160-1	66717	65689	62348	64918	3.52	cps
Gadolinium	160-2	57879	57786	57039	57568	0.80	cps
Holmium	165-1	5693165	5661978	5754681	5703275	0.83	cps
Holmium	165-2	4817258	4813712	4764358	4798443	0.62	cps
Indium	115-1	4407511	4283399	4324662	4338524	1.46	cps
Indium	115-2	2207820	2209053	2180692	2199188	0.73	cps
Iron	56-2	335306696	326105563	323597229	328336496	1.88	cps
Iron	57-2	8443350	8116209	8069030	8209530	2.48	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DLX2	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL	Dilution Factor :	2
Date & Time Acquired ::	2021-12-07 19:36:16	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	17946649	18199148	17675252	17940349	1.46	cps
Krypton	83-1	677	593	587	619	8.10	cps
Lead	206-1	1677054	1796644	1672363	1715354	4.11	cps
Lead	207-1	1421137	1426028	1412415	1419860	0.49	cps
Lead	208-1	6875007	7058568	6863767	6932447	1.58	cps
Lithium	6-1	753667	752687	748570	751641	0.36	cps
Magnesium	24-2	6457090	6461310	6405340	6441247	0.48	cps
Manganese	55-2	6999953	6933123	6827183	6920086	1.26	cps
Molybdenum	94-1	545528	563974	543988	551163	2.02	cps
Molybdenum	95-1	911994	920617	916726	916446	0.47	cps
Molybdenum	96-1	979671	977358	976687	977905	0.16	cps
Molybdenum	97-1	579058	577736	564108	573634	1.44	cps
Molybdenum	98-1	1539065	1498812	1484409	1507429	1.88	cps
Neodymium	150-1	117895	122031	121285	120403	1.83	cps
Neodymium	150-2	92468	90686	88811	90655	2.02	cps
Nickel	60-2	1159654	1152992	1147247	1153298	0.54	cps
Phosphorus	31-2	112370	114956	113603	113643	1.14	cps
Potassium	39-2	5196823	5095627	5018225	5103558	1.75	cps
Rhodium	103-1	4271014	4146392	4087195	4168201	2.25	cps
Rhodium	103-2	4162902	4079037	4073616	4105185	1.22	cps
Scandium	45-1	2727713	2753106	2659199	2713339	1.79	cps
Scandium	45-2	463688	463356	457136	461393	0.80	cps
Selenium	82-1	101555	99601	99032	100063	1.32	cps
Selenium	77-2	17467	17507	17230	17401	0.86	cps
Selenium	78-2	56920	56370	56083	56458	0.75	cps
Silicon	28-1	45547827	44494302	44324071	44788733	1.48	cps
Silver	107-1	938045	914224	890102	914124	2.62	cps
Silver	109-1	866549	868867	845086	860167	1.52	cps
Sodium	23-2	12982218	13027567	12968247	12992677	0.24	cps
Strontium	86-1	371696	364847	358136	364893	1.86	cps
Strontium	88-1	3252704	3289034	3196633	3246124	1.43	cps
Sulfur	34-1	826572	813436	795029	811679	1.95	cps
Terbium	159-1	5933588	5785701	5651670	5790320	2.44	cps
Terbium	159-2	5019505	4882095	4798087	4899896	2.28	cps
Thallium	203-1	2275653	2280450	2286373	2280825	0.24	cps
Thallium	205-1	5365399	5369939	5464521	5399953	1.04	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	M4386-11DLX2	Instrumnet Name :	P7
Client Sample ID :	PT-MET-SOILDL	Dilution Factor :	2
Date & Time Acquired ::	2021-12-07 19:36:16	DataFile Name :	030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	526047	523442	519524	523004	0.63	cps
Tin	118-1	1094187	1087410	1081747	1087781	0.57	cps
Titanium	47-1	704678	702683	688108	698490	1.30	cps
Uranium	238-1	2978334	2966835	2918819	2954663	1.07	cps
Vanadium	51-2	1651185	1694363	1640220	1661923	1.72	cps
Yttrium	89-1	8375968	8396133	8161857	8311319	1.56	cps
Yttrium	89-2	3479629	3521004	3490698	3497110	0.61	cps
Zinc	66-2	1254605	1258893	1259637	1257712	0.22	cps
Zirconium	90-1	76743	76425	78058	77075	1.12	cps
Zirconium	91-1	18487	18220	18704	18470	1.31	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV23	Instrumnet Name :	P7
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:07:47	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	15781832	15795340	16133437	15903536	1.25	cps
Antimony	121-1	5529664	5547873	5540931	5539489	0.17	cps
Arsenic	75-2	784006	783427	771835	779756	0.88	cps
Barium	135-1	4452461	4511762	4484471	4482898	0.66	cps
Barium	137-1	7874856	7781678	7712161	7789565	1.05	cps
Beryllium	9-1	820995	837612	844622	834410	1.45	cps
Bismuth	209-1	5997519	6024845	6023554	6015306	0.26	cps
Bismuth	209-2	4795584	4799976	4833733	4809764	0.43	cps
Boron	10-1	131605	132438	135059	133034	1.35	cps
Boron	11-1	669673	677064	690042	678926	1.52	cps
Bromine	81-1	1208	1200	1167	1192	1.85	cps
Bromine	81-2	140	130	130	133	4.33	cps
Cadmium	111-1	1211433	1195987	1236722	1214714	1.69	cps
Cadmium	106-1	142757	141392	144213	142787	0.99	cps
Cadmium	108-1	95948	95999	98355	96768	1.42	cps
Calcium	43-1	4720608	4670521	4806854	4732661	1.46	cps
Calcium	44-1	74485431	74717777	75344093	74849100	0.59	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2833671	2851728	2824060	2836486	0.50	cps
Cobalt	59-2	4182260	4194601	4191047	4189303	0.15	cps
Copper	63-2	30879422	30670278	30453571	30667757	0.69	cps
Dysprosium	156-1	817	950	917	894	7.76	cps
Dysprosium	156-2	760	757	710	742	3.77	cps
Erbium	164-1	108	167	167	147	22.87	cps
Erbium	164-2	107	83	93	94	12.40	cps
Gadolinium	160-1	567	717	717	667	12.99	cps
Gadolinium	160-2	747	677	680	701	5.63	cps
Holmium	165-1	8090623	7999673	8121410	8070569	0.78	cps
Holmium	165-2	6167414	6354155	6380538	6300703	1.84	cps
Indium	115-1	6485155	6292821	6279537	6352504	1.81	cps
Indium	115-2	3031121	3023329	2997507	3017319	0.58	cps
Iron	56-2	630510836	638802614	640549192	636620881	0.84	cps
Iron	57-2	15808827	15738446	15705920	15751064	0.33	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV23	Instrumnet Name :	P7
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:07:47	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	34498697	35279615	35072893	34950402	1.16	cps
Krypton	83-1	783	743	757	761	2.68	cps
Lead	206-1	15280072	15314085	15780986	15458381	1.81	cps
Lead	207-1	13504612	13320045	13722145	13515601	1.49	cps
Lead	208-1	61239017	60855012	62424343	61506124	1.33	cps
Lithium	6-1	838541	856803	868242	854529	1.75	cps
Magnesium	24-2	149292376	153394670	150273420	150986822	1.42	cps
Manganese	55-2	19939684	20202158	20231689	20124510	0.80	cps
Molybdenum	94-1	12924306	13303217	13699796	13309106	2.91	cps
Molybdenum	95-1	19204258	19679355	19904145	19595919	1.82	cps
Molybdenum	96-1	21210868	21312439	21563552	21362286	0.85	cps
Molybdenum	97-1	12024631	12234706	12406296	12221878	1.56	cps
Molybdenum	98-1	30626892	31430429	31338726	31132016	1.41	cps
Neodymium	150-1	233	340	273	282	19.09	cps
Neodymium	150-2	63	50	57	57	11.76	cps
Nickel	60-2	1078687	1089806	1070740	1079745	0.89	cps
Phosphorus	31-2	413803	417419	417322	416181	0.50	cps
Potassium	39-2	88614617	89699398	88486544	88933519	0.75	cps
Rhodium	103-1	6086536	6147751	6090747	6108344	0.56	cps
Rhodium	103-2	5231586	5144984	5066557	5147709	1.60	cps
Scandium	45-1	3994424	3953826	4018823	3989024	0.82	cps
Scandium	45-2	631106	640198	629167	633490	0.93	cps
Selenium	82-1	121034	122990	124051	122691	1.25	cps
Selenium	77-2	19406	20064	20114	19861	1.99	cps
Selenium	78-2	65851	66439	65356	65882	0.82	cps
Silicon	28-1	3307276	3299293	3375539	3327370	1.26	cps
Silver	107-1	4800027	4796216	4914981	4837074	1.40	cps
Silver	109-1	4545851	4539426	4478674	4521317	0.82	cps
Sodium	23-2	251402569	256181521	252051833	253211974	1.02	cps
Strontium	86-1	11276824	11329591	11605192	11403869	1.55	cps
Strontium	88-1	96674452	98881583	102086961	99214332	2.74	cps
Sulfur	34-1	2441651	2416863	2407193	2421902	0.73	cps
Terbium	159-1	8064590	8291829	8402257	8252892	2.09	cps
Terbium	159-2	6369552	6401342	6384405	6385100	0.25	cps
Thallium	203-1	3732447	3778671	3769935	3760351	0.65	cps
Thallium	205-1	8790502	8821562	8967448	8859837	1.07	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCV23	Instrumnet Name :	P7
Client Sample ID :	CCV23	Dilution Factor :	1
Date & Time Acquired ::	2021-12-07 20:07:47	DataFile Name :	036CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	12968462	13160386	13254601	13127816	1.11	cps
Tin	118-1	2933477	2861310	2880678	2891822	1.29	cps
Titanium	47-1	5592440	5523706	5677835	5597994	1.38	cps
Uranium	238-1	10057196	9742316	9837694	9879069	1.63	cps
Vanadium	51-2	2531807	2588129	2557712	2559216	1.10	cps
Yttrium	89-1	11656957	12000342	12233933	11963744	2.43	cps
Yttrium	89-2	4475323	4549660	4519485	4514823	0.83	cps
Zinc	66-2	7514518	7408438	7470940	7464632	0.71	cps
Zirconium	90-1	6014403	6191259	6371503	6192388	2.88	cps
Zirconium	91-1	1273226	1329971	1401687	1334961	4.82	cps

LB Number : LB117688 Operator : JASWAL
 Lab Sample ID : CCB23 Instrumnet Name : P7
 Client Sample ID : CCB23 Dilution Factor : 1
 Date & Time Acquired :: 2021-12-07 20:18:26 DataFile Name : 038CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1433	1445	1467	1448	1.17	cps
Antimony	121-1	325	425	592	447	30.12	cps
Arsenic	75-2	74	59	56	63	15.56	cps
Barium	135-1	133	183	133	150	19.24	cps
Barium	137-1	200	250	333	261	25.80	cps
Beryllium	9-1	300	243	330	291	15.12	cps
Bismuth	209-1	5953148	6067364	6093754	6038088	1.24	cps
Bismuth	209-2	4924182	4904639	5001519	4943447	1.04	cps
Boron	10-1	1083	1117	1125	1108	1.99	cps
Boron	11-1	5910	5701	5918	5843	2.10	cps
Bromine	81-1	917	800	983	900	10.31	cps
Bromine	81-2	70	70	120	87	33.31	cps
Cadmium	111-1	3856	3752	3795	3801	1.37	cps
Cadmium	106-1	5493	5351	5434	5426	1.31	cps
Cadmium	108-1	38	50	67	51	28.48	cps
Calcium	43-1	1133	1000	1083	1072	6.28	cps
Calcium	44-1	101656	99978	100985	100873	0.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	6175	6195	5998	6122	1.77	cps
Cobalt	59-2	163	240	220	208	19.14	cps
Copper	63-2	14133	13465	13555	13718	2.64	cps
Dysprosium	156-1	25	0	42	22	94.38	cps
Dysprosium	156-2	0	0	10	3	173.21	cps
Erbium	164-1	50	25	83	53	55.46	cps
Erbium	164-2	40	33	37	37	9.10	cps
Gadolinium	160-1	75	58	67	67	12.49	cps
Gadolinium	160-2	150	170	167	162	6.61	cps
Holmium	165-1	7631986	7818975	7743867	7731609	1.22	cps
Holmium	165-2	6127973	6043467	5990700	6054047	1.14	cps
Indium	115-1	6356355	6570133	6601238	6509242	2.05	cps
Indium	115-2	3156235	3159136	3151236	3155536	0.13	cps
Iron	56-2	22434	22228	21972	22211	1.04	cps
Iron	57-2	2456	2517	2511	2495	1.35	cps

LB Number :	LB117688	Operator :	JASWAL
Lab Sample ID :	CCB23	Instrumnet Name :	P7
Client Sample ID :	CCB23	Dilution Factor :	1
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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Iron	54-2	5376	5457	5517	5450	1.29	cps
Krypton	83-1	790	723	740	751	4.62	cps
Lead	206-1	2100	2411	2039	2184	9.14	cps
Lead	207-1	1995	1939	1889	1941	2.72	cps
Lead	208-1	8618	9240	8184	8681	6.11	cps
Lithium	6-1	872772	943973	951054	922600	4.69	cps
Magnesium	24-2	1961	2167	2228	2119	6.60	cps
Manganese	55-2	840	833	803	826	2.37	cps
Molybdenum	94-1	608	483	467	519	14.91	cps
Molybdenum	95-1	300	225	258	261	14.39	cps
Molybdenum	96-1	383	600	450	478	23.23	cps
Molybdenum	97-1	142	158	150	150	5.56	cps
Molybdenum	98-1	500	408	325	411	21.29	cps
Neodymium	150-1	13	20	13	16	24.76	cps
Neodymium	150-2	3	3	10	6	69.34	cps
Nickel	60-2	883	827	697	802	11.93	cps
Phosphorus	31-2	2717	2500	2634	2617	4.18	cps
Potassium	39-2	365534	364960	357519	362671	1.23	cps
Rhodium	103-1	6115696	6295427	6461086	6290736	2.75	cps
Rhodium	103-2	5430827	5441038	5316995	5396286	1.28	cps
Scandium	45-1	3789764	3889936	3945277	3874992	2.03	cps
Scandium	45-2	636404	629120	632137	632554	0.58	cps
Selenium	82-1	-16	57	60	34	127.67	cps
Selenium	77-2	3	0	3	2	86.60	cps
Selenium	78-2	244	257	281	261	7.20	cps
Silicon	28-1	457188	458651	456648	457496	0.23	cps
Silver	107-1	242	250	175	222	18.50	cps
Silver	109-1	267	651	142	353	75.13	cps
Sodium	23-2	261709	255048	253299	256686	1.73	cps
Strontium	86-1	1442	1342	1350	1378	4.03	cps
Strontium	88-1	1250	1300	1475	1342	8.81	cps
Sulfur	34-1	2070501	2066546	2085633	2074226	0.49	cps
Terbium	159-1	8014981	8181871	8156898	8117917	1.11	cps
Terbium	159-2	6304115	6232124	6220745	6252328	0.72	cps
Thallium	203-1	608	625	600	611	2.08	cps
Thallium	205-1	1600	1550	1475	1542	4.08	cps

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Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Thorium	232-1	194	206	178	193	7.26	cps
Tin	118-1	450	525	608	528	15.01	cps
Titanium	47-1	408	508	542	486	14.27	cps
Uranium	238-1	-126	-153	-129	-136	-10.67	cps
Vanadium	51-2	90	63	67	73	19.81	cps
Yttrium	89-1	11722670	11860732	11722458	11768620	0.68	cps
Yttrium	89-2	4546465	4532054	4444545	4507688	1.22	cps
Zinc	66-2	1130	957	1033	1040	8.35	cps
Zirconium	90-1	600	800	633	678	15.81	cps
Zirconium	91-1	108	167	200	158	29.30	cps